API Reference

Amazon Chime SDK

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Amazon Chime SDK: API Reference

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Welcome to the Amazon Chime SDK API Reference

The Amazon Chime SDK application programming interface (API) is designed for developers to build real-time media applications that can send and receive audio and video and allow content sharing. The Amazon Chime SDK works independently of any Amazon Chime administrator accounts and does not affect meetings hosted on Amazon Chime. Instead, the Amazon Chime SDK provides builder tools that you can use to build your own meeting applications. This API reference provides detailed information about the actions, data types, parameters, and errors included in the Amazon Chime SDK service.

For more information about the Amazon Chime SDK, see Using the Amazon Chime SDK in the *Amazon Chime SDK Developer Guide*. For more information about administering the Amazon Chime SDK, see the Amazon Chime SDK Administrator Guide.

You can use an AWS SDK, the AWS Command Line Interface (AWS CLI), or the REST API to make API calls for the Amazon Chime SDK. We recommend using an AWS SDK or the AWS CLI. The page for each API action contains a *See Also* section that includes links to information about using the action with a language-specific AWS SDK or the AWS CLI.

Using an AWS SDK

You don't need to write code to calculate a signature for request authentication. The SDK clients authenticate your requests by using access keys that you provide. For more information about AWS SDKs, see the AWS Developer Center.

Using the AWS CLI

Use your access keys with the AWS CLI to make API calls. For information about setting up the AWS CLI, see Installing the AWS Command Line Interface in the *AWS Command Line Interface User Guide*. For a list of Amazon Chime commands, see the Amazon Chime commands in the *AWS CLI Command Reference*. For a list of Amazon Chime SDK Identity commands, see the Amazon Chime commands in the *AWS CLI Command Reference*. For a list of Amazon Chime SDK Meetings commands, see the Amazon Chime commands in the *AWS CLI Command Reference*. For a list of Amazon Chime SDK Messaging commands, see the Amazon Chime commands in the *AWS CLI Command Reference*.

Using REST APIs

If you use REST to make API calls, you must authenticate your request by providing a signature. Amazon Chime SDK supports Signature Version 4. For more information, see Signature Version 4 Signing Process in the *AWS General Reference*.

When making REST API calls, use the service name `chime` and REST endpoint `https://service.chime.aws.amazon.com`.

Administrative permissions are controlled using AWS Identity and Access Management (IAM). For more information, see AWS Identity and Access Management for Amazon Chime in the *Amazon Chime SDK Administration Guide*.

Amazon Chime SDK Identity

The Amazon Chime SDK Identity APIs in this section let software developers to create and manage unique instances of their messaging applications. These APIs provide the overarching framework for creating and sending messages. For more information about the identity APIs, refer to Amazon Chime SDK Identity.

Amazon Chime SDK Media Pipelines

The Amazon Chime SDK Media Pipeline APIs in this section let software developers to create Amazon Chime SDK media pipelines and capture audio, video, events, and data messages from Amazon Chime SDK meetings. For more information about media pipelines APIs, see Amazon Chime SDK Media Pipelines.

Amazon Chime SDK Meetings

The Amazon Chime SDK Meetings APIs in this section let software developers to create Amazon Chime SDK meetings, set the AWS Regions for meetings, create and manage users, and send and receive meeting notifications. For more information about the meeting APIs, see Amazon Chime SDK Meetings.

Amazon Chime SDK Messaging

The Amazon Chime SDK Messaging APIs in this section let software developers send and receive messages in custom messaging applications. These APIs depend on the frameworks provided by

the Amazon Chime SDK Identity APIs. For more information about the messaging APIs, see Amazon Chime SDK Messaging.

Amazon Chime SDK Voice

The Amazon Chime SDK Voice APIs enable software developers to add telephony capabilties to their custom communication solutions. You use these APIs with SIP infrastructure and Amazon Chime SDK Voice Connectors. For more information, see Amazon Chime SDK Voice.

Actions

The following actions are supported by Amazon Chime SDK Identity:

- CreateAppInstance
- CreateAppInstanceAdmin
- CreateAppInstanceBot
- CreateAppInstanceUser
- DeleteAppInstance
- DeleteAppInstanceAdmin
- DeleteAppInstanceBot
- DeleteAppInstanceUser
- DeregisterAppInstanceUserEndpoint
- DescribeAppInstance
- DescribeAppInstanceAdmin
- DescribeAppInstanceBot
- DescribeAppInstanceUser
- DescribeAppInstanceUserEndpoint
- GetAppInstanceRetentionSettings
- ListAppInstanceAdmins
- ListAppInstanceBots
- ListAppInstances
- ListAppInstanceUserEndpoints
- ListAppInstanceUsers
- ListTagsForResource
- PutAppInstanceRetentionSettings
- PutAppInstanceUserExpirationSettings
- RegisterAppInstanceUserEndpoint
- TagResource
- UntagResource
- UpdateAppInstance

- UpdateAppInstanceBot
- UpdateAppInstanceUser
- UpdateAppInstanceUserEndpoint

The following actions are supported by Amazon Chime SDK Media Pipelines:

- CreateMediaCapturePipeline
- CreateMediaConcatenationPipeline
- CreateMediaInsightsPipeline
- CreateMediaInsightsPipelineConfiguration
- CreateMediaLiveConnectorPipeline
- CreateMediaPipelineKinesisVideoStreamPool
- CreateMediaStreamPipeline
- DeleteMediaCapturePipeline
- DeleteMediaInsightsPipelineConfiguration
- DeleteMediaPipeline
- DeleteMediaPipelineKinesisVideoStreamPool
- GetMediaCapturePipeline
- GetMediaInsightsPipelineConfiguration
- GetMediaPipeline
- GetMediaPipelineKinesisVideoStreamPool
- GetSpeakerSearchTask
- GetVoiceToneAnalysisTask
- ListMediaCapturePipelines
- ListMediaInsightsPipelineConfigurations
- ListMediaPipelineKinesisVideoStreamPools
- ListMediaPipelines
- ListTagsForResource
- StartSpeakerSearchTask
- StartVoiceToneAnalysisTask
- StopSpeakerSearchTask

- StopVoiceToneAnalysisTask
- TagResource
- UntagResource
- UpdateMediaInsightsPipelineConfiguration
- UpdateMediaInsightsPipelineStatus
- UpdateMediaPipelineKinesisVideoStreamPool

The following actions are supported by Amazon Chime SDK Meetings:

- BatchCreateAttendee
- BatchUpdateAttendeeCapabilitiesExcept
- CreateAttendee
- CreateMeeting
- CreateMeetingWithAttendees
- DeleteAttendee
- DeleteMeeting
- GetAttendee
- GetMeeting
- ListAttendees
- ListTagsForResource
- StartMeetingTranscription
- StopMeetingTranscription
- TagResource
- UntagResource
- UpdateAttendeeCapabilities

The following actions are supported by Amazon Chime SDK Messaging:

- AssociateChannelFlow
- BatchCreateChannelMembership
- ChannelFlowCallback
- CreateChannel

- CreateChannelBan
- CreateChannelFlow
- CreateChannelMembership
- CreateChannelModerator
- DeleteChannel
- DeleteChannelBan
- DeleteChannelFlow
- DeleteChannelMembership
- DeleteChannelMessage
- DeleteChannelModerator
- DeleteMessagingStreamingConfigurations
- DescribeChannel
- DescribeChannelBan
- DescribeChannelFlow
- DescribeChannelMembership
- DescribeChannelMembershipForAppInstanceUser
- DescribeChannelModeratedByAppInstanceUser
- DescribeChannelModerator
- DisassociateChannelFlow
- GetChannelMembershipPreferences
- GetChannelMessage
- GetChannelMessageStatus
- GetMessagingSessionEndpoint
- GetMessagingStreamingConfigurations
- ListChannelBans
- ListChannelFlows
- ListChannelMemberships
- ListChannelMembershipsForAppInstanceUser
- ListChannelMessages
- ListChannelModerators

- ListChannels
- ListChannelsAssociatedWithChannelFlow
- ListChannelsModeratedByAppInstanceUser
- ListSubChannels
- ListTagsForResource
- PutChannelExpirationSettings
- PutChannelMembershipPreferences
- PutMessagingStreamingConfigurations
- RedactChannelMessage
- SearchChannels
- SendChannelMessage
- TagResource
- UntagResource
- UpdateChannel
- UpdateChannelFlow
- UpdateChannelMessage
- UpdateChannelReadMarker

The following actions are supported by Amazon Chime SDK Voice:

- AssociatePhoneNumbersWithVoiceConnector
- AssociatePhoneNumbersWithVoiceConnectorGroup
- BatchDeletePhoneNumber
- BatchUpdatePhoneNumber
- CreatePhoneNumberOrder
- CreateProxySession
- CreateSipMediaApplication
- CreateSipMediaApplicationCall
- CreateSipRule
- CreateVoiceConnector
- CreateVoiceConnectorGroup

- CreateVoiceProfile
- CreateVoiceProfileDomain
- DeletePhoneNumber
- DeleteProxySession
- DeleteSipMediaApplication
- DeleteSipRule
- DeleteVoiceConnector
- DeleteVoiceConnectorEmergencyCallingConfiguration
- DeleteVoiceConnectorExternalSystemsConfiguration
- DeleteVoiceConnectorGroup
- DeleteVoiceConnectorOrigination
- DeleteVoiceConnectorProxy
- DeleteVoiceConnectorStreamingConfiguration
- DeleteVoiceConnectorTermination
- DeleteVoiceConnectorTerminationCredentials
- DeleteVoiceProfile
- DeleteVoiceProfileDomain
- DisassociatePhoneNumbersFromVoiceConnector
- DisassociatePhoneNumbersFromVoiceConnectorGroup
- GetGlobalSettings
- GetPhoneNumber
- GetPhoneNumberOrder
- GetPhoneNumberSettings
- GetProxySession
- GetSipMediaApplication
- GetSipMediaApplicationAlexaSkillConfiguration
- GetSipMediaApplicationLoggingConfiguration
- GetSipRule
- GetSpeakerSearchTask
- GetVoiceConnector

- GetVoiceConnectorEmergencyCallingConfiguration
- GetVoiceConnectorExternalSystemsConfiguration
- GetVoiceConnectorGroup
- GetVoiceConnectorLoggingConfiguration
- GetVoiceConnectorOrigination
- GetVoiceConnectorProxy
- GetVoiceConnectorStreamingConfiguration
- GetVoiceConnectorTermination
- GetVoiceConnectorTerminationHealth
- GetVoiceProfile
- GetVoiceProfileDomain
- GetVoiceToneAnalysisTask
- ListAvailableVoiceConnectorRegions
- ListPhoneNumberOrders
- ListPhoneNumbers
- ListProxySessions
- ListSipMediaApplications
- ListSipRules
- ListSupportedPhoneNumberCountries
- ListTagsForResource
- ListVoiceConnectorGroups
- ListVoiceConnectors
- ListVoiceConnectorTerminationCredentials
- ListVoiceProfileDomains
- ListVoiceProfiles
- PutSipMediaApplicationAlexaSkillConfiguration
- PutSipMediaApplicationLoggingConfiguration
- PutVoiceConnectorEmergencyCallingConfiguration
- PutVoiceConnectorExternalSystemsConfiguration
- PutVoiceConnectorLoggingConfiguration

- PutVoiceConnectorOrigination
- PutVoiceConnectorProxy
- PutVoiceConnectorStreamingConfiguration
- PutVoiceConnectorTermination
- PutVoiceConnectorTerminationCredentials
- RestorePhoneNumber
- SearchAvailablePhoneNumbers
- StartSpeakerSearchTask
- StartVoiceToneAnalysisTask
- StopSpeakerSearchTask
- StopVoiceToneAnalysisTask
- TagResource
- UntagResource
- UpdateGlobalSettings
- UpdatePhoneNumber
- UpdatePhoneNumberSettings
- UpdateProxySession
- UpdateSipMediaApplication
- UpdateSipMediaApplicationCall
- UpdateSipRule
- UpdateVoiceConnector
- UpdateVoiceConnectorGroup
- UpdateVoiceProfile
- UpdateVoiceProfileDomain
- ValidateE911Address

Amazon Chime SDK Identity

The following actions are supported by Amazon Chime SDK Identity:

- CreateAppInstance

- CreateAppInstanceAdmin
- CreateAppInstanceBot
- CreateAppInstanceUser
- DeleteAppInstance
- DeleteAppInstanceAdmin
- DeleteAppInstanceBot
- DeleteAppInstanceUser
- DeregisterAppInstanceUserEndpoint
- DescribeAppInstance
- DescribeAppInstanceAdmin
- DescribeAppInstanceBot
- DescribeAppInstanceUser
- DescribeAppInstanceUserEndpoint
- GetAppInstanceRetentionSettings
- ListAppInstanceAdmins
- ListAppInstanceBots
- ListAppInstances
- ListAppInstanceUserEndpoints
- ListAppInstanceUsers
- ListTagsForResource
- PutAppInstanceRetentionSettings
- PutAppInstanceUserExpirationSettings
- RegisterAppInstanceUserEndpoint
- TagResource
- UntagResource
- UpdateAppInstance
- UpdateAppInstanceBot
- UpdateAppInstanceUser
- UpdateAppInstanceUserEndpoint

CreateAppInstance

Service: Amazon Chime SDK Identity

Creates an Amazon Chime SDK messaging `AppInstance` under an AWS account. Only SDK messaging customers use this API. `CreateAppInstance` supports idempotency behavior as described in the AWS API Standard.

identity

Request Syntax

```
POST /app-instances HTTP/1.1
Content-type: application/json

{
   "ClientRequestToken": "string",
   "Metadata": "string",
   "Name": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientRequestToken

The unique ID of the request. Use different tokens to create different `AppInstances`.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

Metadata

The metadata of the `AppInstance`. Limited to a 1KB string in UTF-8.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Name

The name of the `AppInstance`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: Yes

Tags

Tags assigned to the `AppInstance`.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
```

```
    "AppInstanceArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

AppInstanceArn

The Amazon Resource Number (ARN) of the `AppInstance`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateAppInstanceAdmin

Service: Amazon Chime SDK Identity

Promotes an `AppInstanceUser` or `AppInstanceBot` to an `AppInstanceAdmin`. The promoted entity can perform the following actions.

- `ChannelModerator` actions across all channels in the `AppInstance`.
- `DeleteChannelMessage` actions.

Only an `AppInstanceUser` and `AppInstanceBot` can be promoted to an `AppInstanceAdmin` role.

Request Syntax

```
POST /app-instances/appInstanceArn/admins HTTP/1.1
Content-type: application/json

{
   "AppInstanceAdminArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceArn

The ARN of the `AppInstance`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AppInstanceAdminArn

The ARN of an existing instance user or bot, to be promoted to the administrator of the current AppInstance.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "AppInstanceAdmin": {
      "Arn": "string",
      "Name": "string"
   },
   "AppInstanceArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

AppInstanceAdmin

The ARN and name of the administrator, the ARN of the `AppInstance`, and the created and last-updated timestamps. All timestamps use epoch milliseconds.

Type: Identity object

AppInstanceArn

The ARN of the of the admin for the `AppInstance`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateAppInstanceBot

Service: Amazon Chime SDK Identity

Creates a bot under an Amazon Chime `AppInstance`. The request consists of a unique `Configuration` and `Name` for that bot.

Request Syntax

```
POST /app-instance-bots HTTP/1.1
Content-type: application/json

{
   "AppInstanceArn": "string",
   "ClientRequestToken": "string",
   "Configuration": {
      "Lex": {
         "InvokedBy": {
            "StandardMessages": "string",
            "TargetedMessages": "string"
         },
         "LexBotAliasArn": "string",
         "LocaleId": "string",
         "RespondsTo": "string",
         "WelcomeIntent": "string"
      }
   },
   "Metadata": "string",
   "Name": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AppInstanceArn

The ARN of the `AppInstance` request.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ClientRequestToken

The unique ID for the client making the request. Use different tokens for different `AppInstanceBots`.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

Configuration

Configuration information about the Amazon Lex V2 bot.

Type: Configuration object

Required: Yes

Metadata

The request metadata. Limited to a 1KB string in UTF-8.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Name

The user's name.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

Tags

The tags assigned to the `AppInstanceBot`.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "AppInstanceBotArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

AppInstanceBotArn

The ARN of the `AppinstanceBot`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateAppInstanceUser

Service: Amazon Chime SDK Identity

Creates a user under an Amazon Chime `AppInstance`. The request consists of a unique `appInstanceUserId` and `Name` for that user.

Request Syntax

```
POST /app-instance-users HTTP/1.1
Content-type: application/json

{
   "AppInstanceArn": "string",
   "AppInstanceUserId": "string",
   "ClientRequestToken": "string",
   "ExpirationSettings": {
      "ExpirationCriterion": "string",
      "ExpirationDays": number
   },
   "Metadata": "string",
   "Name": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AppInstanceArn

The ARN of the `AppInstance` request.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

AppInstanceUserId

The user ID of the `AppInstance`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[A-Za-z0-9]([A-Za-z0-9\:\-\_\.\@]{0,62}[A-Za-z0-9])?`

Required: Yes

ClientRequestToken

The unique ID of the request. Use different tokens to request additional `AppInstances`.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

ExpirationSettings

Settings that control the interval after which the `AppInstanceUser` is automatically deleted.

Type: ExpirationSettings object

Required: No

Metadata

The request's metadata. Limited to a 1KB string in UTF-8.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Name

The user's name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `.*\S.*`

Required: Yes

Tags

Tags assigned to the `AppInstanceUser`.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "AppInstanceUserArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

AppInstanceUserArn

The user's ARN.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteAppInstance

Service: Amazon Chime SDK Identity

Deletes an `AppInstance` and all associated data asynchronously.

Request Syntax

```
DELETE /app-instances/appInstanceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceArn

The ARN of the `AppInstance`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteAppInstanceAdmin

Service: Amazon Chime SDK Identity

Demotes an `AppInstanceAdmin` to an `AppInstanceUser` or `AppInstanceBot`. This action does not delete the user.

Request Syntax

```
DELETE /app-instances/appInstanceArn/admins/appInstanceAdminArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceAdminArn

The ARN of the `AppInstance`'s administrator.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

appInstanceArn

The ARN of the `AppInstance`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteAppInstanceBot

Service: Amazon Chime SDK Identity

Deletes an `AppInstanceBot`.

Request Syntax

```
DELETE /app-instance-bots/appInstanceBotArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceBotArn

The ARN of the `AppInstanceBot` being deleted.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteAppInstanceUser

Service: Amazon Chime SDK Identity

Deletes an `AppInstanceUser`.

Request Syntax

```
DELETE /app-instance-users/appInstanceUserArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceUserArn

The ARN of the user request being deleted.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeregisterAppInstanceUserEndpoint

Service: Amazon Chime SDK Identity

Deregisters an `AppInstanceUserEndpoint`.

Request Syntax

```
DELETE /app-instance-users/appInstanceUserArn/endpoints/endpointId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceUserArn

The ARN of the `AppInstanceUser`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

endpointId

The unique identifier of the `AppInstanceUserEndpoint`.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeAppInstance

Service: Amazon Chime SDK Identity

Returns the full details of an `AppInstance`.

Request Syntax

```
GET /app-instances/appInstanceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceArn

The ARN of the `AppInstance`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstance": {
      "AppInstanceArn": "string",
      "CreatedTimestamp": number,
      "LastUpdatedTimestamp": number,
      "Metadata": "string",
      "Name": "string"
```

```
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstance

The ARN, metadata, created and last-updated timestamps, and the name of the `AppInstance`. All timestamps use epoch milliseconds.

Type: AppInstance object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeAppInstanceAdmin

Service: Amazon Chime SDK Identity

Returns the full details of an `AppInstanceAdmin`.

Request Syntax

```
GET /app-instances/appInstanceArn/admins/appInstanceAdminArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceAdminArn

The ARN of the `AppInstanceAdmin`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

appInstanceArn

The ARN of the `AppInstance`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "AppInstanceAdmin": {
      "Admin": {
         "Arn": "string",
         "Name": "string"
      },
      "AppInstanceArn": "string",
      "CreatedTimestamp": number
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceAdmin

The ARN and name of the `AppInstanceUser`, the ARN of the `AppInstance`, and the created and last-updated timestamps. All timestamps use epoch milliseconds.

Type: AppInstanceAdmin object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeAppInstanceBot

Service: Amazon Chime SDK Identity

The `AppInstanceBot's` information.

Request Syntax

```
GET /app-instance-bots/appInstanceBotArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceBotArn

The ARN of the `AppInstanceBot`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstanceBot": {
      "AppInstanceBotArn": "string",
      "Configuration": {
         "Lex": {
            "InvokedBy": {
               "StandardMessages": "string",
```

```
                "TargetedMessages": "string"
            },
            "LexBotAliasArn": "string",
            "LocaleId": "string",
            "RespondsTo": "string",
            "WelcomeIntent": "string"
        }
    },
    "CreatedTimestamp": number,
    "LastUpdatedTimestamp": number,
    "Metadata": "string",
    "Name": "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceBot

The details of the `AppInstanceBot`.

Type: AppInstanceBot object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeAppInstanceUser

Service: Amazon Chime SDK Identity

Returns the full details of an `AppInstanceUser`.

Request Syntax

```
GET /app-instance-users/appInstanceUserArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceUserArn

The ARN of the `AppInstanceUser`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstanceUser": {
      "AppInstanceUserArn": "string",
      "CreatedTimestamp": number,
      "ExpirationSettings": {
         "ExpirationCriterion": "string",
         "ExpirationDays": number
      },
```

```
        "LastUpdatedTimestamp": number,
        "Metadata": "string",
        "Name": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceUser

The name of the `AppInstanceUser`.

Type: AppInstanceUser object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeAppInstanceUserEndpoint

Service: Amazon Chime SDK Identity

Returns the full details of an `AppInstanceUserEndpoint`.

Request Syntax

```
GET /app-instance-users/appInstanceUserArn/endpoints/endpointId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceUserArn

The ARN of the `AppInstanceUser`.

Length Constraints: Minimum length of 0. Maximum length of 1600.

Pattern: `.*`

Required: Yes

endpointId

The unique identifier of the `AppInstanceUserEndpoint`.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "AppInstanceUserEndpoint": {
      "AllowMessages": "string",
      "AppInstanceUserArn": "string",
      "CreatedTimestamp": number,
      "EndpointAttributes": {
         "DeviceToken": "string",
         "VoipDeviceToken": "string"
      },
      "EndpointId": "string",
      "EndpointState": {
         "Status": "string",
         "StatusReason": "string"
      },
      "LastUpdatedTimestamp": number,
      "Name": "string",
      "ResourceArn": "string",
      "Type": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceUserEndpoint

The full details of an `AppInstanceUserEndpoint`: the `AppInstanceUserArn`, ID, name, type, resource ARN, attributes, allow messages, state, and created and last updated timestamps. All timestamps use epoch milliseconds.

Type: AppInstanceUserEndpoint object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetAppInstanceRetentionSettings

Service: Amazon Chime SDK Identity

Gets the retention settings for an `AppInstance`.

Request Syntax

```
GET /app-instances/appInstanceArn/retention-settings HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceArn

The ARN of the `AppInstance`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstanceRetentionSettings": {
      "ChannelRetentionSettings": {
         "RetentionDays": number
      }
   },
   "InitiateDeletionTimestamp": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceRetentionSettings

The retention settings for the `AppInstance`.

Type: AppInstanceRetentionSettings object

InitiateDeletionTimestamp

The timestamp representing the time at which the specified items are retained, in Epoch Seconds.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListAppInstanceAdmins

Service: Amazon Chime SDK Identity

Returns a list of the administrators in the `AppInstance`.

Request Syntax

```
GET /app-instances/appInstanceArn/admins?max-results=MaxResults&next-token=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceArn

The ARN of the `AppInstance`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of administrators that you want to return.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token returned from previous API requests until the number of administrators is reached.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstanceAdmins": [
      {
         "Admin": {
            "Arn": "string",
            "Name": "string"
         }
      }
   ],
   "AppInstanceArn": "string",
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceAdmins

The information for each administrator.

Type: Array of AppInstanceAdminSummary objects

AppInstanceArn

The ARN of the `AppInstance`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

NextToken

The token returned from previous API requests until the number of administrators is reached.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListAppInstanceBots

Service: Amazon Chime SDK Identity

Lists all `AppInstanceBots` created under a single `AppInstance`.

Request Syntax

```
GET /app-instance-bots?app-instance-arn=AppInstanceArn&max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AppInstanceArn

The ARN of the `AppInstance`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of requests to return.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token passed by previous API calls until all requested bots are returned.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstanceArn": "string",
   "AppInstanceBots": [
      {
         "AppInstanceBotArn": "string",
         "Metadata": "string",
         "Name": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceArn

The ARN of the AppInstance.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

AppInstanceBots

The information for each requested `AppInstanceBot`.

Type: Array of AppInstanceBotSummary objects

NextToken

The token passed by previous API calls until all requested bots are returned.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListAppInstances

Service: Amazon Chime SDK Identity

Lists all Amazon Chime `AppInstances` created under a single AWS account.

Request Syntax

```
GET /app-instances?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of `AppInstances` that you want to return.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token passed by previous API requests until you reach the maximum number of `AppInstances`.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstances": [
      {
         "AppInstanceArn": "string",
```

```
            "Metadata": "string",
            "Name": "string"
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstances

The information for each `AppInstance`.

Type: Array of AppInstanceSummary objects

NextToken

The token passed by previous API requests until the maximum number of `AppInstances` is reached.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListAppInstanceUserEndpoints

Service: Amazon Chime SDK Identity

Lists all the `AppInstanceUserEndpoints` created under a single `AppInstanceUser`.

Request Syntax

```
GET /app-instance-users/appInstanceUserArn/endpoints?max-results=MaxResults&next-
token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceUserArn

The ARN of the `AppInstanceUser`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of endpoints that you want to return.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token passed by previous API calls until all requested endpoints are returned.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstanceUserEndpoints": [
      {
         "AllowMessages": "string",
         "AppInstanceUserArn": "string",
         "EndpointId": "string",
         "EndpointState": {
            "Status": "string",
            "StatusReason": "string"
         },
         "Name": "string",
         "Type": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceUserEndpoints

The information for each requested `AppInstanceUserEndpoint`.

Type: Array of AppInstanceUserEndpointSummary objects

NextToken

The token passed by previous API calls until all requested endpoints are returned.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListAppInstanceUsers

Service: Amazon Chime SDK Identity

List all `AppInstanceUsers` created under a single `AppInstance`.

Request Syntax

```
GET /app-instance-users?app-instance-arn=AppInstanceArn&max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AppInstanceArn

The ARN of the `AppInstance`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of requests that you want returned.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token passed by previous API calls until all requested users are returned.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstanceArn": "string",
   "AppInstanceUsers": [
      {
         "AppInstanceUserArn": "string",
         "Metadata": "string",
         "Name": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceArn

The ARN of the `AppInstance`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

AppInstanceUsers

The information for each requested `AppInstanceUser`.

Type: Array of AppInstanceUserSummary objects

NextToken

The token passed by previous API calls until all requested users are returned.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListTagsForResource

Service: Amazon Chime SDK Identity

Lists the tags applied to an Amazon Chime SDK identity resource.

Request Syntax

```
GET /tags?arn=ResourceARN HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceARN

The ARN of the resource.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Tags

The tag key-value pairs.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutAppInstanceRetentionSettings

Service: Amazon Chime SDK Identity

Sets the amount of time in days that a given `AppInstance` retains data.

Request Syntax

```
PUT /app-instances/appInstanceArn/retention-settings HTTP/1.1
Content-type: application/json

{
   "AppInstanceRetentionSettings": {
      "ChannelRetentionSettings": {
         "RetentionDays": number
      }
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceArn

The ARN of the `AppInstance`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AppInstanceRetentionSettings

The time in days to retain data. Data type: number.

Type: AppInstanceRetentionSettings object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstanceRetentionSettings": {
      "ChannelRetentionSettings": {
         "RetentionDays": number
      }
   },
   "InitiateDeletionTimestamp": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceRetentionSettings

The time in days to retain data. Data type: number.

Type: AppInstanceRetentionSettings object

InitiateDeletionTimestamp

The time at which the API deletes data.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutAppInstanceUserExpirationSettings

Service: Amazon Chime SDK Identity

Sets the number of days before the `AppInstanceUser` is automatically deleted.

> **Note**
>
> A background process deletes expired `AppInstanceUsers` within 6 hours of expiration. Actual deletion times may vary.
> Expired `AppInstanceUsers` that have not yet been deleted appear as active, and you can update their expiration settings. The system honors the new settings.

Request Syntax

```
PUT /app-instance-users/appInstanceUserArn/expiration-settings HTTP/1.1
Content-type: application/json

{
   "ExpirationSettings": {
      "ExpirationCriterion": "string",
      "ExpirationDays": number
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceUserArn

The ARN of the `AppInstanceUser`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ExpirationSettings

Settings that control the interval after which an `AppInstanceUser` is automatically deleted.

Type: ExpirationSettings object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstanceUserArn": "string",
   "ExpirationSettings": {
      "ExpirationCriterion": "string",
      "ExpirationDays": number
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceUserArn

The ARN of the `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

ExpirationSettings

Settings that control the interval after which an `AppInstanceUser` is automatically deleted.

Type: ExpirationSettings object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

RegisterAppInstanceUserEndpoint

Service: Amazon Chime SDK Identity

Registers an endpoint under an Amazon Chime `AppInstanceUser`. The endpoint receives messages for a user. For push notifications, the endpoint is a mobile device used to receive mobile push notifications for a user.

Request Syntax

```
POST /app-instance-users/appInstanceUserArn/endpoints HTTP/1.1
Content-type: application/json

{
   "AllowMessages": "string",
   "ClientRequestToken": "string",
   "EndpointAttributes": {
      "DeviceToken": "string",
      "VoipDeviceToken": "string"
   },
   "Name": "string",
   "ResourceArn": "string",
   "Type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceUserArn

The ARN of the `AppInstanceUser`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AllowMessages

Boolean that controls whether the AppInstanceUserEndpoint is opted in to receive messages. `ALL` indicates the endpoint receives all messages. `NONE` indicates the endpoint receives no messages.

Type: String

Valid Values: `ALL | NONE`

Required: No

ClientRequestToken

The unique ID assigned to the request. Use different tokens to register other endpoints.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

EndpointAttributes

The attributes of an `Endpoint`.

Type: EndpointAttributes object

Required: Yes

Name

The name of the `AppInstanceUserEndpoint`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1600.

Pattern: `.*`

Required: No

ResourceArn

The ARN of the resource to which the endpoint belongs.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Type

The type of the `AppInstanceUserEndpoint`. Supported types:

- `APNS`: The mobile notification service for an Apple device.
- `APNS_SANDBOX`: The sandbox environment of the mobile notification service for an Apple device.
- `GCM`: The mobile notification service for an Android device.

Populate the `ResourceArn` value of each type as `PinpointAppArn`.

Type: String

Valid Values: `APNS | APNS_SANDBOX | GCM`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "AppInstanceUserArn": "string",
   "EndpointId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

AppInstanceUserArn

The ARN of the `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

EndpointId

The unique identifier of the `AppInstanceUserEndpoint`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

Service: Amazon Chime SDK Identity

Applies the specified tags to the specified Amazon Chime SDK identity resource.

Request Syntax

```
POST /tags?operation=tag-resource HTTP/1.1
Content-type: application/json

{
   "ResourceARN": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ResourceARN

The resource ARN.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Tags

The tag key-value pairs.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UntagResource

Service: Amazon Chime SDK Identity

Removes the specified tags from the specified Amazon Chime SDK identity resource.

Request Syntax

```
POST /tags?operation=untag-resource HTTP/1.1
Content-type: application/json

{
   "ResourceARN": "string",
   "TagKeys": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ResourceARN

The resource ARN.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

TagKeys

The tag keys.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateAppInstance

Service: Amazon Chime SDK Identity

Updates `AppInstance` metadata.

Request Syntax

```
PUT /app-instances/appInstanceArn HTTP/1.1
Content-type: application/json

{
   "Metadata": "string",
   "Name": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceArn

The ARN of the `AppInstance`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Metadata

The metadata that you want to change.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: Yes

Name

The name that you want to change.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstanceArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceArn

The ARN of the `AppInstance`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateAppInstanceBot

Service: Amazon Chime SDK Identity

Updates the name and metadata of an `AppInstanceBot`.

Request Syntax

```
PUT /app-instance-bots/appInstanceBotArn HTTP/1.1
Content-type: application/json

{
   "Configuration": {
      "Lex": {
         "InvokedBy": {
            "StandardMessages": "string",
            "TargetedMessages": "string"
         },
         "LexBotAliasArn": "string",
         "LocaleId": "string",
         "RespondsTo": "string",
         "WelcomeIntent": "string"
      }
   },
   "Metadata": "string",
   "Name": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceBotArn

The ARN of the `AppInstanceBot`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Configuration

The configuration for the bot update.

Type: Configuration object

Required: No

Metadata

The metadata of the `AppInstanceBot`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: Yes

Name

The name of the `AppInstanceBot`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstanceBotArn": "string"
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceBotArn

The ARN of the `AppInstanceBot`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateAppInstanceUser

Service: Amazon Chime SDK Identity

Updates the details of an `AppInstanceUser`. You can update names and metadata.

Request Syntax

```
PUT /app-instance-users/appInstanceUserArn HTTP/1.1
Content-type: application/json

{
   "Metadata": "string",
   "Name": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceUserArn

The ARN of the `AppInstanceUser`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Metadata

The metadata of the `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: Yes

Name

The name of the `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `.*\S.*`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstanceUserArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceUserArn

The ARN of the `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateAppInstanceUserEndpoint

Service: Amazon Chime SDK Identity

Updates the details of an `AppInstanceUserEndpoint`. You can update the name and `AllowMessage` values.

Request Syntax

```
PUT /app-instance-users/appInstanceUserArn/endpoints/endpointId HTTP/1.1
Content-type: application/json

{
   "AllowMessages": "string",
   "Name": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceUserArn

The ARN of the `AppInstanceUser`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

endpointId

The unique identifier of the `AppInstanceUserEndpoint`.

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AllowMessages

Boolean that controls whether the `AppInstanceUserEndpoint` is opted in to receive messages. `ALL` indicates the endpoint will receive all messages. `NONE` indicates the endpoint will receive no messages.

Type: String

Valid Values: `ALL` | `NONE`

Required: No

Name

The name of the `AppInstanceUserEndpoint`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1600.

Pattern: `.*`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AppInstanceUserArn": "string",
   "EndpointId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AppInstanceUserArn

The ARN of the `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

EndpointId

The unique identifier of the `AppInstanceUserEndpoint`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Amazon Chime SDK Media Pipelines

The following actions are supported by Amazon Chime SDK Media Pipelines:

- CreateMediaCapturePipeline
- CreateMediaConcatenationPipeline
- CreateMediaInsightsPipeline
- CreateMediaInsightsPipelineConfiguration
- CreateMediaLiveConnectorPipeline
- CreateMediaPipelineKinesisVideoStreamPool
- CreateMediaStreamPipeline
- DeleteMediaCapturePipeline
- DeleteMediaInsightsPipelineConfiguration
- DeleteMediaPipeline
- DeleteMediaPipelineKinesisVideoStreamPool
- GetMediaCapturePipeline
- GetMediaInsightsPipelineConfiguration
- GetMediaPipeline
- GetMediaPipelineKinesisVideoStreamPool
- GetSpeakerSearchTask
- GetVoiceToneAnalysisTask
- ListMediaCapturePipelines
- ListMediaInsightsPipelineConfigurations
- ListMediaPipelineKinesisVideoStreamPools
- ListMediaPipelines
- ListTagsForResource
- StartSpeakerSearchTask
- StartVoiceToneAnalysisTask
- StopSpeakerSearchTask
- StopVoiceToneAnalysisTask
- TagResource
- UntagResource
- UpdateMediaInsightsPipelineConfiguration
- UpdateMediaInsightsPipelineStatus

- UpdateMediaPipelineKinesisVideoStreamPool

CreateMediaCapturePipeline

Service: Amazon Chime SDK Media Pipelines

Creates a media pipeline.

Request Syntax

```
POST /sdk-media-capture-pipelines HTTP/1.1
Content-type: application/json

{
   "ChimeSdkMeetingConfiguration": {
      "ArtifactsConfiguration": {
         "Audio": {
            "MuxType": "string"
         },
         "CompositedVideo": {
            "GridViewConfiguration": {
               "ActiveSpeakerOnlyConfiguration": {
                  "ActiveSpeakerPosition": "string"
               },
               "CanvasOrientation": "string",
               "ContentShareLayout": "string",
               "HorizontalLayoutConfiguration": {
                  "TileAspectRatio": "string",
                  "TileCount": number,
                  "TileOrder": "string",
                  "TilePosition": "string"
               },
               "PresenterOnlyConfiguration": {
                  "PresenterPosition": "string"
               },
               "VerticalLayoutConfiguration": {
                  "TileAspectRatio": "string",
                  "TileCount": number,
                  "TileOrder": "string",
                  "TilePosition": "string"
               },
               "VideoAttribute": {
                  "BorderColor": "string",
                  "BorderThickness": number,
                  "CornerRadius": number,
                  "HighlightColor": "string"
```

```
                }
            },
            "Layout": "string",
            "Resolution": "string"
        },
        "Content": {
            "MuxType": "string",
            "State": "string"
        },
        "Video": {
            "MuxType": "string",
            "State": "string"
        }
    },
    "SourceConfiguration": {
        "SelectedVideoStreams": {
            "AttendeeIds": [ "string" ],
            "ExternalUserIds": [ "string" ]
        }
    }
  },
  "ClientRequestToken": "string",
  "SinkArn": "string",
  "SinkIamRoleArn": "string",
  "SinkType": "string",
  "SourceArn": "string",
  "SourceType": "string",
  "SseAwsKeyManagementParams": {
    "AwsKmsEncryptionContext": "string",
    "AwsKmsKeyId": "string"
  },
  "Tags": [
    {
        "Key": "string",
        "Value": "string"
    }
  ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ChimeSdkMeetingConfiguration

The configuration for a specified media pipeline. `SourceType` must be `ChimeSdkMeeting`.

Type: ChimeSdkMeetingConfiguration object

Required: No

ClientRequestToken

The unique identifier for the client request. The token makes the API request idempotent. Use a unique token for each media pipeline request.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

SinkArn

The ARN of the sink type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

SinkIamRoleArn

The Amazon Resource Name (ARN) of the sink role to be used with `AwsKmsKeyId` in `SseAwsKeyManagementParams`. Can only interact with `S3Bucket` sink type. The role must belong to the caller's account and be able to act on behalf of the caller during the API call. All minimum policy permissions requirements for the caller to perform sink-related actions are the same for `SinkIamRoleArn`.

Additionally, the role must have permission to `kms:GenerateDataKey` using KMS key supplied as `AwsKmsKeyId` in `SseAwsKeyManagementParams`. If media concatenation will be required later, the role must also have permission to `kms:Decrypt` for the same KMS key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

SinkType

Destination type to which the media artifacts are saved. You must use an S3 bucket.

Type: String

Valid Values: `S3Bucket`

Required: Yes

SourceArn

ARN of the source from which the media artifacts are captured.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

SourceType

Source type from which the media artifacts are captured. A Chime SDK Meeting is the only supported source.

Type: String

Valid Values: `ChimeSdkMeeting`

Required: Yes

SseAwsKeyManagementParams

An object that contains server side encryption parameters to be used by media capture pipeline. The parameters can also be used by media concatenation pipeline taking media capture pipeline as a media source.

Type: SseAwsKeyManagementParams object

Required: No

Tags

The tag key-value pairs.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "MediaCapturePipeline": {
      "ChimeSdkMeetingConfiguration": {
         "ArtifactsConfiguration": {
            "Audio": {
               "MuxType": "string"
            },
            "CompositedVideo": {
               "GridViewConfiguration": {
                  "ActiveSpeakerOnlyConfiguration": {
                     "ActiveSpeakerPosition": "string"
                  },
                  "CanvasOrientation": "string",
                  "ContentShareLayout": "string",
                  "HorizontalLayoutConfiguration": {
                     "TileAspectRatio": "string",
                     "TileCount": number,
                     "TileOrder": "string",
                     "TilePosition": "string"
```

```
                  },
                  "PresenterOnlyConfiguration": {
                     "PresenterPosition": "string"
                  },
                  "VerticalLayoutConfiguration": {
                     "TileAspectRatio": "string",
                     "TileCount": number,
                     "TileOrder": "string",
                     "TilePosition": "string"
                  },
                  "VideoAttribute": {
                     "BorderColor": "string",
                     "BorderThickness": number,
                     "CornerRadius": number,
                     "HighlightColor": "string"
                  }
               },
               "Layout": "string",
               "Resolution": "string"
            },
            "Content": {
               "MuxType": "string",
               "State": "string"
            },
            "Video": {
               "MuxType": "string",
               "State": "string"
            }
         },
         "SourceConfiguration": {
            "SelectedVideoStreams": {
               "AttendeeIds": [ "string" ],
               "ExternalUserIds": [ "string" ]
            }
         }
      },
      "CreatedTimestamp": "string",
      "MediaPipelineArn": "string",
      "MediaPipelineId": "string",
      "SinkArn": "string",
      "SinkIamRoleArn": "string",
      "SinkType": "string",
      "SourceArn": "string",
      "SourceType": "string",
```

```
        "SseAwsKeyManagementParams": {
           "AwsKmsEncryptionContext": "string",
           "AwsKmsKeyId": "string"
        },
        "Status": "string",
        "UpdatedTimestamp": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

MediaCapturePipeline

A media pipeline object, the ID, source type, source ARN, sink type, and sink ARN of a media pipeline object.

Type: MediaCapturePipeline object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateMediaConcatenationPipeline

Service: Amazon Chime SDK Media Pipelines

Creates a media concatenation pipeline.

Request Syntax

```
POST /sdk-media-concatenation-pipelines HTTP/1.1
Content-type: application/json

{
   "ClientRequestToken": "string",
   "Sinks": [
      {
         "S3BucketSinkConfiguration": {
            "Destination": "string"
         },
         "Type": "string"
      }
   ],
   "Sources": [
      {
         "MediaCapturePipelineSourceConfiguration": {
            "ChimeSdkMeetingConfiguration": {
               "ArtifactsConfiguration": {
                  "Audio": {
                     "State": "string"
                  },
                  "CompositedVideo": {
                     "State": "string"
                  },
                  "Content": {
                     "State": "string"
                  },
                  "DataChannel": {
                     "State": "string"
                  },
                  "MeetingEvents": {
                     "State": "string"
                  },
                  "TranscriptionMessages": {
                     "State": "string"
                  },
```

```
                    "Video": {
                       "State": "string"
                    }
                 }
              },
              "MediaPipelineArn": "string"
           },
           "Type": "string"
        }
     ],
     "Tags": [
        {
           "Key": "string",
           "Value": "string"
        }
     ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientRequestToken

The unique identifier for the client request. The token makes the API request idempotent. Use a unique token for each media concatenation pipeline request.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Sinks

An object that specifies the data sinks for the media concatenation pipeline.

Type: Array of ConcatenationSink objects

Array Members: Fixed number of 1 item.

Required: Yes

Sources

An object that specifies the sources for the media concatenation pipeline.

Type: Array of ConcatenationSource objects

Array Members: Fixed number of 1 item.

Required: Yes

Tags

The tags associated with the media concatenation pipeline.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "MediaConcatenationPipeline": {
      "CreatedTimestamp": "string",
      "MediaPipelineArn": "string",
      "MediaPipelineId": "string",
      "Sinks": [
         {
            "S3BucketSinkConfiguration": {
               "Destination": "string"
            },
            "Type": "string"
         }
```

```
        ],
        "Sources": [
           {
              "MediaCapturePipelineSourceConfiguration": {
                 "ChimeSdkMeetingConfiguration": {
                    "ArtifactsConfiguration": {
                       "Audio": {
                          "State": "string"
                       },
                       "CompositedVideo": {
                          "State": "string"
                       },
                       "Content": {
                          "State": "string"
                       },
                       "DataChannel": {
                          "State": "string"
                       },
                       "MeetingEvents": {
                          "State": "string"
                       },
                       "TranscriptionMessages": {
                          "State": "string"
                       },
                       "Video": {
                          "State": "string"
                       }
                    }
                 },
                 "MediaPipelineArn": "string"
              },
              "Type": "string"
           }
        ],
        "Status": "string",
        "UpdatedTimestamp": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

MediaConcatenationPipeline

A media concatenation pipeline object, the ID, source type, `MediaPipelineARN`, and sink of a media concatenation pipeline object.

Type: MediaConcatenationPipeline object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateMediaInsightsPipeline

Service: Amazon Chime SDK Media Pipelines

Creates a media insights pipeline.

Request Syntax

```
POST /media-insights-pipelines HTTP/1.1
Content-type: application/json

{
   "ClientRequestToken": "string",
   "KinesisVideoStreamRecordingSourceRuntimeConfiguration": {
      "FragmentSelector": {
         "FragmentSelectorType": "string",
         "TimestampRange": {
            "EndTimestamp": number,
            "StartTimestamp": number
         }
      },
      "Streams": [
         {
            "StreamArn": "string"
         }
      ]
   },
   "KinesisVideoStreamSourceRuntimeConfiguration": {
      "MediaEncoding": "string",
      "MediaSampleRate": number,
      "Streams": [
         {
            "FragmentNumber": "string",
            "StreamArn": "string",
            "StreamChannelDefinition": {
               "ChannelDefinitions": [
                  {
                     "ChannelId": number,
                     "ParticipantRole": "string"
                  }
               ],
               "NumberOfChannels": number
            }
         }
```

```
        ]
    },
    "MediaInsightsPipelineConfigurationArn": "string",
    "MediaInsightsRuntimeMetadata": {
        "string" : "string"
    },
    "S3RecordingSinkRuntimeConfiguration": {
        "Destination": "string",
        "RecordingFileFormat": "string"
    },
    "Tags": [
        {
            "Key": "string",
            "Value": "string"
        }
    ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientRequestToken

The unique identifier for the media insights pipeline request.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

KinesisVideoStreamRecordingSourceRuntimeConfiguration

The runtime configuration for the Kinesis video recording stream source.

Type: KinesisVideoStreamRecordingSourceRuntimeConfiguration object

Required: No

KinesisVideoStreamSourceRuntimeConfiguration

The runtime configuration for the Kinesis video stream source of the media insights pipeline.

Type: KinesisVideoStreamSourceRuntimeConfiguration object

Required: No

MediaInsightsPipelineConfigurationArn

The ARN of the pipeline's configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

MediaInsightsRuntimeMetadata

The runtime metadata for the media insights pipeline. Consists of a key-value map of strings.

Type: String to string map

Key Length Constraints: Maximum length of 1024.

Key Pattern: `.*\S.*`

Value Length Constraints: Maximum length of 4096.

Value Pattern: `.*`

Required: No

S3RecordingSinkRuntimeConfiguration

The runtime configuration for the S3 recording sink. If specified, the settings in this structure override any settings in `S3RecordingSinkConfiguration`.

Type: S3RecordingSinkRuntimeConfiguration object

Required: No

Tags

The tags assigned to the media insights pipeline.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "MediaInsightsPipeline": {
      "CreatedTimestamp": "string",
      "ElementStatuses": [
         {
            "Status": "string",
            "Type": "string"
         }
      ],
      "KinesisVideoStreamRecordingSourceRuntimeConfiguration": {
         "FragmentSelector": {
            "FragmentSelectorType": "string",
            "TimestampRange": {
               "EndTimestamp": number,
               "StartTimestamp": number
            }
         },
         "Streams": [
            {
               "StreamArn": "string"
            }
         ]
      },
      "KinesisVideoStreamSourceRuntimeConfiguration": {
         "MediaEncoding": "string",
         "MediaSampleRate": number,
         "Streams": [
            {
```

```
                "FragmentNumber": "string",
                "StreamArn": "string",
                "StreamChannelDefinition": {
                   "ChannelDefinitions": [
                      {
                         "ChannelId": number,
                         "ParticipantRole": "string"
                      }
                   ],
                   "NumberOfChannels": number
                }
             }
          ]
       },
       "MediaInsightsPipelineConfigurationArn": "string",
       "MediaInsightsRuntimeMetadata": {
          "string" : "string"
       },
       "MediaPipelineArn": "string",
       "MediaPipelineId": "string",
       "S3RecordingSinkRuntimeConfiguration": {
          "Destination": "string",
          "RecordingFileFormat": "string"
       },
       "Status": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

MediaInsightsPipeline

The media insights pipeline object.

Type: MediaInsightsPipeline object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateMediaInsightsPipelineConfiguration

Service: Amazon Chime SDK Media Pipelines

A structure that contains the static configurations for a media insights pipeline.

Request Syntax

```
POST /media-insights-pipeline-configurations HTTP/1.1
Content-type: application/json

{
   "ClientRequestToken": "string",
   "Elements": [
      {
         "AmazonTranscribeCallAnalyticsProcessorConfiguration": {
            "CallAnalyticsStreamCategories": [ "string" ],
            "ContentIdentificationType": "string",
            "ContentRedactionType": "string",
            "EnablePartialResultsStabilization": boolean,
            "FilterPartialResults": boolean,
            "LanguageCode": "string",
            "LanguageModelName": "string",
            "PartialResultsStability": "string",
            "PiiEntityTypes": "string",
            "PostCallAnalyticsSettings": {
               "ContentRedactionOutput": "string",
               "DataAccessRoleArn": "string",
               "OutputEncryptionKMSKeyId": "string",
               "OutputLocation": "string"
            },
            "VocabularyFilterMethod": "string",
            "VocabularyFilterName": "string",
            "VocabularyName": "string"
         },
         "AmazonTranscribeProcessorConfiguration": {
            "ContentIdentificationType": "string",
            "ContentRedactionType": "string",
            "EnablePartialResultsStabilization": boolean,
            "FilterPartialResults": boolean,
            "IdentifyLanguage": boolean,
            "IdentifyMultipleLanguages": boolean,
            "LanguageCode": "string",
            "LanguageModelName": "string",
```

```
            "LanguageOptions": "string",
            "PartialResultsStability": "string",
            "PiiEntityTypes": "string",
            "PreferredLanguage": "string",
            "ShowSpeakerLabel": boolean,
            "VocabularyFilterMethod": "string",
            "VocabularyFilterName": "string",
            "VocabularyFilterNames": "string",
            "VocabularyName": "string",
            "VocabularyNames": "string"
         },
         "KinesisDataStreamSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "LambdaFunctionSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "S3RecordingSinkConfiguration": {
            "Destination": "string",
            "RecordingFileFormat": "string"
         },
         "SnsTopicSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "SqsQueueSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "Type": "string",
         "VoiceAnalyticsProcessorConfiguration": {
            "SpeakerSearchStatus": "string",
            "VoiceToneAnalysisStatus": "string"
         },
         "VoiceEnhancementSinkConfiguration": {
            "Disabled": boolean
         }
      }
   ],
   "MediaInsightsPipelineConfigurationName": "string",
   "RealTimeAlertConfiguration": {
      "Disabled": boolean,
      "Rules": [
         {
            "IssueDetectionConfiguration": {
               "RuleName": "string"
```

```
            },
            "KeywordMatchConfiguration": {
               "Keywords": [ "string" ],
               "Negate": boolean,
               "RuleName": "string"
            },
            "SentimentConfiguration": {
               "RuleName": "string",
               "SentimentType": "string",
               "TimePeriod": number
            },
            "Type": "string"
         }
      ]
   },
   "ResourceAccessRoleArn": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientRequestToken

The unique identifier for the media insights pipeline configuration request.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Elements

The elements in the request, such as a processor for Amazon Transcribe or a sink for a Kinesis Data Stream.

Type: Array of MediaInsightsPipelineConfigurationElement objects

Required: Yes

MediaInsightsPipelineConfigurationName

The name of the media insights pipeline configuration.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

RealTimeAlertConfiguration

The configuration settings for the real-time alerts in a media insights pipeline configuration.

Type: RealTimeAlertConfiguration object

Required: No

ResourceAccessRoleArn

The ARN of the role used by the service to access AWS resources, including `Transcribe` and `Transcribe Call Analytics`, on the caller's behalf.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

Tags

The tags assigned to the media insights pipeline configuration.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "MediaInsightsPipelineConfiguration": {
      "CreatedTimestamp": "string",
      "Elements": [
         {
            "AmazonTranscribeCallAnalyticsProcessorConfiguration": {
               "CallAnalyticsStreamCategories": [ "string" ],
               "ContentIdentificationType": "string",
               "ContentRedactionType": "string",
               "EnablePartialResultsStabilization": boolean,
               "FilterPartialResults": boolean,
               "LanguageCode": "string",
               "LanguageModelName": "string",
               "PartialResultsStability": "string",
               "PiiEntityTypes": "string",
               "PostCallAnalyticsSettings": {
                  "ContentRedactionOutput": "string",
                  "DataAccessRoleArn": "string",
                  "OutputEncryptionKMSKeyId": "string",
                  "OutputLocation": "string"
               },
               "VocabularyFilterMethod": "string",
               "VocabularyFilterName": "string",
               "VocabularyName": "string"
            },
            "AmazonTranscribeProcessorConfiguration": {
               "ContentIdentificationType": "string",
               "ContentRedactionType": "string",
               "EnablePartialResultsStabilization": boolean,
               "FilterPartialResults": boolean,
               "IdentifyLanguage": boolean,
               "IdentifyMultipleLanguages": boolean,
               "LanguageCode": "string",
               "LanguageModelName": "string",
```

```
            "LanguageOptions": "string",
            "PartialResultsStability": "string",
            "PiiEntityTypes": "string",
            "PreferredLanguage": "string",
            "ShowSpeakerLabel": boolean,
            "VocabularyFilterMethod": "string",
            "VocabularyFilterName": "string",
            "VocabularyFilterNames": "string",
            "VocabularyName": "string",
            "VocabularyNames": "string"
         },
         "KinesisDataStreamSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "LambdaFunctionSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "S3RecordingSinkConfiguration": {
            "Destination": "string",
            "RecordingFileFormat": "string"
         },
         "SnsTopicSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "SqsQueueSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "Type": "string",
         "VoiceAnalyticsProcessorConfiguration": {
            "SpeakerSearchStatus": "string",
            "VoiceToneAnalysisStatus": "string"
         },
         "VoiceEnhancementSinkConfiguration": {
            "Disabled": boolean
         }
      }
   ],
   "MediaInsightsPipelineConfigurationArn": "string",
   "MediaInsightsPipelineConfigurationId": "string",
   "MediaInsightsPipelineConfigurationName": "string",
   "RealTimeAlertConfiguration": {
      "Disabled": boolean,
      "Rules": [
         {
```

```
                "IssueDetectionConfiguration": {
                   "RuleName": "string"
                },
                "KeywordMatchConfiguration": {
                   "Keywords": [ "string" ],
                   "Negate": boolean,
                   "RuleName": "string"
                },
                "SentimentConfiguration": {
                   "RuleName": "string",
                   "SentimentType": "string",
                   "TimePeriod": number
                },
                "Type": "string"
             }
          ]
       },
       "ResourceAccessRoleArn": "string",
       "UpdatedTimestamp": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

MediaInsightsPipelineConfiguration

The configuration settings for the media insights pipeline.

Type: MediaInsightsPipelineConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateMediaLiveConnectorPipeline

Service: Amazon Chime SDK Media Pipelines

Creates a media live connector pipeline in an Amazon Chime SDK meeting.

Request Syntax

```
POST /sdk-media-live-connector-pipelines HTTP/1.1
Content-type: application/json

{
   "ClientRequestToken": "string",
   "Sinks": [
      {
         "RTMPConfiguration": {
            "AudioChannels": "string",
            "AudioSampleRate": "string",
            "Url": "string"
         },
         "SinkType": "string"
      }
   ],
   "Sources": [
      {
         "ChimeSdkMeetingLiveConnectorConfiguration": {
            "Arn": "string",
            "CompositedVideo": {
               "GridViewConfiguration": {
                  "ActiveSpeakerOnlyConfiguration": {
                     "ActiveSpeakerPosition": "string"
                  },
                  "CanvasOrientation": "string",
                  "ContentShareLayout": "string",
                  "HorizontalLayoutConfiguration": {
                     "TileAspectRatio": "string",
                     "TileCount": number,
                     "TileOrder": "string",
                     "TilePosition": "string"
                  },
                  "PresenterOnlyConfiguration": {
                     "PresenterPosition": "string"
                  },
                  "VerticalLayoutConfiguration": {
```

```
                    "TileAspectRatio": "string",
                    "TileCount": number,
                    "TileOrder": "string",
                    "TilePosition": "string"
                 },
                 "VideoAttribute": {
                    "BorderColor": "string",
                    "BorderThickness": number,
                    "CornerRadius": number,
                    "HighlightColor": "string"
                 }
              },
              "Layout": "string",
              "Resolution": "string"
           },
           "MuxType": "string",
           "SourceConfiguration": {
              "SelectedVideoStreams": {
                 "AttendeeIds": [ "string" ],
                 "ExternalUserIds": [ "string" ]
              }
           }
        },
        "SourceType": "string"
     }
  ],
  "Tags": [
     {
        "Key": "string",
        "Value": "string"
     }
  ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientRequestToken

The token assigned to the client making the request.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Sinks

The media live connector pipeline's data sinks.

Type: Array of LiveConnectorSinkConfiguration objects

Array Members: Fixed number of 1 item.

Required: Yes

Sources

The media live connector pipeline's data sources.

Type: Array of LiveConnectorSourceConfiguration objects

Array Members: Fixed number of 1 item.

Required: Yes

Tags

The tags associated with the media live connector pipeline.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json
```

```
{
   "MediaLiveConnectorPipeline": {
      "CreatedTimestamp": "string",
      "MediaPipelineArn": "string",
      "MediaPipelineId": "string",
      "Sinks": [
         {
            "RTMPConfiguration": {
               "AudioChannels": "string",
               "AudioSampleRate": "string",
               "Url": "string"
            },
            "SinkType": "string"
         }
      ],
      "Sources": [
         {
            "ChimeSdkMeetingLiveConnectorConfiguration": {
               "Arn": "string",
               "CompositedVideo": {
                  "GridViewConfiguration": {
                     "ActiveSpeakerOnlyConfiguration": {
                        "ActiveSpeakerPosition": "string"
                     },
                     "CanvasOrientation": "string",
                     "ContentShareLayout": "string",
                     "HorizontalLayoutConfiguration": {
                        "TileAspectRatio": "string",
                        "TileCount": number,
                        "TileOrder": "string",
                        "TilePosition": "string"
                     },
                     "PresenterOnlyConfiguration": {
                        "PresenterPosition": "string"
                     },
                     "VerticalLayoutConfiguration": {
                        "TileAspectRatio": "string",
                        "TileCount": number,
                        "TileOrder": "string",
                        "TilePosition": "string"
                     },
                     "VideoAttribute": {
                        "BorderColor": "string",
                        "BorderThickness": number,
```

```
                        "CornerRadius": number,
                        "HighlightColor": "string"
                     }
                  },
                  "Layout": "string",
                  "Resolution": "string"
               },
               "MuxType": "string",
               "SourceConfiguration": {
                  "SelectedVideoStreams": {
                     "AttendeeIds": [ "string" ],
                     "ExternalUserIds": [ "string" ]
                  }
               }
            },
            "SourceType": "string"
         }
      ],
      "Status": "string",
      "UpdatedTimestamp": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

MediaLiveConnectorPipeline

The new media live connector pipeline.

Type: MediaLiveConnectorPipeline object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateMediaPipelineKinesisVideoStreamPool

Service: Amazon Chime SDK Media Pipelines

Creates an Amazon Kinesis Video Stream pool for use with media stream pipelines.

> **Note**
>
> If a meeting uses an opt-in Region as its MediaRegion, the KVS stream must be in that same Region. For example, if a meeting uses the `af-south-1` Region, the KVS stream must also be in `af-south-1`. However, if the meeting uses a Region that AWS turns on by default, the KVS stream can be in any available Region, including an opt-in Region. For example, if the meeting uses `ca-central-1`, the KVS stream can be in `eu-west-2`, `us-east-1`, `af-south-1`, or any other Region that the Amazon Chime SDK supports.
> To learn which AWS Region a meeting uses, call the GetMeeting API and use the MediaRegion parameter from the response.
> For more information about opt-in Regions, refer to Available Regions in the *Amazon Chime SDK Developer Guide*, and Specify which AWS Regions your account can use, in the *AWS Account Management Reference Guide*.

Request Syntax

```
POST /media-pipeline-kinesis-video-stream-pools HTTP/1.1
Content-type: application/json

{
   "ClientRequestToken": "string",
   "PoolName": "string",
   "StreamConfiguration": {
      "DataRetentionInHours": number,
      "Region": "string"
   },
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientRequestToken

The token assigned to the client making the request.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

PoolName

The name of the pool.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

StreamConfiguration

The configuration settings for the stream.

Type: KinesisVideoStreamConfiguration object

Required: Yes

Tags

The tags assigned to the stream pool.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "KinesisVideoStreamPoolConfiguration": {
      "CreatedTimestamp": "string",
      "PoolArn": "string",
      "PoolId": "string",
      "PoolName": "string",
      "PoolSize": number,
      "PoolStatus": "string",
      "StreamConfiguration": {
         "DataRetentionInHours": number,
         "Region": "string"
      },
      "UpdatedTimestamp": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

KinesisVideoStreamPoolConfiguration

The configuration for applying the streams to the pool.

> **Note**

Type: KinesisVideoStreamPoolConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateMediaStreamPipeline

Service: Amazon Chime SDK Media Pipelines

Creates a streaming media pipeline.

Request Syntax

```
POST /sdk-media-stream-pipelines HTTP/1.1
Content-type: application/json

{
   "ClientRequestToken": "string",
   "Sinks": [
      {
         "MediaStreamType": "string",
         "ReservedStreamCapacity": number,
         "SinkArn": "string",
         "SinkType": "string"
      }
   ],
   "Sources": [
      {
         "SourceArn": "string",
         "SourceType": "string"
      }
   ],
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientRequestToken

The token assigned to the client making the request.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Sinks

The data sink for the media pipeline.

Type: Array of MediaStreamSink objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: Yes

Sources

The data sources for the media pipeline.

Type: Array of MediaStreamSource objects

Array Members: Minimum number of 1 item.

Required: Yes

Tags

The tags assigned to the media pipeline.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json
```

```
{
   "MediaStreamPipeline": {
      "CreatedTimestamp": "string",
      "MediaPipelineArn": "string",
      "MediaPipelineId": "string",
      "Sinks": [
         {
            "MediaStreamType": "string",
            "ReservedStreamCapacity": number,
            "SinkArn": "string",
            "SinkType": "string"
         }
      ],
      "Sources": [
         {
            "SourceArn": "string",
            "SourceType": "string"
         }
      ],
      "Status": "string",
      "UpdatedTimestamp": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

MediaStreamPipeline

The requested media pipeline.

Type: MediaStreamPipeline object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteMediaCapturePipeline

Service: Amazon Chime SDK Media Pipelines

Deletes the media pipeline.

Request Syntax

```
DELETE /sdk-media-capture-pipelines/mediaPipelineId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

mediaPipelineId

The ID of the media pipeline being deleted.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteMediaInsightsPipelineConfiguration

Service: Amazon Chime SDK Media Pipelines

Deletes the specified configuration settings.

Request Syntax

```
DELETE /media-insights-pipeline-configurations/identifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

identifier

The unique identifier of the resource to be deleted. Valid values include the name and ARN of the media insights pipeline configuration.

Length Constraints: Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteMediaPipeline

Service: Amazon Chime SDK Media Pipelines

Deletes the media pipeline.

Request Syntax

```
DELETE /sdk-media-pipelines/mediaPipelineId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

mediaPipelineId

The ID of the media pipeline to delete.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteMediaPipelineKinesisVideoStreamPool

Service: Amazon Chime SDK Media Pipelines

Deletes an Amazon Kinesis Video Stream pool.

Request Syntax

```
DELETE /media-pipeline-kinesis-video-stream-pools/identifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

identifier

The unique identifier of the requested resource. Valid values include the name and ARN of the media pipeline Kinesis Video Stream pool.

Length Constraints: Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetMediaCapturePipeline

Service: Amazon Chime SDK Media Pipelines

Gets an existing media pipeline.

Request Syntax

```
GET /sdk-media-capture-pipelines/mediaPipelineId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

mediaPipelineId

The ID of the pipeline that you want to get.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "MediaCapturePipeline": {
      "ChimeSdkMeetingConfiguration": {
         "ArtifactsConfiguration": {
            "Audio": {
               "MuxType": "string"
            },
            "CompositedVideo": {
               "GridViewConfiguration": {
                  "ActiveSpeakerOnlyConfiguration": {
```

```
                "ActiveSpeakerPosition": "string"
            },
            "CanvasOrientation": "string",
            "ContentShareLayout": "string",
            "HorizontalLayoutConfiguration": {
                "TileAspectRatio": "string",
                "TileCount": number,
                "TileOrder": "string",
                "TilePosition": "string"
            },
            "PresenterOnlyConfiguration": {
                "PresenterPosition": "string"
            },
            "VerticalLayoutConfiguration": {
                "TileAspectRatio": "string",
                "TileCount": number,
                "TileOrder": "string",
                "TilePosition": "string"
            },
            "VideoAttribute": {
                "BorderColor": "string",
                "BorderThickness": number,
                "CornerRadius": number,
                "HighlightColor": "string"
            }
        },
        "Layout": "string",
        "Resolution": "string"
    },
    "Content": {
        "MuxType": "string",
        "State": "string"
    },
    "Video": {
        "MuxType": "string",
        "State": "string"
    }
},
"SourceConfiguration": {
    "SelectedVideoStreams": {
        "AttendeeIds": [ "string" ],
        "ExternalUserIds": [ "string" ]
    }
}
```

```
        },
        "CreatedTimestamp": "string",
        "MediaPipelineArn": "string",
        "MediaPipelineId": "string",
        "SinkArn": "string",
        "SinkIamRoleArn": "string",
        "SinkType": "string",
        "SourceArn": "string",
        "SourceType": "string",
        "SseAwsKeyManagementParams": {
           "AwsKmsEncryptionContext": "string",
           "AwsKmsKeyId": "string"
        },
        "Status": "string",
        "UpdatedTimestamp": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MediaCapturePipeline

The media pipeline object.

Type: MediaCapturePipeline object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetMediaInsightsPipelineConfiguration

Service: Amazon Chime SDK Media Pipelines

Gets the configuration settings for a media insights pipeline.

Request Syntax

```
GET /media-insights-pipeline-configurations/identifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

identifier

The unique identifier of the requested resource. Valid values include the name and ARN of the media insights pipeline configuration.

Length Constraints: Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "MediaInsightsPipelineConfiguration": {
      "CreatedTimestamp": "string",
      "Elements": [
         {
            "AmazonTranscribeCallAnalyticsProcessorConfiguration": {
               "CallAnalyticsStreamCategories": [ "string" ],
               "ContentIdentificationType": "string",
               "ContentRedactionType": "string",
```

```
            "EnablePartialResultsStabilization": boolean,
            "FilterPartialResults": boolean,
            "LanguageCode": "string",
            "LanguageModelName": "string",
            "PartialResultsStability": "string",
            "PiiEntityTypes": "string",
            "PostCallAnalyticsSettings": {
               "ContentRedactionOutput": "string",
               "DataAccessRoleArn": "string",
               "OutputEncryptionKMSKeyId": "string",
               "OutputLocation": "string"
            },
            "VocabularyFilterMethod": "string",
            "VocabularyFilterName": "string",
            "VocabularyName": "string"
         },
         "AmazonTranscribeProcessorConfiguration": {
            "ContentIdentificationType": "string",
            "ContentRedactionType": "string",
            "EnablePartialResultsStabilization": boolean,
            "FilterPartialResults": boolean,
            "IdentifyLanguage": boolean,
            "IdentifyMultipleLanguages": boolean,
            "LanguageCode": "string",
            "LanguageModelName": "string",
            "LanguageOptions": "string",
            "PartialResultsStability": "string",
            "PiiEntityTypes": "string",
            "PreferredLanguage": "string",
            "ShowSpeakerLabel": boolean,
            "VocabularyFilterMethod": "string",
            "VocabularyFilterName": "string",
            "VocabularyFilterNames": "string",
            "VocabularyName": "string",
            "VocabularyNames": "string"
         },
         "KinesisDataStreamSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "LambdaFunctionSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "S3RecordingSinkConfiguration": {
            "Destination": "string",
```

```
                "RecordingFileFormat": "string"
            },
            "SnsTopicSinkConfiguration": {
                "InsightsTarget": "string"
            },
            "SqsQueueSinkConfiguration": {
                "InsightsTarget": "string"
            },
            "Type": "string",
            "VoiceAnalyticsProcessorConfiguration": {
                "SpeakerSearchStatus": "string",
                "VoiceToneAnalysisStatus": "string"
            },
            "VoiceEnhancementSinkConfiguration": {
                "Disabled": boolean
            }
        }
    ],
    "MediaInsightsPipelineConfigurationArn": "string",
    "MediaInsightsPipelineConfigurationId": "string",
    "MediaInsightsPipelineConfigurationName": "string",
    "RealTimeAlertConfiguration": {
        "Disabled": boolean,
        "Rules": [
            {
                "IssueDetectionConfiguration": {
                    "RuleName": "string"
                },
                "KeywordMatchConfiguration": {
                    "Keywords": [ "string" ],
                    "Negate": boolean,
                    "RuleName": "string"
                },
                "SentimentConfiguration": {
                    "RuleName": "string",
                    "SentimentType": "string",
                    "TimePeriod": number
                },
                "Type": "string"
            }
        ]
    },
    "ResourceAccessRoleArn": "string",
    "UpdatedTimestamp": "string"
```

```
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MediaInsightsPipelineConfiguration

The requested media insights pipeline configuration.

Type: MediaInsightsPipelineConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetMediaPipeline

Service: Amazon Chime SDK Media Pipelines

Gets an existing media pipeline.

Request Syntax

```
GET /sdk-media-pipelines/mediaPipelineId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

mediaPipelineId

The ID of the pipeline that you want to get.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "MediaPipeline": {
      "MediaCapturePipeline": {
         "ChimeSdkMeetingConfiguration": {
            "ArtifactsConfiguration": {
               "Audio": {
                  "MuxType": "string"
               },
               "CompositedVideo": {
                  "GridViewConfiguration": {
```

```
                "ActiveSpeakerOnlyConfiguration": {
                   "ActiveSpeakerPosition": "string"
                },
                "CanvasOrientation": "string",
                "ContentShareLayout": "string",
                "HorizontalLayoutConfiguration": {
                   "TileAspectRatio": "string",
                   "TileCount": number,
                   "TileOrder": "string",
                   "TilePosition": "string"
                },
                "PresenterOnlyConfiguration": {
                   "PresenterPosition": "string"
                },
                "VerticalLayoutConfiguration": {
                   "TileAspectRatio": "string",
                   "TileCount": number,
                   "TileOrder": "string",
                   "TilePosition": "string"
                },
                "VideoAttribute": {
                   "BorderColor": "string",
                   "BorderThickness": number,
                   "CornerRadius": number,
                   "HighlightColor": "string"
                }
             },
             "Layout": "string",
             "Resolution": "string"
          },
          "Content": {
             "MuxType": "string",
             "State": "string"
          },
          "Video": {
             "MuxType": "string",
             "State": "string"
          }
       },
       "SourceConfiguration": {
          "SelectedVideoStreams": {
             "AttendeeIds": [ "string" ],
             "ExternalUserIds": [ "string" ]
          }
```

```
            }
         },
         "CreatedTimestamp": "string",
         "MediaPipelineArn": "string",
         "MediaPipelineId": "string",
         "SinkArn": "string",
         "SinkIamRoleArn": "string",
         "SinkType": "string",
         "SourceArn": "string",
         "SourceType": "string",
         "SseAwsKeyManagementParams": {
            "AwsKmsEncryptionContext": "string",
            "AwsKmsKeyId": "string"
         },
         "Status": "string",
         "UpdatedTimestamp": "string"
      },
      "MediaConcatenationPipeline": {
         "CreatedTimestamp": "string",
         "MediaPipelineArn": "string",
         "MediaPipelineId": "string",
         "Sinks": [
            {
               "S3BucketSinkConfiguration": {
                  "Destination": "string"
               },
               "Type": "string"
            }
         ],
         "Sources": [
            {
               "MediaCapturePipelineSourceConfiguration": {
                  "ChimeSdkMeetingConfiguration": {
                     "ArtifactsConfiguration": {
                        "Audio": {
                           "State": "string"
                        },
                        "CompositedVideo": {
                           "State": "string"
                        },
                        "Content": {
                           "State": "string"
                        },
                        "DataChannel": {
```

```
                        "State": "string"
                    },
                    "MeetingEvents": {
                        "State": "string"
                    },
                    "TranscriptionMessages": {
                        "State": "string"
                    },
                    "Video": {
                        "State": "string"
                    }
                }
            },
            "MediaPipelineArn": "string"
        },
        "Type": "string"
    }
],
"Status": "string",
"UpdatedTimestamp": "string"
},
"MediaInsightsPipeline": {
    "CreatedTimestamp": "string",
    "ElementStatuses": [
        {
            "Status": "string",
            "Type": "string"
        }
    ],
    "KinesisVideoStreamRecordingSourceRuntimeConfiguration": {
        "FragmentSelector": {
            "FragmentSelectorType": "string",
            "TimestampRange": {
                "EndTimestamp": number,
                "StartTimestamp": number
            }
        },
        "Streams": [
            {
                "StreamArn": "string"
            }
        ]
    },
    "KinesisVideoStreamSourceRuntimeConfiguration": {
```

```
            "MediaEncoding": "string",
            "MediaSampleRate": number,
            "Streams": [
               {
                  "FragmentNumber": "string",
                  "StreamArn": "string",
                  "StreamChannelDefinition": {
                     "ChannelDefinitions": [
                        {
                           "ChannelId": number,
                           "ParticipantRole": "string"
                        }
                     ],
                     "NumberOfChannels": number
                  }
               }
            ]
         },
         "MediaInsightsPipelineConfigurationArn": "string",
         "MediaInsightsRuntimeMetadata": {
            "string" : "string"
         },
         "MediaPipelineArn": "string",
         "MediaPipelineId": "string",
         "S3RecordingSinkRuntimeConfiguration": {
            "Destination": "string",
            "RecordingFileFormat": "string"
         },
         "Status": "string"
      },
      "MediaLiveConnectorPipeline": {
         "CreatedTimestamp": "string",
         "MediaPipelineArn": "string",
         "MediaPipelineId": "string",
         "Sinks": [
            {
               "RTMPConfiguration": {
                  "AudioChannels": "string",
                  "AudioSampleRate": "string",
                  "Url": "string"
               },
               "SinkType": "string"
            }
         ],
```

```
        "Sources": [
          {
            "ChimeSdkMeetingLiveConnectorConfiguration": {
              "Arn": "string",
              "CompositedVideo": {
                "GridViewConfiguration": {
                  "ActiveSpeakerOnlyConfiguration": {
                    "ActiveSpeakerPosition": "string"
                  },
                  "CanvasOrientation": "string",
                  "ContentShareLayout": "string",
                  "HorizontalLayoutConfiguration": {
                    "TileAspectRatio": "string",
                    "TileCount": number,
                    "TileOrder": "string",
                    "TilePosition": "string"
                  },
                  "PresenterOnlyConfiguration": {
                    "PresenterPosition": "string"
                  },
                  "VerticalLayoutConfiguration": {
                    "TileAspectRatio": "string",
                    "TileCount": number,
                    "TileOrder": "string",
                    "TilePosition": "string"
                  },
                  "VideoAttribute": {
                    "BorderColor": "string",
                    "BorderThickness": number,
                    "CornerRadius": number,
                    "HighlightColor": "string"
                  }
                },
                "Layout": "string",
                "Resolution": "string"
              },
              "MuxType": "string",
              "SourceConfiguration": {
                "SelectedVideoStreams": {
                  "AttendeeIds": [ "string" ],
                  "ExternalUserIds": [ "string" ]
                }
              }
            },
```

```
                "SourceType": "string"
            }
        ],
        "Status": "string",
        "UpdatedTimestamp": "string"
    },
    "MediaStreamPipeline": {
        "CreatedTimestamp": "string",
        "MediaPipelineArn": "string",
        "MediaPipelineId": "string",
        "Sinks": [
            {
                "MediaStreamType": "string",
                "ReservedStreamCapacity": number,
                "SinkArn": "string",
                "SinkType": "string"
            }
        ],
        "Sources": [
            {
                "SourceArn": "string",
                "SourceType": "string"
            }
        ],
        "Status": "string",
        "UpdatedTimestamp": "string"
    }
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MediaPipeline

The media pipeline object.

Type: MediaPipeline object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetMediaPipelineKinesisVideoStreamPool

Service: Amazon Chime SDK Media Pipelines

Gets an Kinesis video stream pool.

Request Syntax

```
GET /media-pipeline-kinesis-video-stream-pools/identifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

identifier

The unique identifier of the requested resource. Valid values include the name and ARN of the media pipeline Kinesis Video Stream pool.

Length Constraints: Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "KinesisVideoStreamPoolConfiguration": {
      "CreatedTimestamp": "string",
      "PoolArn": "string",
      "PoolId": "string",
      "PoolName": "string",
      "PoolSize": number,
      "PoolStatus": "string",
```

```
        "StreamConfiguration": {
           "DataRetentionInHours": number,
           "Region": "string"
        },
        "UpdatedTimestamp": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

KinesisVideoStreamPoolConfiguration

The video stream pool configuration object.

Type: KinesisVideoStreamPoolConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetSpeakerSearchTask

Service: Amazon Chime SDK Media Pipelines

Retrieves the details of the specified speaker search task.

Request Syntax

```
GET /media-insights-pipelines/identifier/speaker-search-tasks/speakerSearchTaskId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

identifier

The unique identifier of the resource to be updated. Valid values include the ID and ARN of the media insights pipeline.

Length Constraints: Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

speakerSearchTaskId

The ID of the speaker search task.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "SpeakerSearchTask": {
      "CreatedTimestamp": "string",
      "SpeakerSearchTaskId": "string",
      "SpeakerSearchTaskStatus": "string",
      "UpdatedTimestamp": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

SpeakerSearchTask

The details of the speaker search task.

Type: SpeakerSearchTask object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceToneAnalysisTask

Service: Amazon Chime SDK Media Pipelines

Retrieves the details of a voice tone analysis task.

Request Syntax

```
GET /media-insights-pipelines/identifier/voice-tone-analysis-
tasks/voiceToneAnalysisTaskId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

identifier

The unique identifier of the resource to be updated. Valid values include the ID and ARN of the media insights pipeline.

Length Constraints: Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

voiceToneAnalysisTaskId

The ID of the voice tone analysis task.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "VoiceToneAnalysisTask": {
      "CreatedTimestamp": "string",
      "UpdatedTimestamp": "string",
      "VoiceToneAnalysisTaskId": "string",
      "VoiceToneAnalysisTaskStatus": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VoiceToneAnalysisTask

The details of the voice tone analysis task.

Type: VoiceToneAnalysisTask object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListMediaCapturePipelines

Service: Amazon Chime SDK Media Pipelines

Returns a list of media pipelines.

Request Syntax

```
GET /sdk-media-capture-pipelines?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return in a single call. Valid Range: 1 - 99.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token used to retrieve the next page of results.

Length Constraints: Maximum length of 4096.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "MediaCapturePipelines": [
      {
         "MediaPipelineArn": "string",
         "MediaPipelineId": "string"
      }
```

```
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MediaCapturePipelines

The media pipeline objects in the list.

Type: Array of MediaCapturePipelineSummary objects

NextToken

The token used to retrieve the next page of results.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListMediaInsightsPipelineConfigurations

Service: Amazon Chime SDK Media Pipelines

Lists the available media insights pipeline configurations.

Request Syntax

```
GET /media-insights-pipeline-configurations?max-results=MaxResults&next-token=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return in a single call.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token used to return the next page of results.

Length Constraints: Maximum length of 4096.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "MediaInsightsPipelineConfigurations": [
      {
         "MediaInsightsPipelineConfigurationArn": "string",
```

```
            "MediaInsightsPipelineConfigurationId": "string",
            "MediaInsightsPipelineConfigurationName": "string"
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MediaInsightsPipelineConfigurations

The requested list of media insights pipeline configurations.

Type: Array of MediaInsightsPipelineConfigurationSummary objects

NextToken

The token used to return the next page of results.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListMediaPipelineKinesisVideoStreamPools

Service: Amazon Chime SDK Media Pipelines

Lists the video stream pools in the media pipeline.

Request Syntax

```
GET /media-pipeline-kinesis-video-stream-pools?max-results=MaxResults&next-
token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return in a single call.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token used to return the next page of results.

Length Constraints: Maximum length of 4096.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "KinesisVideoStreamPools": [
      {
         "PoolArn": "string",
```

```
            "PoolId": "string",
            "PoolName": "string"
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

KinesisVideoStreamPools

The list of video stream pools.

Type: Array of KinesisVideoStreamPoolSummary objects

NextToken

The token used to return the next page of results.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListMediaPipelines

Service: Amazon Chime SDK Media Pipelines

Returns a list of media pipelines.

Request Syntax

```
GET /sdk-media-pipelines?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return in a single call. Valid Range: 1 - 99.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token used to retrieve the next page of results.

Length Constraints: Maximum length of 4096.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "MediaPipelines": [
      {
         "MediaPipelineArn": "string",
         "MediaPipelineId": "string"
      }
```

```
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MediaPipelines

The media pipeline objects in the list.

Type: Array of MediaPipelineSummary objects

NextToken

The token used to retrieve the next page of results.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListTagsForResource

Service: Amazon Chime SDK Media Pipelines

Lists the tags available for a media pipeline.

Request Syntax

```
GET /tags?arn=ResourceARN HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceARN

The ARN of the media pipeline associated with any tags. The ARN consists of the pipeline's region, resource ID, and pipeline ID.

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Tags

The tags associated with the specified media pipeline.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StartSpeakerSearchTask

Service: Amazon Chime SDK Media Pipelines

Starts a speaker search task.

> **Important**
>
> Before starting any speaker search tasks, you must provide all notices and obtain all consents from the speaker as required under applicable privacy and biometrics laws, and as required under the AWS service terms for the Amazon Chime SDK.

Request Syntax

```
POST /media-insights-pipelines/identifier/speaker-search-tasks?operation=start HTTP/1.1
Content-type: application/json

{
   "ClientRequestToken": "string",
   "KinesisVideoStreamSourceTaskConfiguration": {
      "ChannelId": number,
      "FragmentNumber": "string",
      "StreamArn": "string"
   },
   "VoiceProfileDomainArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

identifier

The unique identifier of the resource to be updated. Valid values include the ID and ARN of the media insights pipeline.

Length Constraints: Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ClientRequestToken

The unique identifier for the client request. Use a different token for different speaker search tasks.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

KinesisVideoStreamSourceTaskConfiguration

The task configuration for the Kinesis video stream source of the media insights pipeline.

Type: KinesisVideoStreamSourceTaskConfiguration object

Required: No

VoiceProfileDomainArn

The ARN of the voice profile domain that will store the voice profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "SpeakerSearchTask": {
```

```
        "CreatedTimestamp": "string",
        "SpeakerSearchTaskId": "string",
        "SpeakerSearchTaskStatus": "string",
        "UpdatedTimestamp": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

SpeakerSearchTask

The details of the speaker search task.

Type: SpeakerSearchTask object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StartVoiceToneAnalysisTask

Service: Amazon Chime SDK Media Pipelines

Starts a voice tone analysis task. For more information about voice tone analysis, see Using Amazon Chime SDK voice analytics in the *Amazon Chime SDK Developer Guide*.

> **Important**
>
> Before starting any voice tone analysis tasks, you must provide all notices and obtain all consents from the speaker as required under applicable privacy and biometrics laws, and as required under the AWS service terms for the Amazon Chime SDK.

Request Syntax

```
POST /media-insights-pipelines/identifier/voice-tone-analysis-tasks?operation=start
 HTTP/1.1
Content-type: application/json

{
   "ClientRequestToken": "string",
   "KinesisVideoStreamSourceTaskConfiguration": {
      "ChannelId": number,
      "FragmentNumber": "string",
      "StreamArn": "string"
   },
   "LanguageCode": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

identifier

The unique identifier of the resource to be updated. Valid values include the ID and ARN of the media insights pipeline.

Length Constraints: Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ClientRequestToken

The unique identifier for the client request. Use a different token for different voice tone analysis tasks.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

KinesisVideoStreamSourceTaskConfiguration

The task configuration for the Kinesis video stream source of the media insights pipeline.

Type: KinesisVideoStreamSourceTaskConfiguration object

Required: No

LanguageCode

The language code.

Type: String

Valid Values: `en-US`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
```

```
    "VoiceToneAnalysisTask": {
       "CreatedTimestamp": "string",
       "UpdatedTimestamp": "string",
       "VoiceToneAnalysisTaskId": "string",
       "VoiceToneAnalysisTaskStatus": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

VoiceToneAnalysisTask

The details of the voice tone analysis task.

Type: VoiceToneAnalysisTask object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StopSpeakerSearchTask

Service: Amazon Chime SDK Media Pipelines

Stops a speaker search task.

Request Syntax

```
POST /media-insights-pipelines/identifier/speaker-search-tasks/{speakerSearchTaskId}?
operation=stop HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

identifier

The unique identifier of the resource to be updated. Valid values include the ID and ARN of the media insights pipeline.

Length Constraints: Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

speakerSearchTaskId

The speaker search task ID.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StopVoiceToneAnalysisTask

Service: Amazon Chime SDK Media Pipelines

Stops a voice tone analysis task.

Request Syntax

```
POST /media-insights-pipelines/identifier/voice-tone-analysis-tasks/
{voiceToneAnalysisTaskId}?operation=stop HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

identifier

The unique identifier of the resource to be updated. Valid values include the ID and ARN of the media insights pipeline.

Length Constraints: Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

voiceToneAnalysisTaskId

The ID of the voice tone analysis task.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

Service: Amazon Chime SDK Media Pipelines

The ARN of the media pipeline that you want to tag. Consists of the pipeline's endpoint region, resource ID, and pipeline ID.

Request Syntax

```
POST /tags?operation=tag-resource HTTP/1.1
Content-type: application/json

{
   "ResourceARN": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ResourceARN

The ARN of the media pipeline associated with any tags. The ARN consists of the pipeline's endpoint region, resource ID, and pipeline ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

Tags

The tags associated with the specified media pipeline.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UntagResource

Service: Amazon Chime SDK Media Pipelines

Removes any tags from a media pipeline.

Request Syntax

```
POST /tags?operation=untag-resource HTTP/1.1
Content-type: application/json

{
   "ResourceARN": "string",
   "TagKeys": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ResourceARN

The ARN of the pipeline that you want to untag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

TagKeys

The key/value pairs in the tag that you want to remove.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateMediaInsightsPipelineConfiguration

Service: Amazon Chime SDK Media Pipelines

Updates the media insights pipeline's configuration settings.

Request Syntax

```
PUT /media-insights-pipeline-configurations/identifier HTTP/1.1
Content-type: application/json

{
   "Elements": [
      {
         "AmazonTranscribeCallAnalyticsProcessorConfiguration": {
            "CallAnalyticsStreamCategories": [ "string" ],
            "ContentIdentificationType": "string",
            "ContentRedactionType": "string",
            "EnablePartialResultsStabilization": boolean,
            "FilterPartialResults": boolean,
            "LanguageCode": "string",
            "LanguageModelName": "string",
            "PartialResultsStability": "string",
            "PiiEntityTypes": "string",
            "PostCallAnalyticsSettings": {
               "ContentRedactionOutput": "string",
               "DataAccessRoleArn": "string",
               "OutputEncryptionKMSKeyId": "string",
               "OutputLocation": "string"
            },
            "VocabularyFilterMethod": "string",
            "VocabularyFilterName": "string",
            "VocabularyName": "string"
         },
         "AmazonTranscribeProcessorConfiguration": {
            "ContentIdentificationType": "string",
            "ContentRedactionType": "string",
            "EnablePartialResultsStabilization": boolean,
            "FilterPartialResults": boolean,
            "IdentifyLanguage": boolean,
            "IdentifyMultipleLanguages": boolean,
            "LanguageCode": "string",
            "LanguageModelName": "string",
            "LanguageOptions": "string",
```

```
            "PartialResultsStability": "string",
            "PiiEntityTypes": "string",
            "PreferredLanguage": "string",
            "ShowSpeakerLabel": boolean,
            "VocabularyFilterMethod": "string",
            "VocabularyFilterName": "string",
            "VocabularyFilterNames": "string",
            "VocabularyName": "string",
            "VocabularyNames": "string"
         },
         "KinesisDataStreamSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "LambdaFunctionSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "S3RecordingSinkConfiguration": {
            "Destination": "string",
            "RecordingFileFormat": "string"
         },
         "SnsTopicSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "SqsQueueSinkConfiguration": {
            "InsightsTarget": "string"
         },
         "Type": "string",
         "VoiceAnalyticsProcessorConfiguration": {
            "SpeakerSearchStatus": "string",
            "VoiceToneAnalysisStatus": "string"
         },
         "VoiceEnhancementSinkConfiguration": {
            "Disabled": boolean
         }
      }
   ],
   "RealTimeAlertConfiguration": {
      "Disabled": boolean,
      "Rules": [
         {
            "IssueDetectionConfiguration": {
               "RuleName": "string"
            },
            "KeywordMatchConfiguration": {
```

```
                "Keywords": [ "string" ],
                "Negate": boolean,
                "RuleName": "string"
            },
            "SentimentConfiguration": {
                "RuleName": "string",
                "SentimentType": "string",
                "TimePeriod": number
            },
            "Type": "string"
        }
    ]
  },
  "ResourceAccessRoleArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

identifier

The unique identifier for the resource to be updated. Valid values include the name and ARN of the media insights pipeline configuration.

Length Constraints: Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Elements

The elements in the request, such as a processor for Amazon Transcribe or a sink for a Kinesis Data Stream..

Type: Array of MediaInsightsPipelineConfigurationElement objects

Required: Yes

RealTimeAlertConfiguration

The configuration settings for real-time alerts for the media insights pipeline.

Type: RealTimeAlertConfiguration object

Required: No

ResourceAccessRoleArn

The ARN of the role used by the service to access AWS resources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "MediaInsightsPipelineConfiguration": {
      "CreatedTimestamp": "string",
      "Elements": [
         {
            "AmazonTranscribeCallAnalyticsProcessorConfiguration": {
               "CallAnalyticsStreamCategories": [ "string" ],
               "ContentIdentificationType": "string",
               "ContentRedactionType": "string",
               "EnablePartialResultsStabilization": boolean,
               "FilterPartialResults": boolean,
               "LanguageCode": "string",
               "LanguageModelName": "string",
               "PartialResultsStability": "string",
               "PiiEntityTypes": "string",
               "PostCallAnalyticsSettings": {
                  "ContentRedactionOutput": "string",
                  "DataAccessRoleArn": "string",
                  "OutputEncryptionKMSKeyId": "string",
```

```
                "OutputLocation": "string"
            },
            "VocabularyFilterMethod": "string",
            "VocabularyFilterName": "string",
            "VocabularyName": "string"
        },
        "AmazonTranscribeProcessorConfiguration": {
            "ContentIdentificationType": "string",
            "ContentRedactionType": "string",
            "EnablePartialResultsStabilization": boolean,
            "FilterPartialResults": boolean,
            "IdentifyLanguage": boolean,
            "IdentifyMultipleLanguages": boolean,
            "LanguageCode": "string",
            "LanguageModelName": "string",
            "LanguageOptions": "string",
            "PartialResultsStability": "string",
            "PiiEntityTypes": "string",
            "PreferredLanguage": "string",
            "ShowSpeakerLabel": boolean,
            "VocabularyFilterMethod": "string",
            "VocabularyFilterName": "string",
            "VocabularyFilterNames": "string",
            "VocabularyName": "string",
            "VocabularyNames": "string"
        },
        "KinesisDataStreamSinkConfiguration": {
            "InsightsTarget": "string"
        },
        "LambdaFunctionSinkConfiguration": {
            "InsightsTarget": "string"
        },
        "S3RecordingSinkConfiguration": {
            "Destination": "string",
            "RecordingFileFormat": "string"
        },
        "SnsTopicSinkConfiguration": {
            "InsightsTarget": "string"
        },
        "SqsQueueSinkConfiguration": {
            "InsightsTarget": "string"
        },
        "Type": "string",
        "VoiceAnalyticsProcessorConfiguration": {
```

```
                "SpeakerSearchStatus": "string",
                "VoiceToneAnalysisStatus": "string"
            },
            "VoiceEnhancementSinkConfiguration": {
                "Disabled": boolean
            }
        }
    ],
    "MediaInsightsPipelineConfigurationArn": "string",
    "MediaInsightsPipelineConfigurationId": "string",
    "MediaInsightsPipelineConfigurationName": "string",
    "RealTimeAlertConfiguration": {
        "Disabled": boolean,
        "Rules": [
            {
                "IssueDetectionConfiguration": {
                    "RuleName": "string"
                },
                "KeywordMatchConfiguration": {
                    "Keywords": [ "string" ],
                    "Negate": boolean,
                    "RuleName": "string"
                },
                "SentimentConfiguration": {
                    "RuleName": "string",
                    "SentimentType": "string",
                    "TimePeriod": number
                },
                "Type": "string"
            }
        ]
    },
    "ResourceAccessRoleArn": "string",
    "UpdatedTimestamp": "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MediaInsightsPipelineConfiguration

The updated configuration settings.

Type: MediaInsightsPipelineConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateMediaInsightsPipelineStatus

Service: Amazon Chime SDK Media Pipelines

Updates the status of a media insights pipeline.

Request Syntax

```
PUT /media-insights-pipeline-status/identifier HTTP/1.1
Content-type: application/json

{
   "UpdateStatus": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

identifier

The unique identifier of the resource to be updated. Valid values include the ID and ARN of the media insights pipeline.

Length Constraints: Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

UpdateStatus

The requested status of the media insights pipeline.

Type: String

Valid Values: `Pause` | `Resume`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateMediaPipelineKinesisVideoStreamPool

Service: Amazon Chime SDK Media Pipelines

Updates an Amazon Kinesis Video Stream pool in a media pipeline.

Request Syntax

```
PUT /media-pipeline-kinesis-video-stream-pools/identifier HTTP/1.1
Content-type: application/json

{
   "StreamConfiguration": {
      "DataRetentionInHours": number
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

identifier

The unique identifier of the requested resource. Valid values include the name and ARN of the media pipeline Kinesis Video Stream pool.

Length Constraints: Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

StreamConfiguration

The configuration settings for the video stream.

Type: KinesisVideoStreamConfigurationUpdate object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "KinesisVideoStreamPoolConfiguration": {
      "CreatedTimestamp": "string",
      "PoolArn": "string",
      "PoolId": "string",
      "PoolName": "string",
      "PoolSize": number,
      "PoolStatus": "string",
      "StreamConfiguration": {
         "DataRetentionInHours": number,
         "Region": "string"
      },
      "UpdatedTimestamp": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

KinesisVideoStreamPoolConfiguration

The video stream pool configuration object.

Type: KinesisVideoStreamPoolConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Amazon Chime SDK Meetings

The following actions are supported by Amazon Chime SDK Meetings:

- BatchCreateAttendee
- BatchUpdateAttendeeCapabilitiesExcept
- CreateAttendee
- CreateMeeting
- CreateMeetingWithAttendees
- DeleteAttendee
- DeleteMeeting
- GetAttendee
- GetMeeting
- ListAttendees
- ListTagsForResource
- StartMeetingTranscription
- StopMeetingTranscription
- TagResource
- UntagResource
- UpdateAttendeeCapabilities

BatchCreateAttendee

Service: Amazon Chime SDK Meetings

Creates up to 100 attendees for an active Amazon Chime SDK meeting. For more information about the Amazon Chime SDK, see Using the Amazon Chime SDK in the *Amazon Chime Developer Guide*.

Request Syntax

```
POST /meetings/MeetingId/attendees?operation=batch-create HTTP/1.1
Content-type: application/json

{
   "Attendees": [
      {
         "Capabilities": {
            "Audio": "string",
            "Content": "string",
            "Video": "string"
         },
         "ExternalUserId": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

MeetingId

The Amazon Chime SDK ID of the meeting to which you're adding attendees.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Attendees

The attendee information, including attendees' IDs and join tokens.

Type: Array of CreateAttendeeRequestItem objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Attendees": [
      {
         "AttendeeId": "string",
         "Capabilities": {
            "Audio": "string",
            "Content": "string",
            "Video": "string"
         },
         "ExternalUserId": "string",
         "JoinToken": "string"
      }
   ],
   "Errors": [
      {
         "ErrorCode": "string",
         "ErrorMessage": "string",
         "ExternalUserId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Attendees

The attendee information, including attendees' IDs and join tokens.

Type: Array of Attendee objects

Errors

If the action fails for one or more of the attendees in the request, a list of the attendees is returned, along with error codes and error messages.

Type: Array of CreateAttendeeError objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

LimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

UnprocessableEntityException

The request was well-formed but was unable to be followed due to semantic errors.

HTTP Status Code: 422

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

BatchUpdateAttendeeCapabilitiesExcept

Service: Amazon Chime SDK Meetings

Updates `AttendeeCapabilities` except the capabilities listed in an `ExcludedAttendeeIds` table.

> **Note**
>
> You use the capabilities with a set of values that control what the capabilities can do, such as `SendReceive` data. For more information about those values, see AttendeeCapabilities.

When using capabilities, be aware of these corner cases:

- If you specify `MeetingFeatures:Video:MaxResolution:None` when you create a meeting, all API requests that include `SendReceive`, `Send`, or `Receive` for `AttendeeCapabilities:Video` will be rejected with `ValidationError 400`.
- If you specify `MeetingFeatures:Content:MaxResolution:None` when you create a meeting, all API requests that include `SendReceive`, `Send`, or `Receive` for `AttendeeCapabilities:Content` will be rejected with `ValidationError 400`.
- You can't set `content` capabilities to `SendReceive` or `Receive` unless you also set `video` capabilities to `SendReceive` or `Receive`. If you don't set the `video` capability to receive, the response will contain an HTTP 400 Bad Request status code. However, you can set your `video` capability to receive and you set your `content` capability to not receive.
- If meeting features is defined as `Video:MaxResolution:None` but `Content:MaxResolution` is defined as something other than `None` and attendee capabilities are not defined in the API request, then the default attendee video capability is set to `Receive` and attendee content capability is set to `SendReceive`. This is because content `SendReceive` requires video to be at least `Receive`.
- When you change an `audio` capability from `None` or `Receive` to `Send` or `SendReceive` , and if the attendee left their microphone unmuted, audio will flow from the attendee to the other meeting participants.
- When you change a `video` or `content` capability from `None` or `Receive` to `Send` or `SendReceive` , and if the attendee turned on their video or content streams, remote attendees can receive those streams, but only after media renegotiation between the client and the Amazon Chime back-end server.

Request Syntax

```
PUT /meetings/MeetingId/attendees/capabilities?operation=batch-update-except HTTP/1.1
Content-type: application/json

{
   "Capabilities": {
      "Audio": "string",
      "Content": "string",
      "Video": "string"
   },
   "ExcludedAttendeeIds": [
      {
         "AttendeeId": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

MeetingId

The ID of the meeting associated with the update request.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Capabilities

The capabilities (`audio`, `video`, or `content`) that you want to update.

Type: AttendeeCapabilities object

Required: Yes

ExcludedAttendeeIds

The `AttendeeIDs` that you want to exclude from one or more capabilities.

Type: Array of AttendeeIdItem objects

Array Members: Minimum number of 1 item. Maximum number of 250 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request have been made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateAttendee

Service: Amazon Chime SDK Meetings

Creates a new attendee for an active Amazon Chime SDK meeting. For more information about the Amazon Chime SDK, see Using the Amazon Chime SDK in the *Amazon Chime Developer Guide*.

Request Syntax

```
POST /meetings/MeetingId/attendees HTTP/1.1
Content-type: application/json

{
   "Capabilities": {
      "Audio": "string",
      "Content": "string",
      "Video": "string"
   },
   "ExternalUserId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

MeetingId

The unique ID of the meeting.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Capabilities

The capabilities (`audio`, `video`, or `content`) that you want to grant an attendee. If you don't specify capabilities, all users have send and receive capabilities on all media channels by default.

> **Note**
>
> You use the capabilities with a set of values that control what the capabilities can do, such as `SendReceive` data. For more information about those values, see AttendeeCapabilities.

When using capabilities, be aware of these corner cases:

- If you specify `MeetingFeatures:Video:MaxResolution:None` when you create a meeting, all API requests that include `SendReceive`, `Send`, or `Receive` for `AttendeeCapabilities:Video` will be rejected with `ValidationError 400`.
- If you specify `MeetingFeatures:Content:MaxResolution:None` when you create a meeting, all API requests that include `SendReceive`, `Send`, or `Receive` for `AttendeeCapabilities:Content` will be rejected with `ValidationError 400`.
- You can't set `content` capabilities to `SendReceive` or `Receive` unless you also set `video` capabilities to `SendReceive` or `Receive`. If you don't set the `video` capability to receive, the response will contain an HTTP 400 Bad Request status code. However, you can set your `video` capability to receive and you set your `content` capability to not receive.
- If meeting features is defined as `Video:MaxResolution:None` but `Content:MaxResolution` is defined as something other than `None` and attendee capabilities are not defined in the API request, then the default attendee video capability is set to `Receive` and attendee content capability is set to `SendReceive`. This is because content `SendReceive` requires video to be at least `Receive`.
- When you change an `audio` capability from `None` or `Receive` to `Send` or `SendReceive` , and if the attendee left their microphone unmuted, audio will flow from the attendee to the other meeting participants.
- When you change a `video` or `content` capability from `None` or `Receive` to `Send` or `SendReceive` , and if the attendee turned on their video or content streams, remote attendees can receive those streams, but only after media renegotiation between the client and the Amazon Chime back-end server.

Type: AttendeeCapabilities object

Required: No

ExternalUserId

The Amazon Chime SDK external user ID. An idempotency token. Links the attendee to an identity managed by a builder application.

Pattern: `[-_&@+=,(){}\[\]\/«».:|'"#a-zA-Z0-9À-ÿ\s]*`

Values that begin with `aws:` are reserved. You can't configure a value that uses this prefix.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Attendee": {
      "AttendeeId": "string",
      "Capabilities": {
         "Audio": "string",
         "Content": "string",
         "Video": "string"
      },
      "ExternalUserId": "string",
      "JoinToken": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Attendee

The attendee information, including attendee ID and join token.

Type: Attendee object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

LimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

UnprocessableEntityException

The request was well-formed but was unable to be followed due to semantic errors.

HTTP Status Code: 422

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateMeeting

Service: Amazon Chime SDK Meetings

Creates a new Amazon Chime SDK meeting in the specified media Region with no initial attendees. For more information about specifying media Regions, see Available Regions and Using meeting Regions, both in the *Amazon Chime SDK Developer Guide*. For more information about the Amazon Chime SDK, see Using the Amazon Chime SDK in the *Amazon Chime SDK Developer Guide*.

> **Note**
>
> If you use this API in conjuction with the AudioFeatures and VideoFeatures APIs, and you don't specify the `MeetingFeatures.Content.MaxResolution` or `MeetingFeatures.Video.MaxResolution` parameters, the following defaults are used:
>
> - Content.MaxResolution: FHD
> - Video.MaxResolution: HD

Request Syntax

```
POST /meetings HTTP/1.1
Content-type: application/json

{
   "ClientRequestToken": "string",
   "ExternalMeetingId": "string",
   "MediaRegion": "string",
   "MeetingFeatures": {
      "Attendee": {
         "MaxCount": number
      },
      "Audio": {
         "EchoReduction": "string"
      },
      "Content": {
         "MaxResolution": "string"
      },
      "Video": {
         "MaxResolution": "string"
      }
   },
```

```
    "MeetingHostId": "string",
    "NotificationsConfiguration": {
       "LambdaFunctionArn": "string",
       "SnsTopicArn": "string",
       "SqsQueueArn": "string"
    },
    "PrimaryMeetingId": "string",
    "Tags": [
       {
          "Key": "string",
          "Value": "string"
       }
    ],
    "TenantIds": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientRequestToken

The unique identifier for the client request. Use a different token for different meetings.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

ExternalMeetingId

The external meeting ID.

Pattern: `[-_&@+=,(){}\[\]\/«».:|'"#a-zA-Z0-9À-ÿ\s]*`

Values that begin with `aws:` are reserved. You can't configure a value that uses this prefix. Case insensitive.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: Yes

MediaRegion

The Region in which to create the meeting.

Available values: `af-south-1`, `ap-northeast-1`, `ap-northeast-2`, `ap-south-1`, `ap-southeast-1`, `ap-southeast-2`, `ca-central-1`, `eu-central-1`, `eu-north-1`, `eu-south-1`, `eu-west-1`, `eu-west-2`, `eu-west-3`, `sa-east-1`, `us-east-1`, `us-east-2`, `us-west-1`, `us-west-2`.

Available values in AWS GovCloud (US) Regions: `us-gov-east-1`, `us-gov-west-1`.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: Yes

MeetingFeatures

Lists the audio and video features enabled for a meeting, such as echo reduction.

Type: MeetingFeaturesConfiguration object

Required: No

MeetingHostId

Reserved.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: No

NotificationsConfiguration

The configuration for resource targets to receive notifications when meeting and attendee events occur.

Type: NotificationsConfiguration object

Required: No

PrimaryMeetingId

When specified, replicates the media from the primary meeting to the new meeting.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: No

Tags

Applies one or more tags to an Amazon Chime SDK meeting. Note the following:

- Not all resources have tags. For a list of services with resources that support tagging using this operation, see Services that support the Resource Groups Tagging API. If the resource doesn't yet support this operation, the resource's service might support tagging using its own API operations. For more information, refer to the documentation for that service.
- Each resource can have up to 50 tags. For other limits, see Tag Naming and Usage Conventions in the *AWS General Reference*.
- You can only tag resources that are located in the specified AWS Region for the AWS account.
- To add tags to a resource, you need the necessary permissions for the service that the resource belongs to as well as permissions for adding tags. For more information, see the documentation for each service.

> **Important**
>
> Do not store personally identifiable information (PII) or other confidential or sensitive information in tags. We use tags to provide you with billing and administration services. Tags are not intended to be used for private or sensitive data.

Minimum permissions

In addition to the `tag:TagResources` permission required by this operation, you must also have the tagging permission defined by the service that created the resource. For example, to tag a `ChimeSDKMeetings` instance using the `TagResources` operation, you must have both of the following permissions:

`tag:TagResources`

`ChimeSDKMeetings:CreateTags`

> **Note**
>
> Some services might have specific requirements for tagging some resources. For example, to tag an Amazon S3 bucket, you must also have the `s3:GetBucketTagging` permission. If the expected minimum permissions don't work, check the documentation for that service's tagging APIs for more information.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

TenantIds

A consistent and opaque identifier, created and maintained by the builder to represent a segment of their users.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 2. Maximum length of 256.

Pattern: `^(?!.*?(.)\1{3})[-_!@#$a-zA-Z0-9]*$`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Meeting": {
      "ExternalMeetingId": "string",
```

```
        "MediaPlacement": {
           "AudioFallbackUrl": "string",
           "AudioHostUrl": "string",
           "EventIngestionUrl": "string",
           "ScreenDataUrl": "string",
           "ScreenSharingUrl": "string",
           "ScreenViewingUrl": "string",
           "SignalingUrl": "string",
           "TurnControlUrl": "string"
        },
        "MediaRegion": "string",
        "MeetingArn": "string",
        "MeetingFeatures": {
           "Attendee": {
              "MaxCount": number
           },
           "Audio": {
              "EchoReduction": "string"
           },
           "Content": {
              "MaxResolution": "string"
           },
           "Video": {
              "MaxResolution": "string"
           }
        },
        "MeetingHostId": "string",
        "MeetingId": "string",
        "PrimaryMeetingId": "string",
        "TenantIds": [ "string" ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Meeting

The meeting information, including the meeting ID and `MediaPlacement`.

Type: Meeting object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request have been made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

LimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateMeetingWithAttendees

Service: Amazon Chime SDK Meetings

Creates a new Amazon Chime SDK meeting in the specified media Region, with attendees. For more information about specifying media Regions, see Available Regions and Using meeting Regions, both in the *Amazon Chime SDK Developer Guide*. For more information about the Amazon Chime SDK, see Using the Amazon Chime SDK in the *Amazon Chime SDK Developer Guide*.

> **Note**
>
> If you use this API in conjuction with the AudioFeatures and VideoFeatures APIs, and you don't specify the `MeetingFeatures.Content.MaxResolution` or `MeetingFeatures.Video.MaxResolution` parameters, the following defaults are used:
>
> - Content.MaxResolution: FHD
> - Video.MaxResolution: HD

Request Syntax

```
POST /meetings?operation=create-attendees HTTP/1.1
Content-type: application/json

{
   "Attendees": [
      {
         "Capabilities": {
            "Audio": "string",
            "Content": "string",
            "Video": "string"
         },
         "ExternalUserId": "string"
      }
   ],
   "ClientRequestToken": "string",
   "ExternalMeetingId": "string",
   "MediaRegion": "string",
   "MeetingFeatures": {
      "Attendee": {
         "MaxCount": number
      },
```

```
        "Audio": {
           "EchoReduction": "string"
        },
        "Content": {
           "MaxResolution": "string"
        },
        "Video": {
           "MaxResolution": "string"
        }
    },
    "MeetingHostId": "string",
    "NotificationsConfiguration": {
        "LambdaFunctionArn": "string",
        "SnsTopicArn": "string",
        "SqsQueueArn": "string"
    },
    "PrimaryMeetingId": "string",
    "Tags": [
        {
           "Key": "string",
           "Value": "string"
        }
    ],
    "TenantIds": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Attendees

The attendee information, including attendees' IDs and join tokens.

Type: Array of CreateAttendeeRequestItem objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: Yes

ClientRequestToken

The unique identifier for the client request. Use a different token for different meetings.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

ExternalMeetingId

The external meeting ID.

Pattern: `[-_&@+=,(){}\[\]\/«».:|'"#a-zA-Z0-9À-ÿ\s]*`

Values that begin with `aws:` are reserved. You can't configure a value that uses this prefix. Case insensitive.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: Yes

MediaRegion

The Region in which to create the meeting.

Available values: `af-south-1`, `ap-northeast-1`, `ap-northeast-2`, `ap-south-1`, `ap-southeast-1`, `ap-southeast-2`, `ca-central-1`, `eu-central-1`, `eu-north-1`, `eu-south-1`, `eu-west-1`, `eu-west-2`, `eu-west-3`, `sa-east-1`, `us-east-1`, `us-east-2`, `us-west-1`, `us-west-2`.

Available values in AWS GovCloud (US) Regions: `us-gov-east-1`, `us-gov-west-1`.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: Yes

MeetingFeatures

Lists the audio and video features enabled for a meeting, such as echo reduction.

Type: MeetingFeaturesConfiguration object

Required: No

MeetingHostId

Reserved.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: No

NotificationsConfiguration

The configuration for resource targets to receive notifications when meeting and attendee events occur.

Type: NotificationsConfiguration object

Required: No

PrimaryMeetingId

When specified, replicates the media from the primary meeting to the new meeting.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: No

Tags

The tags in the request.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

TenantIds

A consistent and opaque identifier, created and maintained by the builder to represent a segment of their users.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 2. Maximum length of 256.

Pattern: `^(?!.*?(.)\1{3})[-_!@#$a-zA-Z0-9]*$`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Attendees": [
      {
         "AttendeeId": "string",
         "Capabilities": {
            "Audio": "string",
            "Content": "string",
            "Video": "string"
         },
         "ExternalUserId": "string",
         "JoinToken": "string"
      }
   ],
   "Errors": [
      {
         "ErrorCode": "string",
         "ErrorMessage": "string",
         "ExternalUserId": "string"
      }
   ],
   "Meeting": {
      "ExternalMeetingId": "string",
```

```
        "MediaPlacement": {
           "AudioFallbackUrl": "string",
           "AudioHostUrl": "string",
           "EventIngestionUrl": "string",
           "ScreenDataUrl": "string",
           "ScreenSharingUrl": "string",
           "ScreenViewingUrl": "string",
           "SignalingUrl": "string",
           "TurnControlUrl": "string"
        },
        "MediaRegion": "string",
        "MeetingArn": "string",
        "MeetingFeatures": {
           "Attendee": {
              "MaxCount": number
           },
           "Audio": {
              "EchoReduction": "string"
           },
           "Content": {
              "MaxResolution": "string"
           },
           "Video": {
              "MaxResolution": "string"
           }
        },
        "MeetingHostId": "string",
        "MeetingId": "string",
        "PrimaryMeetingId": "string",
        "TenantIds": [ "string" ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Attendees

The attendee information, including attendees' IDs and join tokens.

Type: Array of Attendee objects

Errors

If the action fails for one or more of the attendees in the request, a list of the attendees is returned, along with error codes and error messages.

Type: Array of CreateAttendeeError objects

Meeting

The meeting information, including the meeting ID and `MediaPlacement`.

Type: Meeting object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request have been made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

LimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteAttendee

Service: Amazon Chime SDK Meetings

Deletes an attendee from the specified Amazon Chime SDK meeting and deletes their `JoinToken`. Attendees are automatically deleted when a Amazon Chime SDK meeting is deleted. For more information about the Amazon Chime SDK, see Using the Amazon Chime SDK in the *Amazon Chime Developer Guide*.

Request Syntax

```
DELETE /meetings/MeetingId/attendees/AttendeeId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AttendeeId

The Amazon Chime SDK attendee ID.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

MeetingId

The Amazon Chime SDK meeting ID.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteMeeting

Service: Amazon Chime SDK Meetings

Deletes the specified Amazon Chime SDK meeting. The operation deletes all attendees, disconnects all clients, and prevents new clients from joining the meeting. For more information about the Amazon Chime SDK, see Using the Amazon Chime SDK in the *Amazon Chime Developer Guide*.

Request Syntax

```
DELETE /meetings/MeetingId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MeetingId

The Amazon Chime SDK meeting ID.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetAttendee

Service: Amazon Chime SDK Meetings

Gets the Amazon Chime SDK attendee details for a specified meeting ID and attendee ID. For more information about the Amazon Chime SDK, see Using the Amazon Chime SDK in the *Amazon Chime Developer Guide*.

Request Syntax

```
GET /meetings/MeetingId/attendees/AttendeeId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AttendeeId

The Amazon Chime SDK attendee ID.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

MeetingId

The Amazon Chime SDK meeting ID.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
    "Attendee": {
       "AttendeeId": "string",
       "Capabilities": {
          "Audio": "string",
          "Content": "string",
          "Video": "string"
       },
       "ExternalUserId": "string",
       "JoinToken": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Attendee

The Amazon Chime SDK attendee information.

Type: Attendee object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetMeeting

Service: Amazon Chime SDK Meetings

Gets the Amazon Chime SDK meeting details for the specified meeting ID. For more information about the Amazon Chime SDK, see Using the Amazon Chime SDK in the *Amazon Chime Developer Guide*.

Request Syntax

```
GET /meetings/MeetingId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MeetingId

The Amazon Chime SDK meeting ID.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Meeting": {
      "ExternalMeetingId": "string",
      "MediaPlacement": {
         "AudioFallbackUrl": "string",
         "AudioHostUrl": "string",
         "EventIngestionUrl": "string",
         "ScreenDataUrl": "string",
```

```
            "ScreenSharingUrl": "string",
            "ScreenViewingUrl": "string",
            "SignalingUrl": "string",
            "TurnControlUrl": "string"
        },
        "MediaRegion": "string",
        "MeetingArn": "string",
        "MeetingFeatures": {
            "Attendee": {
                "MaxCount": number
            },
            "Audio": {
                "EchoReduction": "string"
            },
            "Content": {
                "MaxResolution": "string"
            },
            "Video": {
                "MaxResolution": "string"
            }
        },
        "MeetingHostId": "string",
        "MeetingId": "string",
        "PrimaryMeetingId": "string",
        "TenantIds": [ "string" ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Meeting

The Amazon Chime SDK meeting information.

Type: Meeting object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListAttendees

Service: Amazon Chime SDK Meetings

Lists the attendees for the specified Amazon Chime SDK meeting. For more information about the Amazon Chime SDK, see Using the Amazon Chime SDK in the *Amazon Chime Developer Guide*.

Request Syntax

```
GET /meetings/MeetingId/attendees?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return in a single call.

Valid Range: Minimum value of 1. Maximum value of 100.

MeetingId

The Amazon Chime SDK meeting ID.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

NextToken

The token to use to retrieve the next page of results.

Length Constraints: Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "Attendees": [
      {
         "AttendeeId": "string",
         "Capabilities": {
            "Audio": "string",
            "Content": "string",
            "Video": "string"
         },
         "ExternalUserId": "string",
         "JoinToken": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Attendees

The Amazon Chime SDK attendee information.

Type: Array of Attendee objects

NextToken

The token to use to retrieve the next page of results.

Type: String

Length Constraints: Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListTagsForResource

Service: Amazon Chime SDK Meetings

Returns a list of the tags available for the specified resource.

Request Syntax

```
GET /tags?arn=ResourceARN HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceARN

The ARN of the resource.

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `^arn:.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Tags

The tags requested for the specified resource.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

LimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ResourceNotFoundException

The resource that you want to tag couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StartMeetingTranscription

Service: Amazon Chime SDK Meetings

Starts transcription for the specified `meetingId`. For more information, refer to Using Amazon Chime SDK live transcription in the *Amazon Chime SDK Developer Guide*.

If you specify an invalid configuration, a `TranscriptFailed` event will be sent with the contents of the `BadRequestException` generated by Amazon Transcribe. For more information on each parameter and which combinations are valid, refer to the StartStreamTranscription API in the *Amazon Transcribe Developer Guide*.

> **Note**
>
> By default, Amazon Transcribe may use and store audio content processed by the service to develop and improve AWS AI/ML services as further described in section 50 of the AWS Service Terms. Using Amazon Transcribe may be subject to federal and state laws or regulations regarding the recording or interception of electronic communications. It is your and your end users' responsibility to comply with all applicable laws regarding the recording, including properly notifying all participants in a recorded session or communication that the session or communication is being recorded, and obtaining all necessary consents. You can opt out from AWS using audio content to develop and improve AWS AI/ML services by configuring an AI services opt out policy using AWS Organizations.

Request Syntax

```
POST /meetings/MeetingId/transcription?operation=start HTTP/1.1
Content-type: application/json

{
   "TranscriptionConfiguration": {
      "EngineTranscribeMedicalSettings": {
         "ContentIdentificationType": "string",
         "LanguageCode": "string",
         "Region": "string",
         "Specialty": "string",
         "Type": "string",
         "VocabularyName": "string"
      },
      "EngineTranscribeSettings": {
```

```
            "ContentIdentificationType": "string",
            "ContentRedactionType": "string",
            "EnablePartialResultsStabilization": boolean,
            "IdentifyLanguage": boolean,
            "LanguageCode": "string",
            "LanguageModelName": "string",
            "LanguageOptions": "string",
            "PartialResultsStability": "string",
            "PiiEntityTypes": "string",
            "PreferredLanguage": "string",
            "Region": "string",
            "VocabularyFilterMethod": "string",
            "VocabularyFilterName": "string",
            "VocabularyFilterNames": "string",
            "VocabularyName": "string",
            "VocabularyNames": "string"
        }
    }
}
```

URI Request Parameters

The request uses the following URI parameters.

MeetingId

The unique ID of the meeting being transcribed.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

TranscriptionConfiguration

The configuration for the current transcription operation. Must contain `EngineTranscribeSettings` or `EngineTranscribeMedicalSettings`.

Type: TranscriptionConfiguration object

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

LimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

UnprocessableEntityException

The request was well-formed but was unable to be followed due to semantic errors.

HTTP Status Code: 422

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StopMeetingTranscription

Service: Amazon Chime SDK Meetings

Stops transcription for the specified `meetingId`. For more information, refer to Using Amazon Chime SDK live transcription in the *Amazon Chime SDK Developer Guide*.

> **Important**
>
> By default, Amazon Transcribe may use and store audio content processed by the service to develop and improve AWS AI/ML services as further described in section 50 of the AWS Service Terms. Using Amazon Transcribe may be subject to federal and state laws or regulations regarding the recording or interception of electronic communications. It is your and your end users' responsibility to comply with all applicable laws regarding the recording, including properly notifying all participants in a recorded session or communication that the session or communication is being recorded, and obtaining all necessary consents. You can opt out from AWS using audio content to develop and improve AWS AI/ML services by configuring an AI services opt out policy using AWS Organizations.

Request Syntax

```
POST /meetings/MeetingId/transcription?operation=stop HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MeetingId

The unique ID of the meeting for which you stop transcription.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

UnprocessableEntityException

The request was well-formed but was unable to be followed due to semantic errors.

HTTP Status Code: 422

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

Service: Amazon Chime SDK Meetings

The resource that supports tags.

Request Syntax

```
POST /tags?operation=tag-resource HTTP/1.1
Content-type: application/json

{
   "ResourceARN": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ResourceARN

The ARN of the resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `^arn:.*`

Required: Yes

Tags

Lists the requested tags.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

LimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ResourceNotFoundException

The resource that you want to tag couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

TooManyTagsException

Too many tags were added to the specified resource.

HTTP Status Code: 400

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UntagResource

Service: Amazon Chime SDK Meetings

Removes the specified tags from the specified resources. When you specify a tag key, the action removes both that key and its associated value. The operation succeeds even if you attempt to remove tags from a resource that were already removed. Note the following:

- To remove tags from a resource, you need the necessary permissions for the service that the resource belongs to as well as permissions for removing tags. For more information, see the documentation for the service whose resource you want to untag.
- You can only tag resources that are located in the specified AWS Region for the calling AWS account.

Minimum permissions

In addition to the `tag:UntagResources` permission required by this operation, you must also have the remove tags permission defined by the service that created the resource. For example, to remove the tags from an Amazon EC2 instance using the `UntagResources` operation, you must have both of the following permissions:

`tag:UntagResource`

`ChimeSDKMeetings:DeleteTags`

Request Syntax

```
POST /tags?operation=untag-resource HTTP/1.1
Content-type: application/json

{
   "ResourceARN": "string",
   "TagKeys": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ResourceARN

The ARN of the resource that you're removing tags from.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `^arn:.*`

Required: Yes

TagKeys

The tag keys being removed from the resources.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[a-zA-Z+-=._:/]+$`

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

LimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ResourceNotFoundException

The resource that you want to tag couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateAttendeeCapabilities

Service: Amazon Chime SDK Meetings

The capabilities that you want to update.

> **Note**
>
> You use the capabilities with a set of values that control what the capabilities can do, such as `SendReceive` data. For more information about those values, see AttendeeCapabilities.

When using capabilities, be aware of these corner cases:

- If you specify `MeetingFeatures:Video:MaxResolution:None` when you create a meeting, all API requests that include `SendReceive`, `Send`, or `Receive` for `AttendeeCapabilities:Video` will be rejected with `ValidationError 400`.
- If you specify `MeetingFeatures:Content:MaxResolution:None` when you create a meeting, all API requests that include `SendReceive`, `Send`, or `Receive` for `AttendeeCapabilities:Content` will be rejected with `ValidationError 400`.
- You can't set `content` capabilities to `SendReceive` or `Receive` unless you also set `video` capabilities to `SendReceive` or `Receive`. If you don't set the `video` capability to receive, the response will contain an HTTP 400 Bad Request status code. However, you can set your `video` capability to receive and you set your `content` capability to not receive.
- If meeting features is defined as `Video:MaxResolution:None` but `Content:MaxResolution` is defined as something other than `None` and attendee capabilities are not defined in the API request, then the default attendee video capability is set to `Receive` and attendee content capability is set to `SendReceive`. This is because content `SendReceive` requires video to be at least `Receive`.
- When you change an `audio` capability from `None` or `Receive` to `Send` or `SendReceive` , and if the attendee left their microphone unmuted, audio will flow from the attendee to the other meeting participants.
- When you change a `video` or `content` capability from `None` or `Receive` to `Send` or `SendReceive` , and if the attendee turned on their video or content streams, remote attendees can receive those streams, but only after media renegotiation between the client and the Amazon Chime back-end server.

Request Syntax

```
PUT /meetings/MeetingId/attendees/AttendeeId/capabilities HTTP/1.1
Content-type: application/json

{
   "Capabilities": {
      "Audio": "string",
      "Content": "string",
      "Video": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AttendeeId

The ID of the attendee associated with the update request.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

MeetingId

The ID of the meeting associated with the update request.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Capabilities

The capabilities that you want to update.

Type: AttendeeCapabilities object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Attendee": {
      "AttendeeId": "string",
      "Capabilities": {
         "Audio": "string",
         "Content": "string",
         "Video": "string"
      },
      "ExternalUserId": "string",
      "JoinToken": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Attendee

The updated attendee data.

Type: Attendee object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request have been made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottlingException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedException

The user isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Amazon Chime SDK Messaging

The following actions are supported by Amazon Chime SDK Messaging:

- AssociateChannelFlow
- BatchCreateChannelMembership
- ChannelFlowCallback
- CreateChannel
- CreateChannelBan
- CreateChannelFlow
- CreateChannelMembership
- CreateChannelModerator
- DeleteChannel
- DeleteChannelBan
- DeleteChannelFlow
- DeleteChannelMembership
- DeleteChannelMessage
- DeleteChannelModerator
- DeleteMessagingStreamingConfigurations
- DescribeChannel

- DescribeChannelBan
- DescribeChannelFlow
- DescribeChannelMembership
- DescribeChannelMembershipForAppInstanceUser
- DescribeChannelModeratedByAppInstanceUser
- DescribeChannelModerator
- DisassociateChannelFlow
- GetChannelMembershipPreferences
- GetChannelMessage
- GetChannelMessageStatus
- GetMessagingSessionEndpoint
- GetMessagingStreamingConfigurations
- ListChannelBans
- ListChannelFlows
- ListChannelMemberships
- ListChannelMembershipsForAppInstanceUser
- ListChannelMessages
- ListChannelModerators
- ListChannels
- ListChannelsAssociatedWithChannelFlow
- ListChannelsModeratedByAppInstanceUser
- ListSubChannels
- ListTagsForResource
- PutChannelExpirationSettings
- PutChannelMembershipPreferences
- PutMessagingStreamingConfigurations
- RedactChannelMessage
- SearchChannels
- SendChannelMessage
- TagResource

- UntagResource
- UpdateChannel
- UpdateChannelFlow
- UpdateChannelMessage
- UpdateChannelReadMarker

AssociateChannelFlow

Service: Amazon Chime SDK Messaging

Associates a channel flow with a channel. Once associated, all messages to that channel go through channel flow processors. To stop processing, use the `DisassociateChannelFlow` API.

> **Note**
>
> Only administrators or channel moderators can associate a channel flow. The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
PUT /channels/channelArn/channel-flow HTTP/1.1
x-amz-chime-bearer: ChimeBearer
Content-type: application/json

{
   "ChannelFlowArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The `AppInstanceUserArn` of the user making the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ChannelFlowArn

The ARN of the channel flow.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

BatchCreateChannelMembership

Service: Amazon Chime SDK Messaging

Adds a specified number of users and bots to a channel.

Request Syntax

```
POST /channels/channelArn/memberships?operation=batch-create HTTP/1.1
x-amz-chime-bearer: ChimeBearer
Content-type: application/json

{
   "MemberArns": [ "string" ],
   "SubChannelId": "string",
   "Type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel to which you're adding users or bots.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

MemberArns

The ARNs of the members you want to add to the channel. Only `AppInstanceUsers` and `AppInstanceBots` can be added as a channel member.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

SubChannelId

The ID of the SubChannel in the request.

> **Note**
> Only required when creating membership in a SubChannel for a moderator in an elastic channel.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Type

The membership type of a user, `DEFAULT` or `HIDDEN`. Default members are always returned as part of `ListChannelMemberships`. Hidden members are only returned if the type filter in

`ListChannelMemberships` equals `HIDDEN`. Otherwise hidden members are not returned. This is only supported by moderators.

Type: String

Valid Values: `DEFAULT | HIDDEN`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BatchChannelMemberships": {
      "ChannelArn": "string",
      "InvitedBy": {
         "Arn": "string",
         "Name": "string"
      },
      "Members": [
         {
            "Arn": "string",
            "Name": "string"
         }
      ],
      "SubChannelId": "string",
      "Type": "string"
   },
   "Errors": [
      {
         "ErrorCode": "string",
         "ErrorMessage": "string",
         "MemberArn": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BatchChannelMemberships

The list of channel memberships in the response.

Type: BatchChannelMemberships object

Errors

If the action fails for one or more of the memberships in the request, a list of the memberships is returned, along with error codes and error messages.

Type: Array of BatchCreateChannelMembershipError objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ChannelFlowCallback

Service: Amazon Chime SDK Messaging

Calls back Amazon Chime SDK messaging with a processing response message. This should be invoked from the processor Lambda. This is a developer API.

You can return one of the following processing responses:

- Update message content or metadata
- Deny a message
- Make no changes to the message

Request Syntax

```
POST /channels/{channelArn}?operation=channel-flow-callback HTTP/1.1
Content-type: application/json

{
   "CallbackId": "string",
   "ChannelMessage": {
      "Content": "string",
      "ContentType": "string",
      "MessageAttributes": {
         "string" : {
            "StringValues": [ "string" ]
         }
      },
      "MessageId": "string",
      "Metadata": "string",
      "PushNotification": {
         "Body": "string",
         "Title": "string",
         "Type": "string"
      },
      "SubChannelId": "string"
   },
   "DeleteResource": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

CallbackId

The identifier passed to the processor by the service when invoked. Use the identifier to call back the service.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 64.

Required: Yes

ChannelMessage

Stores information about the processed message.

Type: ChannelMessageCallback object

Required: Yes

DeleteResource

When a processor determines that a message needs to be `DENIED`, pass this parameter with a value of true.

Type: Boolean

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CallbackId": "string",
   "ChannelArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CallbackId

The call back ID passed in the request.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 64.

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateChannel

Service: Amazon Chime SDK Messaging

Creates a channel to which you can add users and send messages.

Restriction: You can't change a channel's privacy.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
POST /channels HTTP/1.1
x-amz-chime-bearer: ChimeBearer
Content-type: application/json

{
   "AppInstanceArn": "string",
   "ChannelId": "string",
   "ClientRequestToken": "string",
   "ElasticChannelConfiguration": {
      "MaximumSubChannels": number,
      "MinimumMembershipPercentage": number,
      "TargetMembershipsPerSubChannel": number
   },
   "ExpirationSettings": {
      "ExpirationCriterion": "string",
      "ExpirationDays": number
   },
   "MemberArns": [ "string" ],
   "Metadata": "string",
   "Mode": "string",
   "ModeratorArns": [ "string" ],
   "Name": "string",
   "Privacy": "string",
   "Tags": [
      {
         "Key": "string",
```

```
            "Value": "string"
        }
    ]
}
```

URI Request Parameters

The request uses the following URI parameters.

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AppInstanceArn

The ARN of the channel request.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChannelId

An ID for the channel being created. If you do not specify an ID, a UUID will be created for the channel.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[A-Za-z0-9]([A-Za-z0-9\:\-\_\.\@]{0,62}[A-Za-z0-9])?`

Required: No

ClientRequestToken

The client token for the request. An `Idempotency` token.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

ElasticChannelConfiguration

The attributes required to configure and create an elastic channel. An elastic channel can support a maximum of 1-million users, excluding moderators.

Type: ElasticChannelConfiguration object

Required: No

ExpirationSettings

Settings that control the interval after which the channel is automatically deleted.

Type: ExpirationSettings object

Required: No

MemberArns

The ARNs of the channel members in the request.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

Metadata

The metadata of the creation request. Limited to 1KB and UTF-8.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Mode

The channel mode: `UNRESTRICTED` or `RESTRICTED`. Administrators, moderators, and channel members can add themselves and other members to unrestricted channels. Only administrators and moderators can add members to restricted channels.

Type: String

Valid Values: `UNRESTRICTED | RESTRICTED`

Required: No

ModeratorArns

The ARNs of the channel moderators in the request.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

Name

The name of the channel.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: Yes

Privacy

The channel's privacy level: `PUBLIC` or `PRIVATE`. Private channels aren't discoverable by users outside the channel. Public channels are discoverable by anyone in the `AppInstance`.

Type: String

Valid Values: `PUBLIC | PRIVATE`

Required: No

Tags

The tags for the creation request.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "ChannelArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateChannelBan

Service: Amazon Chime SDK Messaging

Permanently bans a member from a channel. Moderators can't add banned members to a channel. To undo a ban, you first have to `DeleteChannelBan`, and then `CreateChannelMembership`. Bans are cleaned up when you delete users or channels.

If you ban a user who is already part of a channel, that user is automatically kicked from the channel.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
POST /channels/channelArn/bans HTTP/1.1
x-amz-chime-bearer: ChimeBearer
Content-type: application/json

{
   "MemberArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the ban request.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

MemberArn

The `AppInstanceUserArn` of the member being banned.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "ChannelArn": "string",
   "Member": {
      "Arn": "string",
      "Name": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the response to the ban request.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Member

The `ChannelArn` and `BannedIdentity` of the member in the ban response.

Type: Identity object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateChannelFlow

Service: Amazon Chime SDK Messaging

Creates a channel flow, a container for processors. Processors are AWS Lambda functions that perform actions on chat messages, such as stripping out profanity. You can associate channel flows with channels, and the processors in the channel flow then take action on all messages sent to that channel. This is a developer API.

Channel flows process the following items:

1. New and updated messages
2. Persistent and non-persistent messages
3. The Standard message type

> **Note**
>
> Channel flows don't process Control or System messages. For more information about the message types provided by Chime SDK messaging, refer to Message types in the *Amazon Chime developer guide*.

Request Syntax

```
POST /channel-flows HTTP/1.1
Content-type: application/json

{
   "AppInstanceArn": "string",
   "ClientRequestToken": "string",
   "Name": "string",
   "Processors": [
      {
         "Configuration": {
            "Lambda": {
               "InvocationType": "string",
               "ResourceArn": "string"
            }
         },
         "ExecutionOrder": number,
```

```
            "FallbackAction": "string",
            "Name": "string"
        }
    ],
    "Tags": [
        {
            "Key": "string",
            "Value": "string"
        }
    ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AppInstanceArn

The ARN of the channel flow request.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ClientRequestToken

The client token for the request. An Idempotency token.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

Name

The name of the channel flow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: Yes

Processors

Information about the processor Lambda functions.

Type: Array of Processor objects

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Required: Yes

Tags

The tags for the creation request.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "ChannelFlowArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

ChannelFlowArn

The ARN of the channel flow.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateChannelMembership

Service: Amazon Chime SDK Messaging

Adds a member to a channel. The `InvitedBy` field in `ChannelMembership` is derived from the request header. A channel member can:

- List messages
- Send messages
- Receive messages
- Edit their own messages
- Leave the channel

Privacy settings impact this action as follows:

- Public Channels: You do not need to be a member to list messages, but you must be a member to send messages.
- Private Channels: You must be a member to list or send messages.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUserArn` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
POST /channels/channelArn/memberships HTTP/1.1
x-amz-chime-bearer: ChimeBearer
Content-type: application/json

{
   "MemberArn": "string",
   "SubChannelId": "string",
   "Type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel to which you're adding users.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

MemberArn

The `AppInstanceUserArn` of the member you want to add to the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

SubChannelId

The ID of the SubChannel in the request.

> **Note**
>
> Only required when creating membership in a SubChannel for a moderator in an elastic channel.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Type

The membership type of a user, `DEFAULT` or `HIDDEN`. Default members are always returned as part of `ListChannelMemberships`. Hidden members are only returned if the type filter in `ListChannelMemberships` equals `HIDDEN`. Otherwise hidden members are not returned. This is only supported by moderators.

Type: String

Valid Values: `DEFAULT | HIDDEN`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "ChannelArn": "string",
   "Member": {
      "Arn": "string",
      "Name": "string"
   },
```

```
    "SubChannelId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Member

The ARN and metadata of the member being added.

Type: Identity object

SubChannelId

The ID of the SubChannel in the response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateChannelModerator

Service: Amazon Chime SDK Messaging

Creates a new `ChannelModerator`. A channel moderator can:

- Add and remove other members of the channel.
- Add and remove other moderators of the channel.
- Add and remove user bans for the channel.
- Redact messages in the channel.
- List messages in the channel.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot`of the user that makes the API call as the value in the header.

Request Syntax

```
POST /channels/channelArn/moderators HTTP/1.1
x-amz-chime-bearer: ChimeBearer
Content-type: application/json

{
   "ChannelModeratorArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ChannelModeratorArn

The `AppInstanceUserArn` of the moderator.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "ChannelArn": "string",
   "ChannelModerator": {
```

```
        "Arn": "string",
        "Name": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

ChannelModerator

The ARNs of the channel and the moderator.

Type: Identity object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteChannel

Service: Amazon Chime SDK Messaging

Immediately makes a channel and its memberships inaccessible and marks them for deletion. This is an irreversible process.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUserArn` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
DELETE /channels/channelArn HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel being deleted.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteChannelBan

Service: Amazon Chime SDK Messaging

Removes a member from a channel's ban list.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
DELETE /channels/channelArn/bans/memberArn HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel from which the `AppInstanceUser` was banned.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

memberArn

The ARN of the `AppInstanceUser` that you want to reinstate.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteChannelFlow

Service: Amazon Chime SDK Messaging

Deletes a channel flow, an irreversible process. This is a developer API.

> **Note**
>
> This API works only when the channel flow is not associated with any channel. To get a list of all channels that a channel flow is associated with, use the `ListChannelsAssociatedWithChannelFlow` API. Use the `DisassociateChannelFlow` API to disassociate a channel flow from all channels.

Request Syntax

```
DELETE /channel-flows/channelFlowArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

channelFlowArn

The ARN of the channel flow.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteChannelMembership

Service: Amazon Chime SDK Messaging

Removes a member from a channel.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the `AppInstanceUserArn` of the user that makes the API call as the value in the header.

Request Syntax

```
DELETE /channels/channelArn/memberships/memberArn?sub-channel-id=SubChannelId HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel from which you want to remove the user.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

memberArn

The `AppInstanceUserArn` of the member that you're removing from the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

SubChannelId

The ID of the SubChannel in the request.

> **Note**
>
> Only for use by moderators.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteChannelMessage

Service: Amazon Chime SDK Messaging

Deletes a channel message. Only admins can perform this action. Deletion makes messages inaccessible immediately. A background process deletes any revisions created by `UpdateChannelMessage`.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
DELETE /channels/channelArn/messages/messageId?sub-channel-id=SubChannelId HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

messageId

The ID of the message being deleted.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

SubChannelId

The ID of the SubChannel in the request.

> **Note**
> Only required when deleting messages in a SubChannel that the user belongs to.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteChannelModerator

Service: Amazon Chime SDK Messaging

Deletes a channel moderator.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
DELETE /channels/channelArn/moderators/channelModeratorArn HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

channelModeratorArn

The `AppInstanceUserArn` of the moderator being deleted.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteMessagingStreamingConfigurations

Service: Amazon Chime SDK Messaging

Deletes the streaming configurations for an `AppInstance`. For more information, see Streaming messaging data in the *Amazon Chime SDK Developer Guide*.

Request Syntax

```
DELETE /app-instances/appInstanceArn/streaming-configurations HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceArn

The ARN of the streaming configurations being deleted.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeChannel

Service: Amazon Chime SDK Messaging

Returns the full details of a channel in an Amazon Chime `AppInstance`.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels/channelArn HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Channel": {
      "ChannelArn": "string",
      "ChannelFlowArn": "string",
      "CreatedBy": {
         "Arn": "string",
         "Name": "string"
      },
      "CreatedTimestamp": number,
      "ElasticChannelConfiguration": {
         "MaximumSubChannels": number,
         "MinimumMembershipPercentage": number,
         "TargetMembershipsPerSubChannel": number
      },
      "ExpirationSettings": {
         "ExpirationCriterion": "string",
         "ExpirationDays": number
      },
      "LastMessageTimestamp": number,
      "LastUpdatedTimestamp": number,
      "Metadata": "string",
      "Mode": "string",
      "Name": "string",
      "Privacy": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Channel

The channel details.

Type: Channel object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeChannelBan

Service: Amazon Chime SDK Messaging

Returns the full details of a channel ban.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels/channelArn/bans/memberArn HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel from which the user is banned.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

memberArn

The `AppInstanceUserArn` of the member being banned.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelBan": {
      "ChannelArn": "string",
      "CreatedBy": {
         "Arn": "string",
         "Name": "string"
      },
      "CreatedTimestamp": number,
      "Member": {
         "Arn": "string",
         "Name": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelBan

The details of the ban.

Type: ChannelBan object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeChannelFlow

Service: Amazon Chime SDK Messaging

Returns the full details of a channel flow in an Amazon Chime `AppInstance`. This is a developer API.

Request Syntax

```
GET /channel-flows/channelFlowArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

channelFlowArn

The ARN of the channel flow.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelFlow": {
      "ChannelFlowArn": "string",
      "CreatedTimestamp": number,
      "LastUpdatedTimestamp": number,
      "Name": "string",
```

```
        "Processors": [
           {
              "Configuration": {
                 "Lambda": {
                    "InvocationType": "string",
                    "ResourceArn": "string"
                 }
              },
              "ExecutionOrder": number,
              "FallbackAction": "string",
              "Name": "string"
           }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelFlow

The channel flow details.

Type: ChannelFlow object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeChannelMembership

Service: Amazon Chime SDK Messaging

Returns the full details of a user's channel membership.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels/channelArn/memberships/memberArn?sub-channel-id=SubChannelId HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

memberArn

The `AppInstanceUserArn` of the member.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

SubChannelId

The ID of the SubChannel in the request. The response contains an `ElasticChannelConfiguration` object.

> **Note**
>
> Only required to get a user's SubChannel membership details.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelMembership": {
      "ChannelArn": "string",
      "CreatedTimestamp": number,
      "InvitedBy": {
         "Arn": "string",
         "Name": "string"
      },
```

```
        "LastUpdatedTimestamp": number,
        "Member": {
           "Arn": "string",
           "Name": "string"
        },
        "SubChannelId": "string",
        "Type": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelMembership

The details of the membership.

Type: ChannelMembership object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeChannelMembershipForAppInstanceUser

Service: Amazon Chime SDK Messaging

Returns the details of a channel based on the membership of the specified `AppInstanceUser` or `AppInstanceBot`.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels/{channelArn}?scope=app-instance-user-membership&app-instance-user-
arn=AppInstanceUserArn HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

AppInstanceUserArn

The ARN of the user or bot in a channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

channelArn

The ARN of the channel to which the user belongs.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelMembership": {
      "AppInstanceUserMembershipSummary": {
         "ReadMarkerTimestamp": number,
         "SubChannelId": "string",
         "Type": "string"
      },
      "ChannelSummary": {
         "ChannelArn": "string",
         "LastMessageTimestamp": number,
         "Metadata": "string",
         "Mode": "string",
         "Name": "string",
         "Privacy": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelMembership

The channel to which a user belongs.

Type: ChannelMembershipForAppInstanceUserSummary object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeChannelModeratedByAppInstanceUser

Service: Amazon Chime SDK Messaging

Returns the full details of a channel moderated by the specified `AppInstanceUser` or `AppInstanceBot`.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels/{channelArn}?scope=app-instance-user-moderated-channel&app-instance-user-
arn=AppInstanceUserArn HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

AppInstanceUserArn

The ARN of the user or bot in the moderated channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

channelArn

The ARN of the moderated channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Channel": {
      "ChannelSummary": {
         "ChannelArn": "string",
         "LastMessageTimestamp": number,
         "Metadata": "string",
         "Mode": "string",
         "Name": "string",
         "Privacy": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Channel

The moderated channel.

Type: ChannelModeratedByAppInstanceUserSummary object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeChannelModerator

Service: Amazon Chime SDK Messaging

Returns the full details of a single ChannelModerator.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the `AppInstanceUserArn` of the user that makes the API call as the value in the header.

Request Syntax

```
GET /channels/channelArn/moderators/channelModeratorArn HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

channelModeratorArn

The `AppInstanceUserArn` of the channel moderator.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelModerator": {
      "ChannelArn": "string",
      "CreatedBy": {
         "Arn": "string",
         "Name": "string"
      },
      "CreatedTimestamp": number,
      "Moderator": {
         "Arn": "string",
         "Name": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelModerator

The details of the channel moderator.

Type: ChannelModerator object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DisassociateChannelFlow

Service: Amazon Chime SDK Messaging

Disassociates a channel flow from all its channels. Once disassociated, all messages to that channel stop going through the channel flow processor.

> **Note**
>
> Only administrators or channel moderators can disassociate a channel flow. The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
DELETE /channels/channelArn/channel-flow/channelFlowArn HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

channelFlowArn

The ARN of the channel flow.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The `AppInstanceUserArn` of the user making the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetChannelMembershipPreferences

Service: Amazon Chime SDK Messaging

Gets the membership preferences of an `AppInstanceUser` or `AppInstanceBot` for the specified channel. A user or a bot must be a member of the channel and own the membership in order to retrieve membership preferences. Users or bots in the `AppInstanceAdmin` and channel moderator roles can't retrieve preferences for other users or bots. Banned users or bots can't retrieve membership preferences for the channel from which they are banned.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels/channelArn/memberships/memberArn/preferences HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

memberArn

The `AppInstanceUserArn` of the member retrieving the preferences.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelArn": "string",
   "Member": {
      "Arn": "string",
      "Name": "string"
   },
   "Preferences": {
      "PushNotifications": {
         "AllowNotifications": "string",
         "FilterRule": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Member

The details of a user.

Type: Identity object

Preferences

The channel membership preferences for an `AppInstanceUser` .

Type: ChannelMembershipPreferences object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetChannelMessage

Service: Amazon Chime SDK Messaging

Gets the full details of a channel message.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels/channelArn/messages/messageId?sub-channel-id=SubChannelId HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

messageId

The ID of the message.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

SubChannelId

The ID of the SubChannel in the request.

> **Note**
>
> Only required when getting messages in a SubChannel that the user belongs to.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelMessage": {
      "ChannelArn": "string",
      "Content": "string",
      "ContentType": "string",
      "CreatedTimestamp": number,
      "LastEditedTimestamp": number,
      "LastUpdatedTimestamp": number,
      "MessageAttributes": {
         "string" : {
            "StringValues": [ "string" ]
```

```
            }
        },
        "MessageId": "string",
        "Metadata": "string",
        "Persistence": "string",
        "Redacted": boolean,
        "Sender": {
            "Arn": "string",
            "Name": "string"
        },
        "Status": {
            "Detail": "string",
            "Value": "string"
        },
        "SubChannelId": "string",
        "Target": [
            {
                "MemberArn": "string"
            }
        ],
        "Type": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelMessage

The details of and content in the message.

Type: ChannelMessage object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetChannelMessageStatus

Service: Amazon Chime SDK Messaging

Gets message status for a specified `messageId`. Use this API to determine the intermediate status of messages going through channel flow processing. The API provides an alternative to retrieving message status if the event was not received because a client wasn't connected to a websocket.

Messages can have any one of these statuses.

SENT

Message processed successfully

PENDING

Ongoing processing

FAILED

Processing failed

DENIED

Message denied by the processor

> **Note**
>
> - This API does not return statuses for denied messages, because we don't store them once the processor denies them.
> - Only the message sender can invoke this API.
> - The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels/channelArn/messages/{messageId}?scope=message-status&sub-channel-
id=SubChannelId HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The `AppInstanceUserArn` of the user making the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

messageId

The ID of the message.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

SubChannelId

The ID of the SubChannel in the request.

> **Note**
>
> Only required when getting message status in a SubChannel that the user belongs to.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Status": {
      "Detail": "string",
      "Value": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Status

The message status and details.

Type: ChannelMessageStatusStructure object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetMessagingSessionEndpoint

Service: Amazon Chime SDK Messaging

The details of the endpoint for the messaging session.

Request Syntax

```
GET /endpoints/messaging-session HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Endpoint": {
      "Url": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Endpoint

The endpoint returned in the response.

Type: MessagingSessionEndpoint object

Errors

For information about the errors that are common to all actions, see Common Errors.

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetMessagingStreamingConfigurations

Service: Amazon Chime SDK Messaging

Retrieves the data streaming configuration for an `AppInstance`. For more information, see Streaming messaging data in the *Amazon Chime SDK Developer Guide*.

Request Syntax

```
GET /app-instances/appInstanceArn/streaming-configurations HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceArn

The ARN of the streaming configurations.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "StreamingConfigurations": [
      {
         "DataType": "string",
         "ResourceArn": "string"
      }
```

```
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

StreamingConfigurations

The streaming settings.

Type: Array of StreamingConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListChannelBans

Service: Amazon Chime SDK Messaging

Lists all the users and bots banned from a particular channel.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels/channelArn/bans?max-results=MaxResults&next-token=NextToken HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of bans that you want returned.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token passed by previous API calls until all requested bans are returned.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelArn": "string",
   "ChannelBans": [
      {
         "Member": {
            "Arn": "string",
            "Name": "string"
         }
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

ChannelBans

The information for each requested ban.

Type: Array of ChannelBanSummary objects

NextToken

The token passed by previous API calls until all requested bans are returned.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListChannelFlows

Service: Amazon Chime SDK Messaging

Returns a paginated lists of all the channel flows created under a single Chime. This is a developer API.

Request Syntax

```
GET /channel-flows?app-instance-arn=AppInstanceArn&max-results=MaxResults&next-
token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AppInstanceArn

The ARN of the app instance.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of channel flows that you want to return.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token passed by previous API calls until all requested channel flows are returned.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelFlows": [
      {
         "ChannelFlowArn": "string",
         "Name": "string",
         "Processors": [
            {
               "Configuration": {
                  "Lambda": {
                     "InvocationType": "string",
                     "ResourceArn": "string"
                  }
               },
               "ExecutionOrder": number,
               "FallbackAction": "string",
               "Name": "string"
            }
         ]
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelFlows

The information about each channel flow.

Type: Array of ChannelFlowSummary objects

NextToken

The token passed by previous API calls until all requested channels are returned.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListChannelMemberships

Service: Amazon Chime SDK Messaging

Lists all channel memberships in a channel.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

If you want to list the channels to which a specific app instance user belongs, see the ListChannelMembershipsForAppInstanceUser API.

Request Syntax

```
GET /channels/channelArn/memberships?max-results=MaxResults&next-token=NextToken&sub-channel-id=SubChannelId&type=Type HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The maximum number of channel memberships that you want returned.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of channel memberships that you want returned.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token passed by previous API calls until all requested channel memberships are returned.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

SubChannelId

The ID of the SubChannel in the request.

> **Note**
>
> Only required when listing a user's memberships in a particular sub-channel of an elastic channel.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Type

The membership type of a user, `DEFAULT` or `HIDDEN`. Default members are returned as part of `ListChannelMemberships` if no type is specified. Hidden members are only returned if the type filter in `ListChannelMemberships` equals `HIDDEN`.

Valid Values: `DEFAULT | HIDDEN`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelArn": "string",
   "ChannelMemberships": [
      {
         "Member": {
            "Arn": "string",
            "Name": "string"
         }
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

ChannelMemberships

The information for the requested channel memberships.

Type: Array of ChannelMembershipSummary objects

NextToken

The token passed by previous API calls until all requested channel memberships are returned.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListChannelMembershipsForAppInstanceUser

Service: Amazon Chime SDK Messaging

Lists all channels that an `AppInstanceUser` or `AppInstanceBot` is a part of. Only an `AppInstanceAdmin` can call the API with a user ARN that is not their own.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels?scope=app-instance-user-memberships&app-instance-user-
arn=AppInstanceUserArn&max-results=MaxResults&next-token=NextToken HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

AppInstanceUserArn

The ARN of the user or bot.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of users that you want returned.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token returned from previous API requests until the number of channel memberships is reached.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelMemberships": [
      {
         "AppInstanceUserMembershipSummary": {
            "ReadMarkerTimestamp": number,
            "SubChannelId": "string",
            "Type": "string"
         },
         "ChannelSummary": {
            "ChannelArn": "string",
            "LastMessageTimestamp": number,
            "Metadata": "string",
            "Mode": "string",
            "Name": "string",
            "Privacy": "string"
         }
      }
   ],
```

```
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelMemberships

The information for the requested channel memberships.

Type: Array of ChannelMembershipForAppInstanceUserSummary objects

NextToken

The token passed by previous API calls until all requested users are returned.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListChannelMessages

Service: Amazon Chime SDK Messaging

List all the messages in a channel. Returns a paginated list of `ChannelMessages`. By default, sorted by creation timestamp in descending order.

> **Note**
>
> Redacted messages appear in the results as empty, since they are only redacted, not deleted. Deleted messages do not appear in the results. This action always returns the latest version of an edited message.
> Also, the `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels/channelArn/messages?max-results=MaxResults&next-token=NextToken&not-
after=NotAfter&not-before=NotBefore&sort-order=SortOrder&sub-channel-id=SubChannelId
 HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of messages that you want returned.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token passed by previous API calls until all requested messages are returned.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

NotAfter

The final or ending time stamp for your requested messages.

NotBefore

The initial or starting time stamp for your requested messages.

SortOrder

The order in which you want messages sorted. Default is Descending, based on time created.

Valid Values: `ASCENDING | DESCENDING`

SubChannelId

The ID of the SubChannel in the request.

> **Note**
>
> Only required when listing the messages in a SubChannel that the user belongs to.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelArn": "string",
   "ChannelMessages": [
      {
         "Content": "string",
         "ContentType": "string",
         "CreatedTimestamp": number,
         "LastEditedTimestamp": number,
         "LastUpdatedTimestamp": number,
         "MessageAttributes": {
            "string" : {
               "StringValues": [ "string" ]
            }
         },
         "MessageId": "string",
         "Metadata": "string",
         "Redacted": boolean,
         "Sender": {
            "Arn": "string",
            "Name": "string"
         },
         "Status": {
            "Detail": "string",
            "Value": "string"
         },
         "Target": [
            {
               "MemberArn": "string"
            }
         ],
         "Type": "string"
      }
```

```
    ],
    "NextToken": "string",
    "SubChannelId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel containing the requested messages.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

ChannelMessages

The information about, and content of, each requested message.

Type: Array of ChannelMessageSummary objects

NextToken

The token passed by previous API calls until all requested messages are returned.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

SubChannelId

The ID of the SubChannel in the response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListChannelModerators

Service: Amazon Chime SDK Messaging

Lists all the moderators for a channel.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels/channelArn/moderators?max-results=MaxResults&next-token=NextToken
 HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of moderators that you want returned.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token passed by previous API calls until all requested moderators are returned.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelArn": "string",
   "ChannelModerators": [
      {
         "Moderator": {
            "Arn": "string",
            "Name": "string"
         }
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

ChannelModerators

The information about and names of each moderator.

Type: Array of ChannelModeratorSummary objects

NextToken

The token passed by previous API calls until all requested moderators are returned.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListChannels

Service: Amazon Chime SDK Messaging

Lists all Channels created under a single Chime App as a paginated list. You can specify filters to narrow results.

Functionality & restrictions

- Use privacy = `PUBLIC` to retrieve all public channels in the account.
- Only an `AppInstanceAdmin` can set privacy = `PRIVATE` to list the private channels in an account.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels?app-instance-arn=AppInstanceArn&max-results=MaxResults&next-
token=NextToken&privacy=Privacy HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

AppInstanceArn

The ARN of the `AppInstance`.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of channels that you want to return.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token passed by previous API calls until all requested channels are returned.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Privacy

The privacy setting. `PUBLIC` retrieves all the public channels. `PRIVATE` retrieves private channels. Only an `AppInstanceAdmin` can retrieve private channels.

Valid Values: `PUBLIC | PRIVATE`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Channels": [
```

```
        {
            "ChannelArn": "string",
            "LastMessageTimestamp": number,
            "Metadata": "string",
            "Mode": "string",
            "Name": "string",
            "Privacy": "string"
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Channels

The information about each channel.

Type: Array of ChannelSummary objects

NextToken

The token returned from previous API requests until the number of channels is reached.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListChannelsAssociatedWithChannelFlow

Service: Amazon Chime SDK Messaging

Lists all channels associated with a specified channel flow. You can associate a channel flow with multiple channels, but you can only associate a channel with one channel flow. This is a developer API.

Request Syntax

```
GET /channels?scope=channel-flow-associations&channel-flow-arn=ChannelFlowArn&max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ChannelFlowArn

The ARN of the channel flow.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of channels that you want to return.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token passed by previous API calls until all requested channels are returned.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Channels": [
      {
         "ChannelArn": "string",
         "Metadata": "string",
         "Mode": "string",
         "Name": "string",
         "Privacy": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Channels

The information about each channel.

Type: Array of ChannelAssociatedWithFlowSummary objects

NextToken

The token passed by previous API calls until all requested channels are returned.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListChannelsModeratedByAppInstanceUser

Service: Amazon Chime SDK Messaging

A list of the channels moderated by an `AppInstanceUser`.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
GET /channels?scope=app-instance-user-moderated-channels&app-instance-user-
arn=AppInstanceUserArn&max-results=MaxResults&next-token=NextToken HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

AppInstanceUserArn

The ARN of the user or bot in the moderated channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of channels in the request.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token returned from previous API requests until the number of channels moderated by the user is reached.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Channels": [
      {
         "ChannelSummary": {
            "ChannelArn": "string",
            "LastMessageTimestamp": number,
            "Metadata": "string",
            "Mode": "string",
            "Name": "string",
            "Privacy": "string"
         }
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Channels

The moderated channels in the request.

Type: Array of ChannelModeratedByAppInstanceUserSummary objects

NextToken

The token returned from previous API requests until the number of channels moderated by the user is reached.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListSubChannels

Service: Amazon Chime SDK Messaging

Lists all the SubChannels in an elastic channel when given a channel ID. Available only to the app instance admins and channel moderators of elastic channels.

Request Syntax

```
GET /channels/channelArn/subchannels?max-results=MaxResults&next-token=NextToken
 HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of elastic channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The `AppInstanceUserArn` of the user making the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

MaxResults

The maximum number of sub-channels that you want to return.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token passed by previous API calls until all requested sub-channels are returned.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelArn": "string",
   "NextToken": "string",
   "SubChannels": [
      {
         "MembershipCount": number,
         "SubChannelId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of elastic channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

NextToken

The token passed by previous API calls until all requested sub-channels are returned.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

SubChannels

The information about each sub-channel.

Type: Array of SubChannelSummary objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListTagsForResource

Service: Amazon Chime SDK Messaging

Lists the tags applied to an Amazon Chime SDK messaging resource.

Request Syntax

```
GET /tags?arn=ResourceARN HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceARN

The ARN of the resource.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Tags

The tag key-value pairs.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutChannelExpirationSettings

Service: Amazon Chime SDK Messaging

Sets the number of days before the channel is automatically deleted.

> **Note**
>
> - A background process deletes expired channels within 6 hours of expiration. Actual deletion times may vary.
> - Expired channels that have not yet been deleted appear as active, and you can update their expiration settings. The system honors the new settings.
> - The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
PUT /channels/channelArn/expiration-settings HTTP/1.1
x-amz-chime-bearer: ChimeBearer
Content-type: application/json

{
   "ExpirationSettings": {
      "ExpirationCriterion": "string",
      "ExpirationDays": number
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Request Body

The request accepts the following data in JSON format.

ExpirationSettings

Settings that control the interval after which a channel is deleted.

Type: ExpirationSettings object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelArn": "string",
   "ExpirationSettings": {
      "ExpirationCriterion": "string",
      "ExpirationDays": number
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelArn

The channel ARN.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

ExpirationSettings

Settings that control the interval after which a channel is deleted.

Type: ExpirationSettings object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutChannelMembershipPreferences

Service: Amazon Chime SDK Messaging

Sets the membership preferences of an `AppInstanceUser` or `AppInstanceBot` for the specified channel. The user or bot must be a member of the channel. Only the user or bot who owns the membership can set preferences. Users or bots in the `AppInstanceAdmin` and channel moderator roles can't set preferences for other users. Banned users or bots can't set membership preferences for the channel from which they are banned.

> **Note**
>
> The x-amz-chime-bearer request header is mandatory. Use the ARN of an `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
PUT /channels/channelArn/memberships/memberArn/preferences HTTP/1.1
x-amz-chime-bearer: ChimeBearer
Content-type: application/json

{
   "Preferences": {
      "PushNotifications": {
         "AllowNotifications": "string",
         "FilterRule": "string"
      }
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

memberArn

The ARN of the member setting the preferences.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Preferences

The channel membership preferences of an `AppInstanceUser` .

Type: ChannelMembershipPreferences object

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "ChannelArn": "string",
   "Member": {
      "Arn": "string",
      "Name": "string"
   },
   "Preferences": {
      "PushNotifications": {
         "AllowNotifications": "string",
         "FilterRule": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Member

The details of a user.

Type: Identity object

Preferences

The ARN and metadata of the member being added.

Type: ChannelMembershipPreferences object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutMessagingStreamingConfigurations

Service: Amazon Chime SDK Messaging

Sets the data streaming configuration for an `AppInstance`. For more information, see Streaming messaging data in the *Amazon Chime SDK Developer Guide*.

Request Syntax

```
PUT /app-instances/appInstanceArn/streaming-configurations HTTP/1.1
Content-type: application/json

{
   "StreamingConfigurations": [
      {
         "DataType": "string",
         "ResourceArn": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

appInstanceArn

The ARN of the streaming configuration.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

StreamingConfigurations

The streaming configurations.

Type: Array of StreamingConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "StreamingConfigurations": [
      {
         "DataType": "string",
         "ResourceArn": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

StreamingConfigurations

The requested streaming configurations.

Type: Array of StreamingConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

One or more of the resources in the request does not exist in the system.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

RedactChannelMessage

Service: Amazon Chime SDK Messaging

Redacts message content and metadata. The message exists in the back end, but the action returns null content, and the state shows as redacted.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
POST /channels/channelArn/messages/{messageId}?operation=redact HTTP/1.1
x-amz-chime-bearer: ChimeBearer
Content-type: application/json

{
   "SubChannelId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel containing the messages that you want to redact.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

messageId

The ID of the message being redacted.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

SubChannelId

The ID of the SubChannel in the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelArn": "string",
   "MessageId": "string",
```

```
    "SubChannelId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel containing the messages that you want to redact.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

MessageId

The ID of the message being redacted.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

SubChannelId

The ID of the SubChannel in the response.

> **Note**
> Only required when redacting messages in a SubChannel that the user belongs to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

SearchChannels

Service: Amazon Chime SDK Messaging

Allows the `ChimeBearer` to search channels by channel members. Users or bots can search across the channels that they belong to. Users in the `AppInstanceAdmin` role can search across all channels.

The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

> **Note**
>
> This operation isn't supported for `AppInstanceUsers` with a large number of memberships.

Request Syntax

```
POST /channels?operation=search&max-results=MaxResults&next-token=NextToken HTTP/1.1
x-amz-chime-bearer: ChimeBearer
Content-type: application/json

{
   "Fields": [
      {
         "Key": "string",
         "Operator": "string",
         "Values": [ "string" ]
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

ChimeBearer

The `AppInstanceUserArn` of the user making the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

MaxResults

The maximum number of channels that you want returned.

Valid Range: Minimum value of 1. Maximum value of 50.

NextToken

The token returned from previous API requests until the number of channels is reached.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Request Body

The request accepts the following data in JSON format.

Fields

A list of the `Field` objects in the channel being searched.

Type: Array of SearchField objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Channels": [
      {
         "ChannelArn": "string",
         "LastMessageTimestamp": number,
         "Metadata": "string",
         "Mode": "string",
```

```
            "Name": "string",
            "Privacy": "string"
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Channels

A list of the channels in the request.

Type: Array of ChannelSummary objects

NextToken

The token returned from previous API responses until the number of channels is reached.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

SendChannelMessage

Service: Amazon Chime SDK Messaging

Sends a message to a particular channel that the member is a part of.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.
>
> Also, `STANDARD` messages can be up to 4KB in size and contain metadata. Metadata is arbitrary, and you can use it in a variety of ways, such as containing a link to an attachment. `CONTROL` messages are limited to 30 bytes and do not contain metadata.

Request Syntax

```
POST /channels/channelArn/messages HTTP/1.1
x-amz-chime-bearer: ChimeBearer
Content-type: application/json

{
   "ClientRequestToken": "string",
   "Content": "string",
   "ContentType": "string",
   "MessageAttributes": {
      "string" : {
         "StringValues": [ "string" ]
      }
   },
   "Metadata": "string",
   "Persistence": "string",
   "PushNotification": {
      "Body": "string",
      "Title": "string",
      "Type": "string"
   },
   "SubChannelId": "string",
   "Target": [
      {
         "MemberArn": "string"
```

```
        }
    ],
    "Type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ClientRequestToken

The `Idempotency` token for each client request.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

Content

The content of the channel message.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `[\s\S]*`

Required: Yes

ContentType

The content type of the channel message.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 45.

Pattern: `[\s\S]*`

Required: No

MessageAttributes

The attributes for the message, used for message filtering along with a `FilterRule` defined in the `PushNotificationPreferences`.

Type: String to MessageAttributeValue object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `[\s\S]*`

Required: No

Metadata

The optional metadata for each message.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Persistence

Boolean that controls whether the message is persisted on the back end. Required.

Type: String

Valid Values: `PERSISTENT | NON_PERSISTENT`

Required: Yes

PushNotification

The push notification configuration of the message.

Type: PushNotificationConfiguration object

Required: No

SubChannelId

The ID of the SubChannel in the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Target

The target of a message. Must be a member of the channel, such as another user, a bot, or the sender. Only the target and the sender can view targeted messages. Only users who can see targeted messages can take actions on them. However, administrators can delete targeted messages that they can't see.

Type: Array of Target objects

Array Members: Fixed number of 1 item.

Required: No

Type

The type of message, STANDARD or CONTROL.

STANDARD messages can be up to 4KB in size and contain metadata. Metadata is arbitrary, and you can use it in a variety of ways, such as containing a link to an attachment.

CONTROL messages are limited to 30 bytes and do not contain metadata.

Type: String

Valid Values: STANDARD | CONTROL

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "ChannelArn": "string",
   "MessageId": "string",
   "Status": {
      "Detail": "string",
      "Value": "string"
   },
   "SubChannelId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

MessageId

The ID string assigned to each message.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Status

The status of the channel message.

Type: ChannelMessageStatusStructure object

SubChannelId

The ID of the SubChannel in the response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

Service: Amazon Chime SDK Messaging

Applies the specified tags to the specified Amazon Chime SDK messaging resource.

Request Syntax

```
POST /tags?operation=tag-resource HTTP/1.1
Content-type: application/json

{
   "ResourceARN": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ResourceARN

The resource ARN.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Tags

The tag key-value pairs.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UntagResource

Service: Amazon Chime SDK Messaging

Removes the specified tags from the specified Amazon Chime SDK messaging resource.

Request Syntax

```
POST /tags?operation=untag-resource HTTP/1.1
Content-type: application/json

{
   "ResourceARN": "string",
   "TagKeys": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ResourceARN

The resource ARN.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

TagKeys

The tag keys.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateChannel

Service: Amazon Chime SDK Messaging

Update a channel's attributes.

Restriction: You can't change a channel's privacy.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
PUT /channels/channelArn HTTP/1.1
x-amz-chime-bearer: ChimeBearer
Content-type: application/json

{
   "Metadata": "string",
   "Mode": "string",
   "Name": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Metadata

The metadata for the update request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Mode

The mode of the update request.

Type: String

Valid Values: `UNRESTRICTED | RESTRICTED`

Required: No

Name

The name of the channel.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateChannelFlow

Service: Amazon Chime SDK Messaging

Updates channel flow attributes. This is a developer API.

Request Syntax

```
PUT /channel-flows/channelFlowArn HTTP/1.1
Content-type: application/json

{
   "Name": "string",
   "Processors": [
      {
         "Configuration": {
            "Lambda": {
               "InvocationType": "string",
               "ResourceArn": "string"
            }
         },
         "ExecutionOrder": number,
         "FallbackAction": "string",
         "Name": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

channelFlowArn

The ARN of the channel flow.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Name

The name of the channel flow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: Yes

Processors

Information about the processor Lambda functions

Type: Array of Processor objects

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelFlowArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelFlowArn

The ARN of the channel flow.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateChannelMessage

Service: Amazon Chime SDK Messaging

Updates the content of a message.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
PUT /channels/channelArn/messages/messageId HTTP/1.1
x-amz-chime-bearer: ChimeBearer
Content-type: application/json

{
   "Content": "string",
   "ContentType": "string",
   "Metadata": "string",
   "SubChannelId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

messageId

The ID string of the message being updated.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Content

The content of the channel message.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `[\s\S]*`

Required: Yes

ContentType

The content type of the channel message.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 45.

Pattern: `[\s\S]*`

Required: No

Metadata

The metadata of the message being updated.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

SubChannelId

The ID of the SubChannel in the request.

> **Note**
>
> Only required when updating messages in a SubChannel that the user belongs to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelArn": "string",
   "MessageId": "string",
   "Status": {
      "Detail": "string",
      "Value": "string"
   },
   "SubChannelId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

MessageId

The ID string of the message being updated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Status

The status of the message update.

Type: ChannelMessageStatusStructure object

SubChannelId

The ID of the SubChannel in the response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateChannelReadMarker

Service: Amazon Chime SDK Messaging

The details of the time when a user last read messages in a channel.

> **Note**
>
> The `x-amz-chime-bearer` request header is mandatory. Use the ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call as the value in the header.

Request Syntax

```
PUT /channels/channelArn/readMarker HTTP/1.1
x-amz-chime-bearer: ChimeBearer
```

URI Request Parameters

The request uses the following URI parameters.

channelArn

The ARN of the channel.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

ChimeBearer

The ARN of the `AppInstanceUser` or `AppInstanceBot` that makes the API call.

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ChannelArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The client exceeded its request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client is not currently authorized to make the request.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Amazon Chime SDK Voice

The following actions are supported by Amazon Chime SDK Voice:

- AssociatePhoneNumbersWithVoiceConnector
- AssociatePhoneNumbersWithVoiceConnectorGroup
- BatchDeletePhoneNumber
- BatchUpdatePhoneNumber
- CreatePhoneNumberOrder
- CreateProxySession
- CreateSipMediaApplication
- CreateSipMediaApplicationCall
- CreateSipRule
- CreateVoiceConnector
- CreateVoiceConnectorGroup
- CreateVoiceProfile
- CreateVoiceProfileDomain
- DeletePhoneNumber
- DeleteProxySession
- DeleteSipMediaApplication
- DeleteSipRule
- DeleteVoiceConnector
- DeleteVoiceConnectorEmergencyCallingConfiguration
- DeleteVoiceConnectorExternalSystemsConfiguration
- DeleteVoiceConnectorGroup
- DeleteVoiceConnectorOrigination

- DeleteVoiceConnectorProxy
- DeleteVoiceConnectorStreamingConfiguration
- DeleteVoiceConnectorTermination
- DeleteVoiceConnectorTerminationCredentials
- DeleteVoiceProfile
- DeleteVoiceProfileDomain
- DisassociatePhoneNumbersFromVoiceConnector
- DisassociatePhoneNumbersFromVoiceConnectorGroup
- GetGlobalSettings
- GetPhoneNumber
- GetPhoneNumberOrder
- GetPhoneNumberSettings
- GetProxySession
- GetSipMediaApplication
- GetSipMediaApplicationAlexaSkillConfiguration
- GetSipMediaApplicationLoggingConfiguration
- GetSipRule
- GetSpeakerSearchTask
- GetVoiceConnector
- GetVoiceConnectorEmergencyCallingConfiguration
- GetVoiceConnectorExternalSystemsConfiguration
- GetVoiceConnectorGroup
- GetVoiceConnectorLoggingConfiguration
- GetVoiceConnectorOrigination
- GetVoiceConnectorProxy
- GetVoiceConnectorStreamingConfiguration
- GetVoiceConnectorTermination
- GetVoiceConnectorTerminationHealth
- GetVoiceProfile
- GetVoiceProfileDomain

- GetVoiceToneAnalysisTask
- ListAvailableVoiceConnectorRegions
- ListPhoneNumberOrders
- ListPhoneNumbers
- ListProxySessions
- ListSipMediaApplications
- ListSipRules
- ListSupportedPhoneNumberCountries
- ListTagsForResource
- ListVoiceConnectorGroups
- ListVoiceConnectors
- ListVoiceConnectorTerminationCredentials
- ListVoiceProfileDomains
- ListVoiceProfiles
- PutSipMediaApplicationAlexaSkillConfiguration
- PutSipMediaApplicationLoggingConfiguration
- PutVoiceConnectorEmergencyCallingConfiguration
- PutVoiceConnectorExternalSystemsConfiguration
- PutVoiceConnectorLoggingConfiguration
- PutVoiceConnectorOrigination
- PutVoiceConnectorProxy
- PutVoiceConnectorStreamingConfiguration
- PutVoiceConnectorTermination
- PutVoiceConnectorTerminationCredentials
- RestorePhoneNumber
- SearchAvailablePhoneNumbers
- StartSpeakerSearchTask
- StartVoiceToneAnalysisTask
- StopSpeakerSearchTask
- StopVoiceToneAnalysisTask

- TagResource
- UntagResource
- UpdateGlobalSettings
- UpdatePhoneNumber
- UpdatePhoneNumberSettings
- UpdateProxySession
- UpdateSipMediaApplication
- UpdateSipMediaApplicationCall
- UpdateSipRule
- UpdateVoiceConnector
- UpdateVoiceConnectorGroup
- UpdateVoiceProfile
- UpdateVoiceProfileDomain
- ValidateE911Address

AssociatePhoneNumbersWithVoiceConnector

Service: Amazon Chime SDK Voice

Associates phone numbers with the specified Amazon Chime SDK Voice Connector.

Request Syntax

```
POST /voice-connectors/{voiceConnectorId}?operation=associate-phone-numbers HTTP/1.1
Content-type: application/json

{
   "E164PhoneNumbers": [ "string" ],
   "ForceAssociate": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

E164PhoneNumbers

List of phone numbers, in E.164 format.

Type: Array of strings

Pattern: `^\+?[1-9]\d{1,14}$`

Required: Yes

ForceAssociate

If true, associates the provided phone numbers with the provided Amazon Chime SDK Voice Connector and removes any previously existing associations. If false, does not associate any phone numbers that have previously existing associations.

Type: Boolean

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "PhoneNumberErrors": [
      {
         "ErrorCode": "string",
         "ErrorMessage": "string",
         "PhoneNumberId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PhoneNumberErrors

If the action fails for one or more of the phone numbers in the request, a list of the phone numbers is returned, along with error codes and error messages.

Type: Array of PhoneNumberError objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

Examples

In the following example or examples, the Authorization header contents(AUTHPARAMS) must be replaced with an AWS Signature Version 4 signature. For more information about creating these signatures, see Signature Version 4 Signing Process in the *AWS General Reference*.

You only need to learn how to sign HTTP requests if you intend to manually create them. When you use the AWS Command Line Interface (AWS CLI) or one of the AWS SDKs to make requests to AWS, these tools automatically sign the requests for you with the access key that you specify when you configure the tools. When you use these tools, you don't need to learn how to sign requests yourself.

Example

This example associates the specified phone number with the specified Amazon Chime SDK Voice Connector.

Sample Request

```
POST /voice-connectors/abcdef1ghij2klmno3pqr4?operation=associate-phone-numbers
 HTTP/1.1 Host: service.chime.aws.amazon.com Accept-Encoding: identity User-Agent: aws-
cli/1.16.170 Python/3.6.0 Windows/10 botocore/1.12.160 X-Amz-Date: 20191028T184037Z
 Authorization: AUTHPARAMS Content-Length: 78 {"E164PhoneNumbers": ["+12065550100",
 "+12065550101"], "ForceAssociate": true}
```

Sample Response

```
HTTP/1.1 200 OK x-amzn-RequestId: ac266ffd-3732-4a4a-b8dd-4b64399dde0c Content-Type:
 application/json Content-Length: 24 Date: Mon, 28 Oct 2019 18:40:37 GMT Connection:
 keep-alive {"PhoneNumberErrors":[]}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

AssociatePhoneNumbersWithVoiceConnectorGroup

Service: Amazon Chime SDK Voice

Associates phone numbers with the specified Amazon Chime SDK Voice Connector group.

Request Syntax

```
POST /voice-connector-groups/{voiceConnectorGroupId}?operation=associate-phone-numbers
 HTTP/1.1
Content-type: application/json

{
   "E164PhoneNumbers": [ "string" ],
   "ForceAssociate": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorGroupId

The Amazon Chime SDK Voice Connector group ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

E164PhoneNumbers

List of phone numbers, in E.164 format.

Type: Array of strings

Pattern: `^\+?[1-9]\d{1,14}$`

Required: Yes

ForceAssociate

If true, associates the provided phone numbers with the provided Amazon Chime SDK Voice Connector Group and removes any previously existing associations. If false, does not associate any phone numbers that have previously existing associations.

Type: Boolean

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "PhoneNumberErrors": [
      {
         "ErrorCode": "string",
         "ErrorMessage": "string",
         "PhoneNumberId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PhoneNumberErrors

If the action fails for one or more of the phone numbers in the request, a list of the phone numbers is returned, along with error codes and error messages.

Type: Array of PhoneNumberError objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

Examples

In the following example or examples, the Authorization header contents(AUTHPARAMS) must be replaced with an AWS Signature Version 4 signature. For more information about creating these signatures, see Signature Version 4 Signing Process in the *AWS General Reference*.

You only need to learn how to sign HTTP requests if you intend to manually create them. When you use the AWS Command Line Interface (AWS CLI) or one of the AWS SDKs to make requests to AWS, these tools automatically sign the requests for you with the access key that you specify when you configure the tools. When you use these tools, you don't need to learn how to sign requests yourself.

Example

This example associates the specified phone numbers with the specified Amazon Chime SDK Voice Connector group.

Sample Request

```
POST /voice-connector-groups/123a456b-c7d8-90e1-fg23-4h567jkl8901?operation=associate-
phone-numbers HTTP/1.1 Host: service.chime.aws.amazon.com Accept-Encoding: identity
 User-Agent: aws-cli/1.16.170 Python/3.6.0 Windows/10 botocore/1.12.160 X-Amz-Date:
 20191028T185326Z Authorization: AUTHPARAMS Content-Length: 78 {"E164PhoneNumbers":
 ["+12065550100", "+12065550101"], "ForceAssociate": true}
```

Sample Response

```
HTTP/1.1 200 OK x-amzn-RequestId: 96f64ec4-db6a-41c9-9315-2517fb130c80 Content-Type:
 application/json Content-Length: 24 Date: Mon, 28 Oct 2019 18:53:27 GMT Connection:
 keep-alive {"PhoneNumberErrors":[]}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

BatchDeletePhoneNumber

Service: Amazon Chime SDK Voice

Moves phone numbers into the **Deletion queue**. Phone numbers must be disassociated from any users or Amazon Chime SDK Voice Connectors before they can be deleted.

Phone numbers remain in the **Deletion queue** for 7 days before they are deleted permanently.

Request Syntax

```
POST /phone-numbers?operation=batch-delete HTTP/1.1
Content-type: application/json

{
   "PhoneNumberIds": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

PhoneNumberIds

List of phone number IDs.

Type: Array of strings

Array Members: Minimum number of 1 item.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
    "PhoneNumberErrors": [
       {
          "ErrorCode": "string",
          "ErrorMessage": "string",
          "PhoneNumberId": "string"
       }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PhoneNumberErrors

If the action fails for one or more of the phone numbers in the request, a list of the phone numbers is returned, along with error codes and error messages.

Type: Array of PhoneNumberError objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

Examples

In the following example or examples, the Authorization header contents(`AUTHPARAMS`) must be replaced with an AWS Signature Version 4 signature. For more information about creating these signatures, see Signature Version 4 Signing Process in the *AWS General Reference*.

You only need to learn how to sign HTTP requests if you intend to manually create them. When you use the AWS Command Line Interface (AWS CLI) or one of the AWS SDKs to make requests to AWS, these tools automatically sign the requests for you with the access key that you specify when you configure the tools. When you use these tools, you don't need to learn how to sign requests yourself.

Example

This example moves multiple phone numbers into the **Deletion queue** .

Sample Request

```
POST /phone-numbers?operation=batch-delete HTTP/1.1 Host: service.chime.aws.amazon.com
 Accept-Encoding: identity User-Agent: aws-cli/1.16.170 Python/3.6.0 Windows/10
```

```
 botocore/1.12.160 X-Amz-Date: 20190918T195348Z Authorization: AUTHPARAMS Content-
Length: 56 {"PhoneNumberIds": ["%2B12065550100", "%2B12065550101"]}
```

Sample Response

```
HTTP/1.1 200 OK x-amzn-RequestId: f6ac5632-e71a-4755-997b-971c4dbff22c Content-Type:
 application/json Content-Length: 24 Date: Wed, 18 Sep 2019 19:53:49 GMT Connection:
 keep-alive {"PhoneNumberErrors":[]}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

BatchUpdatePhoneNumber

Service: Amazon Chime SDK Voice

Updates phone number product types, calling names, or phone number names. You can update one attribute at a time for each `UpdatePhoneNumberRequestItem`. For example, you can update the product type, the calling name, or phone name.

> **Note**
>
> You cannot have a duplicate `phoneNumberId` in a request.

Request Syntax

```
POST /phone-numbers?operation=batch-update HTTP/1.1
Content-type: application/json

{
   "UpdatePhoneNumberRequestItems": [
      {
         "CallingName": "string",
         "Name": "string",
         "PhoneNumberId": "string",
         "ProductType": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

UpdatePhoneNumberRequestItems

Lists the phone numbers in the update request.

Type: Array of UpdatePhoneNumberRequestItem objects

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "PhoneNumberErrors": [
      {
         "ErrorCode": "string",
         "ErrorMessage": "string",
         "PhoneNumberId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PhoneNumberErrors

A list of failed phone numbers and their error messages.

Type: Array of PhoneNumberError objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreatePhoneNumberOrder

Service: Amazon Chime SDK Voice

Creates an order for phone numbers to be provisioned. For numbers outside the U.S., you must use the Amazon Chime SDK SIP media application dial-in product type.

Request Syntax

```
POST /phone-number-orders HTTP/1.1
Content-type: application/json

{
   "E164PhoneNumbers": [ "string" ],
   "Name": "string",
   "ProductType": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

E164PhoneNumbers

List of phone numbers, in E.164 format.

Type: Array of strings

Pattern: `^\+?[1-9]\d{1,14}$`

Required: Yes

Name

Specifies the name assigned to one or more phone numbers.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `^$|^[a-zA-Z0-9\,\.\_\-]+(\s+[a-zA-Z0-9\,\.\_\-]+)*$`

Required: No

ProductType

The phone number product type.

Type: String

Valid Values: `VoiceConnector | SipMediaApplicationDialIn`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "PhoneNumberOrder": {
      "CreatedTimestamp": "string",
      "FocDate": "string",
      "OrderedPhoneNumbers": [
         {
            "E164PhoneNumber": "string",
            "Status": "string"
         }
      ],
      "OrderType": "string",
      "PhoneNumberOrderId": "string",
      "ProductType": "string",
      "Status": "string",
      "UpdatedTimestamp": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

PhoneNumberOrder

The phone number order details.

Type: PhoneNumberOrder object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

Examples

In the following example or examples, the Authorization header contents(AUTHPARAMS) must be replaced with an AWS Signature Version 4 signature. For more information about creating these signatures, see Signature Version 4 Signing Process in the *AWS General Reference*.

You only need to learn how to sign HTTP requests if you intend to manually create them. When you use the AWS Command Line Interface (AWS CLI) or one of the AWS SDKs to make requests to AWS, these tools automatically sign the requests for you with the access key that you specify when you configure the tools. When you use these tools, you don't need to learn how to sign requests yourself.

Example

This example creates an order for phone numbers to be provisioned.

Sample Request

```
POST /phone-number-orders HTTP/1.1 Host: service.chime.aws.amazon.com Accept-Encoding:
 identity User-Agent: aws-cli/1.16.170 Python/3.6.0 Windows/10 botocore/1.12.160 X-Amz-
Date: 20190918T175735Z Authorization: AUTHPARAMS Content-Length: 88 {"ProductType":
 "BusinessCalling", "E164PhoneNumbers": ["+12065550100", "+12065550101"]}
```

Sample Response

```
HTTP/1.1 201 Created x-amzn-RequestId: 7ac7b213-6e5d-4b2a-a142-ce9a7bb7e455
 Content-Type: application/json Content-Length: 366 Date: Wed, 18
 Sep 2019 17:57:43 GMT Connection: keep-alive {"PhoneNumberOrder":
{"CreatedTimestamp":"2019-09-18T17:57:36.280Z","OrderedPhoneNumbers":
[{"E164PhoneNumber":"+12065550100","Status":"Processing"},
```

```
{"E164PhoneNumber":"+12065550101","Status":"Processing"}],"PhoneNumberOrderId":"abc12345-
de67-89f0-123g-
h45i678j9012","ProductType":"BusinessCalling","Status":"Processing","UpdatedTimestamp":"2019-09
```


See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateProxySession

Service: Amazon Chime SDK Voice

Creates a proxy session for the specified Amazon Chime SDK Voice Connector for the specified participant phone numbers.

Request Syntax

```
POST /voice-connectors/voiceConnectorId/proxy-sessions HTTP/1.1
Content-type: application/json

{
   "Capabilities": [ "string" ],
   "ExpiryMinutes": number,
   "GeoMatchLevel": "string",
   "GeoMatchParams": {
      "AreaCode": "string",
      "Country": "string"
   },
   "Name": "string",
   "NumberSelectionBehavior": "string",
   "ParticipantPhoneNumbers": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Capabilities

The proxy session's capabilities.

Type: Array of strings

Valid Values: `Voice | SMS`

Required: Yes

ExpiryMinutes

The number of minutes allowed for the proxy session.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

GeoMatchLevel

The preference for matching the country or area code of the proxy phone number with that of the first participant.

Type: String

Valid Values: `Country | AreaCode`

Required: No

GeoMatchParams

The country and area code for the proxy phone number.

Type: GeoMatchParams object

Required: No

Name

The name of the proxy session.

Type: String

Pattern: `^$|^[a-zA-Z0-9 ]{0,30}$`

Required: No

NumberSelectionBehavior

The preference for proxy phone number reuse, or stickiness, between the same participants across sessions.

Type: String

Valid Values: `PreferSticky | AvoidSticky`

Required: No

ParticipantPhoneNumbers

The participant phone numbers.

Type: Array of strings

Array Members: Fixed number of 2 items.

Pattern: `^\+?[1-9]\d{1,14}$`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "ProxySession": {
      "Capabilities": [ "string" ],
      "CreatedTimestamp": "string",
      "EndedTimestamp": "string",
      "ExpiryMinutes": number,
      "GeoMatchLevel": "string",
      "GeoMatchParams": {
         "AreaCode": "string",
         "Country": "string"
      },
      "Name": "string",
      "NumberSelectionBehavior": "string",
      "Participants": [
```

```
            {
                "PhoneNumber": "string",
                "ProxyPhoneNumber": "string"
            }
        ],
        "ProxySessionId": "string",
        "Status": "string",
        "UpdatedTimestamp": "string",
        "VoiceConnectorId": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

ProxySession

The proxy session details.

Type: ProxySession object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateSipMediaApplication

Service: Amazon Chime SDK Voice

Creates a SIP media application. For more information about SIP media applications, see Managing SIP media applications and rules in the *Amazon Chime SDK Administrator Guide*.

Request Syntax

```
POST /sip-media-applications HTTP/1.1
Content-type: application/json

{
   "AwsRegion": "string",
   "Endpoints": [
      {
         "LambdaArn": "string"
      }
   ],
   "Name": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AwsRegion

The AWS Region assigned to the SIP media application.

Type: String

Required: Yes

Endpoints

List of endpoints (Lambda ARNs) specified for the SIP media application.

Type: Array of SipMediaApplicationEndpoint objects

Array Members: Fixed number of 1 item.

Required: Yes

Name

The SIP media application's name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: Yes

Tags

The tags assigned to the SIP media application.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "SipMediaApplication": {
      "AwsRegion": "string",
      "CreatedTimestamp": "string",
      "Endpoints": [
         {
```

```
            "LambdaArn": "string"
         }
      ],
      "Name": "string",
      "SipMediaApplicationArn": "string",
      "SipMediaApplicationId": "string",
      "UpdatedTimestamp": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

SipMediaApplication

The SIP media application details.

Type: SipMediaApplication object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateSipMediaApplicationCall

Service: Amazon Chime SDK Voice

Creates an outbound call to a phone number from the phone number specified in the request, and it invokes the endpoint of the specified `sipMediaApplicationId`.

Request Syntax

```
POST /sip-media-applications/sipMediaApplicationId/calls HTTP/1.1
Content-type: application/json

{
   "ArgumentsMap": {
      "string" : "string"
   },
   "FromPhoneNumber": "string",
   "SipHeaders": {
      "string" : "string"
   },
   "ToPhoneNumber": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

sipMediaApplicationId

The ID of the SIP media application.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ArgumentsMap

Context passed to a CreateSipMediaApplication API call. For example, you could pass key-value pairs such as: `"FirstName": "John", "LastName": "Doe"`

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 20 items.

Required: No

FromPhoneNumber

The phone number that a user calls from. This is a phone number in your Amazon Chime SDK phone number inventory.

Type: String

Pattern: `^\+?[1-9]\d{1,14}$`

Required: Yes

SipHeaders

The SIP headers added to an outbound call leg.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 20 items.

Required: No

ToPhoneNumber

The phone number that the service should call.

Type: String

Pattern: `^\+?[1-9]\d{1,14}$`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "SipMediaApplicationCall": {
```

```
        "TransactionId": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

SipMediaApplicationCall

The actual call.

Type: SipMediaApplicationCall object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateSipRule

Service: Amazon Chime SDK Voice

Creates a SIP rule, which can be used to run a SIP media application as a target for a specific trigger type. For more information about SIP rules, see Managing SIP media applications and rules in the *Amazon Chime SDK Administrator Guide*.

Request Syntax

```
POST /sip-rules HTTP/1.1
Content-type: application/json

{
   "Disabled": boolean,
   "Name": "string",
   "TargetApplications": [
      {
         "AwsRegion": "string",
         "Priority": number,
         "SipMediaApplicationId": "string"
      }
   ],
   "TriggerType": "string",
   "TriggerValue": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Disabled

Disables or enables a SIP rule. You must disable SIP rules before you can delete them.

Type: Boolean

Required: No

Name

The name of the SIP rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: Yes

TargetApplications

List of SIP media applications, with priority and AWS Region. Only one SIP application per AWS Region can be used.

Type: Array of SipRuleTargetApplication objects

Array Members: Minimum number of 1 item. Maximum number of 25 items.

Required: No

TriggerType

The type of trigger assigned to the SIP rule in `TriggerValue`, currently `RequestUriHostname` or `ToPhoneNumber`.

Type: String

Valid Values: `ToPhoneNumber | RequestUriHostname`

Required: Yes

TriggerValue

If `TriggerType` is `RequestUriHostname`, the value can be the outbound host name of a Voice Connector. If `TriggerType` is `ToPhoneNumber`, the value can be a customer-owned phone number in the E164 format. The `SipMediaApplication` specified in the `SipRule` is triggered if the request URI in an incoming SIP request matches the `RequestUriHostname`, or if the `To` header in the incoming SIP request matches the `ToPhoneNumber` value.

Type: String

Pattern: `.*\S.*`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "SipRule": {
      "CreatedTimestamp": "string",
      "Disabled": boolean,
      "Name": "string",
      "SipRuleId": "string",
      "TargetApplications": [
         {
            "AwsRegion": "string",
            "Priority": number,
            "SipMediaApplicationId": "string"
         }
      ],
      "TriggerType": "string",
      "TriggerValue": "string",
      "UpdatedTimestamp": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

SipRule

The SIP rule information, including the rule ID, triggers, and target applications.

Type: SipRule object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateVoiceConnector

Service: Amazon Chime SDK Voice

Creates an Amazon Chime SDK Voice Connector. For more information about Voice Connectors, see Managing Amazon Chime SDK Voice Connector groups in the *Amazon Chime SDK Administrator Guide*.

Request Syntax

```
POST /voice-connectors HTTP/1.1
Content-type: application/json

{
   "AwsRegion": "string",
   "IntegrationType": "string",
   "Name": "string",
   "RequireEncryption": boolean,
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AwsRegion

The AWS Region in which the Amazon Chime SDK Voice Connector is created. Default value: `us-east-1`.

Type: String

Valid Values: `us-east-1 | us-west-2 | ca-central-1 | eu-central-1 | eu-west-1 | eu-west-2 | ap-northeast-2 | ap-northeast-1 | ap-southeast-1 | ap-southeast-2`

Required: No

IntegrationType

The connectors for use with Amazon Connect.

The following options are available:

- `CONNECT_CALL_TRANSFER_CONNECTOR` - Enables enterprises to integrate Amazon Connect with other voice systems to directly transfer voice calls and metadata without using the public telephone network. They can use Amazon Connect telephony and Interactive Voice Response (IVR) with their existing voice systems to modernize the IVR experience of their existing contact center and their enterprise and branch voice systems. Additionally, enterprises migrating their contact center to Amazon Connect can start with Connect telephony and IVR for immediate modernization ahead of agent migration.
- `CONNECT_ANALYTICS_CONNECTOR` - Enables enterprises to integrate Amazon Connect with other voice systems for real-time and post-call analytics. They can use Amazon Connect Contact Lens with their existing voice systems to provides call recordings, conversational analytics (including contact transcript, sensitive data redaction, content categorization, theme detection, sentiment analysis, real-time alerts, and post-contact summary), and agent performance evaluations (including evaluation forms, automated evaluation, supervisor review) with a rich user experience to display, search and filter customer interactions, and programmatic access to data streams and the data lake. Additionally, enterprises migrating their contact center to Amazon Connect can start with Contact Lens analytics and performance insights ahead of agent migration.

Type: String

Valid Values: `CONNECT_CALL_TRANSFER_CONNECTOR | CONNECT_ANALYTICS_CONNECTOR`

Required: No

Name

The name of the Voice Connector.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: Yes

RequireEncryption

Enables or disables encryption for the Voice Connector.

Type: Boolean

Required: Yes

Tags

The tags assigned to the Voice Connector.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "VoiceConnector": {
      "AwsRegion": "string",
      "CreatedTimestamp": "string",
      "IntegrationType": "string",
      "Name": "string",
      "OutboundHostName": "string",
      "RequireEncryption": boolean,
      "UpdatedTimestamp": "string",
      "VoiceConnectorArn": "string",
      "VoiceConnectorId": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

VoiceConnector

The details of the Voice Connector.

Type: VoiceConnector object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateVoiceConnectorGroup

Service: Amazon Chime SDK Voice

Creates an Amazon Chime SDK Voice Connector group under the administrator's AWS account. You can associate Amazon Chime SDK Voice Connectors with the Voice Connector group by including `VoiceConnectorItems` in the request.

You can include Voice Connectors from different AWS Regions in your group. This creates a fault tolerant mechanism for fallback in case of availability events.

Request Syntax

```
POST /voice-connector-groups HTTP/1.1
Content-type: application/json

{
   "Name": "string",
   "VoiceConnectorItems": [
      {
         "Priority": number,
         "VoiceConnectorId": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Name

The name of the Voice Connector group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: Yes

VoiceConnectorItems

Lists the Voice Connectors that inbound calls are routed to.

Type: Array of VoiceConnectorItem objects

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "VoiceConnectorGroup": {
      "CreatedTimestamp": "string",
      "Name": "string",
      "UpdatedTimestamp": "string",
      "VoiceConnectorGroupArn": "string",
      "VoiceConnectorGroupId": "string",
      "VoiceConnectorItems": [
         {
            "Priority": number,
            "VoiceConnectorId": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

VoiceConnectorGroup

The details of the Voice Connector group.

Type: VoiceConnectorGroup object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateVoiceProfile

Service: Amazon Chime SDK Voice

Creates a voice profile, which consists of an enrolled user and their latest voice print.

> **Important**
>
> Before creating any voice profiles, you must provide all notices and obtain all consents from the speaker as required under applicable privacy and biometrics laws, and as required under the AWS service terms for the Amazon Chime SDK.

For more information about voice profiles and voice analytics, see Using Amazon Chime SDK Voice Analytics in the *Amazon Chime SDK Developer Guide*.

Request Syntax

```
POST /voice-profiles HTTP/1.1
Content-type: application/json

{
   "SpeakerSearchTaskId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

SpeakerSearchTaskId

The ID of the speaker search task.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "VoiceProfile": {
      "CreatedTimestamp": "string",
      "ExpirationTimestamp": "string",
      "UpdatedTimestamp": "string",
      "VoiceProfileArn": "string",
      "VoiceProfileDomainId": "string",
      "VoiceProfileId": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

VoiceProfile

The requested voice profile.

Type: VoiceProfile object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

GoneException

Access to the target resource is no longer available at the origin server. This condition is likely to be permanent.

HTTP Status Code: 410

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateVoiceProfileDomain

Service: Amazon Chime SDK Voice

Creates a voice profile domain, a collection of voice profiles, their voice prints, and encrypted enrollment audio.

> **Important**
>
> Before creating any voice profiles, you must provide all notices and obtain all consents from the speaker as required under applicable privacy and biometrics laws, and as required under the AWS service terms for the Amazon Chime SDK.

For more information about voice profile domains, see Using Amazon Chime SDK Voice Analytics in the *Amazon Chime SDK Developer Guide*.

Request Syntax

```
POST /voice-profile-domains HTTP/1.1
Content-type: application/json

{
   "ClientRequestToken": "string",
   "Description": "string",
   "Name": "string",
   "ServerSideEncryptionConfiguration": {
      "KmsKeyArn": "string"
   },
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientRequestToken

The unique identifier for the client request. Use a different token for different domain creation requests.

Type: String

Pattern: `^[-_a-zA-Z0-9]*${2,64}$`

Required: No

Description

A description of the voice profile domain.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

Name

The name of the voice profile domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: Yes

ServerSideEncryptionConfiguration

The server-side encryption configuration for the request.

Type: ServerSideEncryptionConfiguration object

Required: Yes

Tags

The tags assigned to the domain.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "VoiceProfileDomain": {
      "CreatedTimestamp": "string",
      "Description": "string",
      "Name": "string",
      "ServerSideEncryptionConfiguration": {
         "KmsKeyArn": "string"
      },
      "UpdatedTimestamp": "string",
      "VoiceProfileDomainArn": "string",
      "VoiceProfileDomainId": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

VoiceProfileDomain

The requested voice profile domain.

Type: VoiceProfileDomain object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeletePhoneNumber

Service: Amazon Chime SDK Voice

Moves the specified phone number into the **Deletion queue**. A phone number must be disassociated from any users or Amazon Chime SDK Voice Connectors before it can be deleted.

Deleted phone numbers remain in the **Deletion queue** queue for 7 days before they are deleted permanently.

Request Syntax

```
DELETE /phone-numbers/phoneNumberId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

phoneNumberId

The phone number ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteProxySession

Service: Amazon Chime SDK Voice

Deletes the specified proxy session from the specified Amazon Chime SDK Voice Connector.

Request Syntax

```
DELETE /voice-connectors/voiceConnectorId/proxy-sessions/proxySessionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

proxySessionId

The proxy session ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

voiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteSipMediaApplication

Service: Amazon Chime SDK Voice

Deletes a SIP media application.

Request Syntax

```
DELETE /sip-media-applications/sipMediaApplicationId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

sipMediaApplicationId

The SIP media application ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteSipRule

Service: Amazon Chime SDK Voice

Deletes a SIP rule.

Request Syntax

```
DELETE /sip-rules/sipRuleId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

sipRuleId

The SIP rule ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteVoiceConnector

Service: Amazon Chime SDK Voice

Deletes an Amazon Chime SDK Voice Connector. Any phone numbers associated with the Amazon Chime SDK Voice Connector must be disassociated from it before it can be deleted.

Request Syntax

```
DELETE /voice-connectors/voiceConnectorId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteVoiceConnectorEmergencyCallingConfiguration

Service: Amazon Chime SDK Voice

Deletes the emergency calling details from the specified Amazon Chime SDK Voice Connector.

Request Syntax

```
DELETE /voice-connectors/voiceConnectorId/emergency-calling-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteVoiceConnectorExternalSystemsConfiguration

Service: Amazon Chime SDK Voice

Deletes the external systems configuration for a Voice Connector.

Request Syntax

```
DELETE /voice-connectors/voiceConnectorId/external-systems-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The ID of the Voice Connector for which to delete the external system configuration.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteVoiceConnectorGroup

Service: Amazon Chime SDK Voice

Deletes an Amazon Chime SDK Voice Connector group. Any `VoiceConnectorItems` and phone numbers associated with the group must be removed before it can be deleted.

Request Syntax

```
DELETE /voice-connector-groups/voiceConnectorGroupId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorGroupId

The Voice Connector Group ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteVoiceConnectorOrigination

Service: Amazon Chime SDK Voice

Deletes the origination settings for the specified Amazon Chime SDK Voice Connector.

> **Note**
>
> If emergency calling is configured for the Voice Connector, it must be deleted prior to deleting the origination settings.

Request Syntax

```
DELETE /voice-connectors/voiceConnectorId/origination HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteVoiceConnectorProxy

Service: Amazon Chime SDK Voice

Deletes the proxy configuration from the specified Amazon Chime SDK Voice Connector.

Request Syntax

```
DELETE /voice-connectors/voiceConnectorId/programmable-numbers/proxy HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteVoiceConnectorStreamingConfiguration

Service: Amazon Chime SDK Voice

Deletes a Voice Connector's streaming configuration.

Request Syntax

```
DELETE /voice-connectors/voiceConnectorId/streaming-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteVoiceConnectorTermination

Service: Amazon Chime SDK Voice

Deletes the termination settings for the specified Amazon Chime SDK Voice Connector.

> **Note**
>
> If emergency calling is configured for the Voice Connector, it must be deleted prior to deleting the termination settings.

Request Syntax

```
DELETE /voice-connectors/voiceConnectorId/termination HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteVoiceConnectorTerminationCredentials

Service: Amazon Chime SDK Voice

Deletes the specified SIP credentials used by your equipment to authenticate during call termination.

Request Syntax

```
POST /voice-connectors/voiceConnectorId/termination/credentials?operation=delete
 HTTP/1.1
Content-type: application/json

{
   "Usernames": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Usernames

The RFC2617 compliant username associated with the SIP credentials, in US-ASCII format.

Type: Array of strings

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteVoiceProfile

Service: Amazon Chime SDK Voice

Deletes a voice profile, including its voice print and enrollment data. WARNING: This action is not reversible.

Request Syntax

```
DELETE /voice-profiles/VoiceProfileId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

VoiceProfileId

The voice profile ID.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteVoiceProfileDomain

Service: Amazon Chime SDK Voice

Deletes all voice profiles in the domain. WARNING: This action is not reversible.

Request Syntax

```
DELETE /voice-profile-domains/VoiceProfileDomainId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

VoiceProfileDomainId

The voice profile domain ID.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DisassociatePhoneNumbersFromVoiceConnector

Service: Amazon Chime SDK Voice

Disassociates the specified phone numbers from the specified Amazon Chime SDK Voice Connector.

Request Syntax

```
POST /voice-connectors/{voiceConnectorId}?operation=disassociate-phone-numbers HTTP/1.1
Content-type: application/json

{
   "E164PhoneNumbers": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

E164PhoneNumbers

List of phone numbers, in E.164 format.

Type: Array of strings

Pattern: `^\+?[1-9]\d{1,14}$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "PhoneNumberErrors": [
      {
         "ErrorCode": "string",
         "ErrorMessage": "string",
         "PhoneNumberId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PhoneNumberErrors

If the action fails for one or more of the phone numbers in the request, a list of the phone numbers is returned, along with error codes and error messages.

Type: Array of PhoneNumberError objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DisassociatePhoneNumbersFromVoiceConnectorGroup

Service: Amazon Chime SDK Voice

Disassociates the specified phone numbers from the specified Amazon Chime SDK Voice Connector group.

Request Syntax

```
POST /voice-connector-groups/{voiceConnectorGroupId}?operation=disassociate-phone-
numbers HTTP/1.1
Content-type: application/json

{
   "E164PhoneNumbers": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorGroupId

The Voice Connector group ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

E164PhoneNumbers

The list of phone numbers, in E.164 format.

Type: Array of strings

Pattern: `^\+?[1-9]\d{1,14}$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "PhoneNumberErrors": [
      {
         "ErrorCode": "string",
         "ErrorMessage": "string",
         "PhoneNumberId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PhoneNumberErrors

If the action fails for one or more of the phone numbers in the request, a list of the phone numbers is returned, along with error codes and error messages.

Type: Array of PhoneNumberError objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetGlobalSettings

Service: Amazon Chime SDK Voice

Retrieves the global settings for the Amazon Chime SDK Voice Connectors in an AWS account.

Request Syntax

```
GET /settings HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "VoiceConnector": {
      "CdrBucket": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VoiceConnector

The Voice Connector settings.

Type: VoiceConnectorSettings object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetPhoneNumber

Service: Amazon Chime SDK Voice

Retrieves details for the specified phone number ID, such as associations, capabilities, and product type.

Request Syntax

```
GET /phone-numbers/phoneNumberId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

phoneNumberId

The phone number ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "PhoneNumber": {
      "Associations": [
         {
            "AssociatedTimestamp": "string",
            "Name": "string",
            "Value": "string"
         }
      ],
```

```
        "CallingName": "string",
        "CallingNameStatus": "string",
        "Capabilities": {
           "InboundCall": boolean,
           "InboundMMS": boolean,
           "InboundSMS": boolean,
           "OutboundCall": boolean,
           "OutboundMMS": boolean,
           "OutboundSMS": boolean
        },
        "Country": "string",
        "CreatedTimestamp": "string",
        "DeletionTimestamp": "string",
        "E164PhoneNumber": "string",
        "Name": "string",
        "OrderId": "string",
        "PhoneNumberId": "string",
        "ProductType": "string",
        "Status": "string",
        "Type": "string",
        "UpdatedTimestamp": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PhoneNumber

The phone number details.

Type: PhoneNumber object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetPhoneNumberOrder

Service: Amazon Chime SDK Voice

Retrieves details for the specified phone number order, such as the order creation timestamp, phone numbers in E.164 format, product type, and order status.

Request Syntax

```
GET /phone-number-orders/phoneNumberOrderId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

phoneNumberOrderId

The ID of the phone number order .

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "PhoneNumberOrder": {
      "CreatedTimestamp": "string",
      "FocDate": "string",
      "OrderedPhoneNumbers": [
         {
            "E164PhoneNumber": "string",
            "Status": "string"
         }
      ],
```

```
        "OrderType": "string",
        "PhoneNumberOrderId": "string",
        "ProductType": "string",
        "Status": "string",
        "UpdatedTimestamp": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PhoneNumberOrder

The phone number order details.

Type: PhoneNumberOrder object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetPhoneNumberSettings

Service: Amazon Chime SDK Voice

Retrieves the phone number settings for the administrator's AWS account, such as the default outbound calling name.

Request Syntax

```
GET /settings/phone-number HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CallingName": "string",
   "CallingNameUpdatedTimestamp": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CallingName

The default outbound calling name for the account.

Type: String

Pattern: `^$|^[a-zA-Z0-9 ]{2,15}$`

CallingNameUpdatedTimestamp

The updated outbound calling name timestamp, in ISO 8601 format.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetProxySession

Service: Amazon Chime SDK Voice

Retrieves the specified proxy session details for the specified Amazon Chime SDK Voice Connector.

Request Syntax

```
GET /voice-connectors/voiceConnectorId/proxy-sessions/proxySessionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

proxySessionId

The proxy session ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

voiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "ProxySession": {
      "Capabilities": [ "string" ],
      "CreatedTimestamp": "string",
      "EndedTimestamp": "string",
      "ExpiryMinutes": number,
      "GeoMatchLevel": "string",
      "GeoMatchParams": {
         "AreaCode": "string",
         "Country": "string"
      },
      "Name": "string",
      "NumberSelectionBehavior": "string",
      "Participants": [
         {
            "PhoneNumber": "string",
            "ProxyPhoneNumber": "string"
         }
      ],
      "ProxySessionId": "string",
      "Status": "string",
      "UpdatedTimestamp": "string",
      "VoiceConnectorId": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ProxySession

The proxy session details.

Type: ProxySession object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetSipMediaApplication

Service: Amazon Chime SDK Voice

Retrieves the information for a SIP media application, including name, AWS Region, and endpoints.

Request Syntax

```
GET /sip-media-applications/sipMediaApplicationId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

sipMediaApplicationId

The SIP media application ID .

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "SipMediaApplication": {
      "AwsRegion": "string",
      "CreatedTimestamp": "string",
      "Endpoints": [
         {
            "LambdaArn": "string"
         }
      ],
      "Name": "string",
      "SipMediaApplicationArn": "string",
```

```
        "SipMediaApplicationId": "string",
        "UpdatedTimestamp": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

SipMediaApplication

The details of the SIP media application.

Type: SipMediaApplication object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetSipMediaApplicationAlexaSkillConfiguration

Service: Amazon Chime SDK Voice

Gets the Alexa Skill configuration for the SIP media application.

> **Important**
>
> Due to changes made by the Amazon Alexa service, this API is no longer available for use. For more information, refer to the Alexa Smart Properties page.

Request Syntax

```
GET /sip-media-applications/sipMediaApplicationId/alexa-skill-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

sipMediaApplicationId

The SIP media application ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "SipMediaApplicationAlexaSkillConfiguration": {
      "AlexaSkillIds": [ "string" ],
      "AlexaSkillStatus": "string"
```

```
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

SipMediaApplicationAlexaSkillConfiguration

Returns the Alexa Skill configuration.

Type: SipMediaApplicationAlexaSkillConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetSipMediaApplicationLoggingConfiguration

Service: Amazon Chime SDK Voice

Retrieves the logging configuration for the specified SIP media application.

Request Syntax

```
GET /sip-media-applications/sipMediaApplicationId/logging-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

sipMediaApplicationId

The SIP media application ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "SipMediaApplicationLoggingConfiguration": {
      "EnableSipMediaApplicationMessageLogs": boolean
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

SipMediaApplicationLoggingConfiguration

The actual logging configuration.

Type: SipMediaApplicationLoggingConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetSipRule

Service: Amazon Chime SDK Voice

Retrieves the details of a SIP rule, such as the rule ID, name, triggers, and target endpoints.

Request Syntax

```
GET /sip-rules/sipRuleId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

sipRuleId

The SIP rule ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "SipRule": {
      "CreatedTimestamp": "string",
      "Disabled": boolean,
      "Name": "string",
      "SipRuleId": "string",
      "TargetApplications": [
         {
            "AwsRegion": "string",
            "Priority": number,
            "SipMediaApplicationId": "string"
```

```
            }
        ],
        "TriggerType": "string",
        "TriggerValue": "string",
        "UpdatedTimestamp": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

SipRule

The SIP rule details.

Type: SipRule object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetSpeakerSearchTask

Service: Amazon Chime SDK Voice

Retrieves the details of the specified speaker search task.

Request Syntax

```
GET /voice-connectors/VoiceConnectorId/speaker-search-tasks/SpeakerSearchTaskId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

SpeakerSearchTaskId

The ID of the speaker search task.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

VoiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "SpeakerSearchTask": {
      "CallDetails": {
         "IsCaller": boolean,
         "TransactionId": "string",
         "VoiceConnectorId": "string"
      },
      "CreatedTimestamp": "string",
      "SpeakerSearchDetails": {
         "Results": [
            {
               "ConfidenceScore": number,
               "VoiceProfileId": "string"
            }
         ],
         "VoiceprintGenerationStatus": "string"
      },
      "SpeakerSearchTaskId": "string",
      "SpeakerSearchTaskStatus": "string",
      "StartedTimestamp": "string",
      "StatusMessage": "string",
      "UpdatedTimestamp": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

SpeakerSearchTask

The details of the speaker search task.

Type: SpeakerSearchTask object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceConnector

Service: Amazon Chime SDK Voice

Retrieves details for the specified Amazon Chime SDK Voice Connector, such as timestamps,name, outbound host, and encryption requirements.

Request Syntax

```
GET /voice-connectors/voiceConnectorId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "VoiceConnector": {
      "AwsRegion": "string",
      "CreatedTimestamp": "string",
      "IntegrationType": "string",
      "Name": "string",
      "OutboundHostName": "string",
      "RequireEncryption": boolean,
      "UpdatedTimestamp": "string",
```

```
        "VoiceConnectorArn": "string",
        "VoiceConnectorId": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VoiceConnector

The Voice Connector details.

Type: VoiceConnector object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceConnectorEmergencyCallingConfiguration

Service: Amazon Chime SDK Voice

Retrieves the emergency calling configuration details for the specified Voice Connector.

Request Syntax

```
GET /voice-connectors/voiceConnectorId/emergency-calling-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "EmergencyCallingConfiguration": {
      "DNIS": [
         {
            "CallingCountry": "string",
            "EmergencyPhoneNumber": "string",
            "TestPhoneNumber": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

EmergencyCallingConfiguration

The details of the emergency calling configuration.

Type: EmergencyCallingConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceConnectorExternalSystemsConfiguration

Service: Amazon Chime SDK Voice

Gets information about an external systems configuration for a Voice Connector.

Request Syntax

```
GET /voice-connectors/voiceConnectorId/external-systems-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The ID of the Voice Connector for which to return information about the external system configuration.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ExternalSystemsConfiguration": {
      "ContactCenterSystemTypes": [ "string" ],
      "SessionBorderControllerTypes": [ "string" ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ExternalSystemsConfiguration

An object that contains information about an external systems configuration for a Voice Connector.

Type: ExternalSystemsConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceConnectorGroup

Service: Amazon Chime SDK Voice

Retrieves details for the specified Amazon Chime SDK Voice Connector group, such as timestamps,name, and associated `VoiceConnectorItems`.

Request Syntax

```
GET /voice-connector-groups/voiceConnectorGroupId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorGroupId

The Voice Connector group ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "VoiceConnectorGroup": {
      "CreatedTimestamp": "string",
      "Name": "string",
      "UpdatedTimestamp": "string",
      "VoiceConnectorGroupArn": "string",
      "VoiceConnectorGroupId": "string",
      "VoiceConnectorItems": [
         {
            "Priority": number,
```

```
            "VoiceConnectorId": "string"
        }
    ]
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VoiceConnectorGroup

The details of the Voice Connector group.

Type: VoiceConnectorGroup object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceConnectorLoggingConfiguration

Service: Amazon Chime SDK Voice

Retrieves the logging configuration settings for the specified Voice Connector. Shows whether SIP message logs are enabled for sending to Amazon CloudWatch Logs.

Request Syntax

```
GET /voice-connectors/voiceConnectorId/logging-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "LoggingConfiguration": {
      "EnableMediaMetricLogs": boolean,
      "EnableSIPLogs": boolean
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LoggingConfiguration

The logging configuration details .

Type: LoggingConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceConnectorOrigination

Service: Amazon Chime SDK Voice

Retrieves the origination settings for the specified Voice Connector.

Request Syntax

```
GET /voice-connectors/voiceConnectorId/origination HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Origination": {
      "Disabled": boolean,
      "Routes": [
         {
            "Host": "string",
            "Port": number,
            "Priority": number,
            "Protocol": "string",
            "Weight": number
         }
```

```
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Origination

The origination setting details.

Type: Origination object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceConnectorProxy

Service: Amazon Chime SDK Voice

Retrieves the proxy configuration details for the specified Amazon Chime SDK Voice Connector.

Request Syntax

```
GET /voice-connectors/voiceConnectorId/programmable-numbers/proxy HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Proxy": {
      "DefaultSessionExpiryMinutes": number,
      "Disabled": boolean,
      "FallBackPhoneNumber": "string",
      "PhoneNumberCountries": [ "string" ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Proxy

The proxy configuration details.

Type: Proxy object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceConnectorStreamingConfiguration

Service: Amazon Chime SDK Voice

Retrieves the streaming configuration details for the specified Amazon Chime SDK Voice Connector. Shows whether media streaming is enabled for sending to Amazon Kinesis. It also shows the retention period, in hours, for the Amazon Kinesis data.

Request Syntax

```
GET /voice-connectors/voiceConnectorId/streaming-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "StreamingConfiguration": {
      "DataRetentionInHours": number,
      "Disabled": boolean,
      "MediaInsightsConfiguration": {
         "ConfigurationArn": "string",
         "Disabled": boolean
      },
      "StreamingNotificationTargets": [
```

```
            {
                "NotificationTarget": "string"
            }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

StreamingConfiguration

The details of the streaming configuration.

Type: StreamingConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceConnectorTermination

Service: Amazon Chime SDK Voice

Retrieves the termination setting details for the specified Voice Connector.

Request Syntax

```
GET /voice-connectors/voiceConnectorId/termination HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Termination": {
      "CallingRegions": [ "string" ],
      "CidrAllowedList": [ "string" ],
      "CpsLimit": number,
      "DefaultPhoneNumber": "string",
      "Disabled": boolean
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Termination

The termination setting details.

Type: Termination object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceConnectorTerminationHealth

Service: Amazon Chime SDK Voice

Retrieves information about the last time a `SIP OPTIONS` ping was received from your SIP infrastructure for the specified Amazon Chime SDK Voice Connector.

Request Syntax

```
GET /voice-connectors/voiceConnectorId/termination/health HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "TerminationHealth": {
      "Source": "string",
      "Timestamp": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

TerminationHealth

The termination health details.

Type: TerminationHealth object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceProfile

Service: Amazon Chime SDK Voice

Retrieves the details of the specified voice profile.

Request Syntax

```
GET /voice-profiles/VoiceProfileId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

VoiceProfileId

The voice profile ID.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "VoiceProfile": {
      "CreatedTimestamp": "string",
      "ExpirationTimestamp": "string",
      "UpdatedTimestamp": "string",
      "VoiceProfileArn": "string",
      "VoiceProfileDomainId": "string",
      "VoiceProfileId": "string"
   }
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VoiceProfile

The voice profile details.

Type: VoiceProfile object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceProfileDomain

Service: Amazon Chime SDK Voice

Retrieves the details of the specified voice profile domain.

Request Syntax

```
GET /voice-profile-domains/VoiceProfileDomainId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

VoiceProfileDomainId

The voice profile domain ID.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "VoiceProfileDomain": {
      "CreatedTimestamp": "string",
      "Description": "string",
      "Name": "string",
      "ServerSideEncryptionConfiguration": {
         "KmsKeyArn": "string"
      },
      "UpdatedTimestamp": "string",
```

```
        "VoiceProfileDomainArn": "string",
        "VoiceProfileDomainId": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VoiceProfileDomain

The details of the voice profile domain.

Type: VoiceProfileDomain object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetVoiceToneAnalysisTask

Service: Amazon Chime SDK Voice

Retrieves the details of a voice tone analysis task.

Request Syntax

```
GET /voice-connectors/VoiceConnectorId/voice-tone-analysis-
tasks/VoiceToneAnalysisTaskId?isCaller=IsCaller HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

IsCaller

Specifies whether the voice being analyzed is the caller (originator) or the callee (responder).

Required: Yes

VoiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

VoiceToneAnalysisTaskId

The ID of the voice tone analysis task.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "VoiceToneAnalysisTask": {
      "CallDetails": {
         "IsCaller": boolean,
         "TransactionId": "string",
         "VoiceConnectorId": "string"
      },
      "CreatedTimestamp": "string",
      "StartedTimestamp": "string",
      "StatusMessage": "string",
      "UpdatedTimestamp": "string",
      "VoiceToneAnalysisTaskId": "string",
      "VoiceToneAnalysisTaskStatus": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VoiceToneAnalysisTask

The details of the voice tone analysis task.

Type: VoiceToneAnalysisTask object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListAvailableVoiceConnectorRegions

Service: Amazon Chime SDK Voice

Lists the available AWS Regions in which you can create an Amazon Chime SDK Voice Connector.

Request Syntax

```
GET /voice-connector-regions HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "VoiceConnectorRegions": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VoiceConnectorRegions

The list of AWS Regions.

Type: Array of strings

Valid Values: `us-east-1 | us-west-2 | ca-central-1 | eu-central-1 | eu-west-1 | eu-west-2 | ap-northeast-2 | ap-northeast-1 | ap-southeast-1 | ap-southeast-2`

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListPhoneNumberOrders

Service: Amazon Chime SDK Voice

Lists the phone numbers for an administrator's Amazon Chime SDK account.

Request Syntax

```
GET /phone-number-orders?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return in a single call.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token used to retrieve the next page of results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "PhoneNumberOrders": [
      {
         "CreatedTimestamp": "string",
         "FocDate": "string",
         "OrderedPhoneNumbers": [
            {
               "E164PhoneNumber": "string",
               "Status": "string"
```

```
            }
        ],
        "OrderType": "string",
        "PhoneNumberOrderId": "string",
        "ProductType": "string",
        "Status": "string",
        "UpdatedTimestamp": "string"
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token used to retrieve the next page of results.

Type: String

PhoneNumberOrders

The phone number order details.

Type: Array of PhoneNumberOrder objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListPhoneNumbers

Service: Amazon Chime SDK Voice

Lists the phone numbers for the specified Amazon Chime SDK account, Amazon Chime SDK user, Amazon Chime SDK Voice Connector, or Amazon Chime SDK Voice Connector group.

Request Syntax

```
GET /phone-numbers?filter-name=FilterName&filter-value=FilterValue&max-results=MaxResults&next-token=NextToken&product-type=ProductType&status=Status HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

FilterName

The filter to limit the number of results.

Valid Values: `VoiceConnectorId | VoiceConnectorGroupId | SipRuleId`

FilterValue

The filter value.

MaxResults

The maximum number of results to return in a single call.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token used to return the next page of results.

ProductType

The phone number product types.

Valid Values: `VoiceConnector | SipMediaApplicationDialIn`

Status

The status of your organization's phone numbers.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "PhoneNumbers": [
      {
         "Associations": [
            {
               "AssociatedTimestamp": "string",
               "Name": "string",
               "Value": "string"
            }
         ],
         "CallingName": "string",
         "CallingNameStatus": "string",
         "Capabilities": {
            "InboundCall": boolean,
            "InboundMMS": boolean,
            "InboundSMS": boolean,
            "OutboundCall": boolean,
            "OutboundMMS": boolean,
            "OutboundSMS": boolean
         },
         "Country": "string",
         "CreatedTimestamp": "string",
         "DeletionTimestamp": "string",
         "E164PhoneNumber": "string",
         "Name": "string",
         "OrderId": "string",
         "PhoneNumberId": "string",
         "ProductType": "string",
         "Status": "string",
         "Type": "string",
         "UpdatedTimestamp": "string"
      }
   ]
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token used to return the next page of results.

Type: String

PhoneNumbers

The phone number details.

Type: Array of PhoneNumber objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListProxySessions

Service: Amazon Chime SDK Voice

Lists the proxy sessions for the specified Amazon Chime SDK Voice Connector.

Request Syntax

```
GET /voice-connectors/voiceConnectorId/proxy-sessions?max-results=MaxResults&next-
token=NextToken&status=Status HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return in a single call.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token used to retrieve the next page of results.

Length Constraints: Maximum length of 65535.

Status

The proxy session status.

Valid Values: `Open | InProgress | Closed`

voiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "ProxySessions": [
      {
         "Capabilities": [ "string" ],
         "CreatedTimestamp": "string",
         "EndedTimestamp": "string",
         "ExpiryMinutes": number,
         "GeoMatchLevel": "string",
         "GeoMatchParams": {
            "AreaCode": "string",
            "Country": "string"
         },
         "Name": "string",
         "NumberSelectionBehavior": "string",
         "Participants": [
            {
               "PhoneNumber": "string",
               "ProxyPhoneNumber": "string"
            }
         ],
         "ProxySessionId": "string",
         "Status": "string",
         "UpdatedTimestamp": "string",
         "VoiceConnectorId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token used to retrieve the next page of results.

Type: String

Length Constraints: Maximum length of 65535.

ProxySessions

The proxy sessions' details.

Type: Array of ProxySession objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListSipMediaApplications

Service: Amazon Chime SDK Voice

Lists the SIP media applications under the administrator's AWS account.

Request Syntax

```
GET /sip-media-applications?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return in a single call. Defaults to 100.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token used to return the next page of results.

Length Constraints: Maximum length of 65535.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "SipMediaApplications": [
      {
         "AwsRegion": "string",
         "CreatedTimestamp": "string",
         "Endpoints": [
            {
```

```
                "LambdaArn": "string"
            }
        ],
        "Name": "string",
        "SipMediaApplicationArn": "string",
        "SipMediaApplicationId": "string",
        "UpdatedTimestamp": "string"
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token used to return the next page of results.

Type: String

Length Constraints: Maximum length of 65535.

SipMediaApplications

The list of SIP media applications and application details.

Type: Array of SipMediaApplication objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListSipRules

Service: Amazon Chime SDK Voice

Lists the SIP rules under the administrator's AWS account.

Request Syntax

```
GET /sip-rules?max-results=MaxResults&next-token=NextToken&sip-media-
application=SipMediaApplicationId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return in a single call. Defaults to 100.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token used to return the next page of results.

Length Constraints: Maximum length of 65535.

SipMediaApplicationId

The SIP media application ID.

Pattern: `.*\S.*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
```

```
    "SipRules": [
       {
          "CreatedTimestamp": "string",
          "Disabled": boolean,
          "Name": "string",
          "SipRuleId": "string",
          "TargetApplications": [
             {
                "AwsRegion": "string",
                "Priority": number,
                "SipMediaApplicationId": "string"
             }
          ],
          "TriggerType": "string",
          "TriggerValue": "string",
          "UpdatedTimestamp": "string"
       }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token used to return the next page of results.

Type: String

Length Constraints: Maximum length of 65535.

SipRules

The list of SIP rules and details.

Type: Array of SipRule objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListSupportedPhoneNumberCountries

Service: Amazon Chime SDK Voice

Lists the countries that you can order phone numbers from.

Request Syntax

```
GET /phone-number-countries?product-type=ProductType HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ProductType

The phone number product type.

Valid Values: `VoiceConnector | SipMediaApplicationDialIn`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "PhoneNumberCountries": [
      {
         "CountryCode": "string",
         "SupportedPhoneNumberTypes": [ "string" ]
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PhoneNumberCountries

The supported phone number countries.

Type: Array of PhoneNumberCountry objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListTagsForResource

Service: Amazon Chime SDK Voice

Returns a list of the tags in a given resource.

Request Syntax

```
GET /tags?arn=ResourceARN HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceARN

The resource ARN.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Tags

The tags in the list.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListVoiceConnectorGroups

Service: Amazon Chime SDK Voice

Lists the Amazon Chime SDK Voice Connector groups in the administrator's AWS account.

Request Syntax

```
GET /voice-connector-groups?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return in a single call.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token used to return the next page of results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "VoiceConnectorGroups": [
      {
         "CreatedTimestamp": "string",
         "Name": "string",
         "UpdatedTimestamp": "string",
         "VoiceConnectorGroupArn": "string",
         "VoiceConnectorGroupId": "string",
```

```
        "VoiceConnectorItems": [
           {
              "Priority": number,
              "VoiceConnectorId": "string"
           }
        ]
     }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token used to return the next page of results.

Type: String

VoiceConnectorGroups

The details of the Voice Connector groups.

Type: Array of VoiceConnectorGroup objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListVoiceConnectors

Service: Amazon Chime SDK Voice

Lists the Amazon Chime SDK Voice Connectors in the administrators AWS account.

Request Syntax

```
GET /voice-connectors?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return in a single call.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token used to return the next page of results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "VoiceConnectors": [
      {
         "AwsRegion": "string",
         "CreatedTimestamp": "string",
         "IntegrationType": "string",
         "Name": "string",
         "OutboundHostName": "string",
         "RequireEncryption": boolean,
```

```
            "UpdatedTimestamp": "string",
            "VoiceConnectorArn": "string",
            "VoiceConnectorId": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token used to return the next page of results.

Type: String

VoiceConnectors

The details of the Voice Connectors.

Type: Array of VoiceConnector objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListVoiceConnectorTerminationCredentials

Service: Amazon Chime SDK Voice

Lists the SIP credentials for the specified Amazon Chime SDK Voice Connector.

Request Syntax

```
GET /voice-connectors/voiceConnectorId/termination/credentials HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Usernames": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Usernames

A list of user names.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListVoiceProfileDomains

Service: Amazon Chime SDK Voice

Lists the specified voice profile domains in the administrator's AWS account.

Request Syntax

```
GET /voice-profile-domains?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return in a single call.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token used to return the next page of results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "VoiceProfileDomains": [
      {
         "CreatedTimestamp": "string",
         "Description": "string",
         "Name": "string",
         "UpdatedTimestamp": "string",
         "VoiceProfileDomainArn": "string",
```

```
            "VoiceProfileDomainId": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token used to return the next page of results.

Type: String

VoiceProfileDomains

The list of voice profile domains.

Type: Array of VoiceProfileDomainSummary objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListVoiceProfiles

Service: Amazon Chime SDK Voice

Lists the voice profiles in a voice profile domain.

Request Syntax

```
GET /voice-profiles?max-results=MaxResults&next-token=NextToken&voice-profile-domain-id=VoiceProfileDomainId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results in the request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token used to retrieve the next page of results.

VoiceProfileDomainId

The ID of the voice profile domain.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "NextToken": "string",
   "VoiceProfiles": [
      {
         "CreatedTimestamp": "string",
         "ExpirationTimestamp": "string",
         "UpdatedTimestamp": "string",
         "VoiceProfileArn": "string",
         "VoiceProfileDomainId": "string",
         "VoiceProfileId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token used to retrieve the next page of results.

Type: String

VoiceProfiles

The list of voice profiles.

Type: Array of VoiceProfileSummary objects

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutSipMediaApplicationAlexaSkillConfiguration

Service: Amazon Chime SDK Voice

Updates the Alexa Skill configuration for the SIP media application.

> **Important**
>
> Due to changes made by the Amazon Alexa service, this API is no longer available for use. For more information, refer to the Alexa Smart Properties page.

Request Syntax

```
PUT /sip-media-applications/sipMediaApplicationId/alexa-skill-configuration HTTP/1.1
Content-type: application/json

{
   "SipMediaApplicationAlexaSkillConfiguration": {
      "AlexaSkillIds": [ "string" ],
      "AlexaSkillStatus": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

sipMediaApplicationId

The SIP media application ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

SipMediaApplicationAlexaSkillConfiguration

The Alexa Skill configuration.

Type: SipMediaApplicationAlexaSkillConfiguration object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "SipMediaApplicationAlexaSkillConfiguration": {
      "AlexaSkillIds": [ "string" ],
      "AlexaSkillStatus": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

SipMediaApplicationAlexaSkillConfiguration

Returns the Alexa Skill configuration.

Type: SipMediaApplicationAlexaSkillConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutSipMediaApplicationLoggingConfiguration

Service: Amazon Chime SDK Voice

Updates the logging configuration for the specified SIP media application.

Request Syntax

```
PUT /sip-media-applications/sipMediaApplicationId/logging-configuration HTTP/1.1
Content-type: application/json

{
   "SipMediaApplicationLoggingConfiguration": {
      "EnableSipMediaApplicationMessageLogs": boolean
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

sipMediaApplicationId

The SIP media application ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

SipMediaApplicationLoggingConfiguration

The logging configuration for the specified SIP media application.

Type: SipMediaApplicationLoggingConfiguration object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "SipMediaApplicationLoggingConfiguration": {
      "EnableSipMediaApplicationMessageLogs": boolean
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

SipMediaApplicationLoggingConfiguration

The updated logging configuration for the specified SIP media application.

Type: SipMediaApplicationLoggingConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutVoiceConnectorEmergencyCallingConfiguration

Service: Amazon Chime SDK Voice

Updates a Voice Connector's emergency calling configuration.

Request Syntax

```
PUT /voice-connectors/voiceConnectorId/emergency-calling-configuration HTTP/1.1
Content-type: application/json

{
   "EmergencyCallingConfiguration": {
      "DNIS": [
         {
            "CallingCountry": "string",
            "EmergencyPhoneNumber": "string",
            "TestPhoneNumber": "string"
         }
      ]
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

EmergencyCallingConfiguration

The configuration being updated.

Type: EmergencyCallingConfiguration object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "EmergencyCallingConfiguration": {
      "DNIS": [
         {
            "CallingCountry": "string",
            "EmergencyPhoneNumber": "string",
            "TestPhoneNumber": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

EmergencyCallingConfiguration

The updated configuration.

Type: EmergencyCallingConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutVoiceConnectorExternalSystemsConfiguration

Service: Amazon Chime SDK Voice

Adds an external systems configuration to a Voice Connector.

Request Syntax

```
PUT /voice-connectors/voiceConnectorId/external-systems-configuration HTTP/1.1
Content-type: application/json

{
   "ContactCenterSystemTypes": [ "string" ],
   "SessionBorderControllerTypes": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The ID of the Voice Connector for which to add the external system configuration.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ContactCenterSystemTypes

The contact center system to use.

Type: Array of strings

Valid Values: `GENESYS_ENGAGE_ON_PREMISES | AVAYA_AURA_CALL_CENTER_ELITE | AVAYA_AURA_CONTACT_CENTER | CISCO_UNIFIED_CONTACT_CENTER_ENTERPRISE`

Required: No

SessionBorderControllerTypes

The session border controllers to use.

Type: Array of strings

Valid Values: `RIBBON_SBC | ORACLE_ACME_PACKET_SBC | AVAYA_SBCE | CISCO_UNIFIED_BORDER_ELEMENT | AUDIOCODES_MEDIANT_SBC`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ExternalSystemsConfiguration": {
      "ContactCenterSystemTypes": [ "string" ],
      "SessionBorderControllerTypes": [ "string" ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ExternalSystemsConfiguration

An object that contains information about an external systems configuration for a Voice Connector.

Type: ExternalSystemsConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutVoiceConnectorLoggingConfiguration

Service: Amazon Chime SDK Voice

Updates a Voice Connector's logging configuration.

Request Syntax

```
PUT /voice-connectors/voiceConnectorId/logging-configuration HTTP/1.1
Content-type: application/json

{
   "LoggingConfiguration": {
      "EnableMediaMetricLogs": boolean,
      "EnableSIPLogs": boolean
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

LoggingConfiguration

The logging configuration being updated.

Type: LoggingConfiguration object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "LoggingConfiguration": {
      "EnableMediaMetricLogs": boolean,
      "EnableSIPLogs": boolean
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LoggingConfiguration

The updated logging configuration.

Type: LoggingConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutVoiceConnectorOrigination

Service: Amazon Chime SDK Voice

Updates a Voice Connector's origination settings.

Request Syntax

```
PUT /voice-connectors/voiceConnectorId/origination HTTP/1.1
Content-type: application/json

{
   "Origination": {
      "Disabled": boolean,
      "Routes": [
         {
            "Host": "string",
            "Port": number,
            "Priority": number,
            "Protocol": "string",
            "Weight": number
         }
      ]
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Origination

The origination settings being updated.

Type: Origination object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Origination": {
      "Disabled": boolean,
      "Routes": [
         {
            "Host": "string",
            "Port": number,
            "Priority": number,
            "Protocol": "string",
            "Weight": number
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Origination

The updated origination settings.

Type: Origination object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutVoiceConnectorProxy

Service: Amazon Chime SDK Voice

Puts the specified proxy configuration to the specified Amazon Chime SDK Voice Connector.

Request Syntax

```
PUT /voice-connectors/voiceConnectorId/programmable-numbers/proxy HTTP/1.1
Content-type: application/json

{
   "DefaultSessionExpiryMinutes": number,
   "Disabled": boolean,
   "FallBackPhoneNumber": "string",
   "PhoneNumberPoolCountries": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

DefaultSessionExpiryMinutes

The default number of minutes allowed for proxy session.

Type: Integer

Required: Yes

Disabled

When true, stops proxy sessions from being created on the specified Amazon Chime SDK Voice Connector.

Type: Boolean

Required: No

FallBackPhoneNumber

The phone number to route calls to after a proxy session expires.

Type: String

Pattern: `^\+?[1-9]\d{1,14}$`

Required: No

PhoneNumberPoolCountries

The countries for proxy phone numbers to be selected from.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Pattern: `^$|^[A-Z]{2,2}$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Proxy": {
      "DefaultSessionExpiryMinutes": number,
      "Disabled": boolean,
      "FallBackPhoneNumber": "string",
      "PhoneNumberCountries": [ "string" ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Proxy

The proxy configuration details.

Type: Proxy object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutVoiceConnectorStreamingConfiguration

Service: Amazon Chime SDK Voice

Updates a Voice Connector's streaming configuration settings.

Request Syntax

```
PUT /voice-connectors/voiceConnectorId/streaming-configuration HTTP/1.1
Content-type: application/json

{
   "StreamingConfiguration": {
      "DataRetentionInHours": number,
      "Disabled": boolean,
      "MediaInsightsConfiguration": {
         "ConfigurationArn": "string",
         "Disabled": boolean
      },
      "StreamingNotificationTargets": [
         {
            "NotificationTarget": "string"
         }
      ]
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

StreamingConfiguration

The streaming settings being updated.

Type: StreamingConfiguration object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "StreamingConfiguration": {
      "DataRetentionInHours": number,
      "Disabled": boolean,
      "MediaInsightsConfiguration": {
         "ConfigurationArn": "string",
         "Disabled": boolean
      },
      "StreamingNotificationTargets": [
         {
            "NotificationTarget": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

StreamingConfiguration

The updated streaming settings.

Type: StreamingConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutVoiceConnectorTermination

Service: Amazon Chime SDK Voice

Updates a Voice Connector's termination settings.

Request Syntax

```
PUT /voice-connectors/voiceConnectorId/termination HTTP/1.1
Content-type: application/json

{
   "Termination": {
      "CallingRegions": [ "string" ],
      "CidrAllowedList": [ "string" ],
      "CpsLimit": number,
      "DefaultPhoneNumber": "string",
      "Disabled": boolean
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Termination

The termination settings to be updated.

Type: Termination object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Termination": {
      "CallingRegions": [ "string" ],
      "CidrAllowedList": [ "string" ],
      "CpsLimit": number,
      "DefaultPhoneNumber": "string",
      "Disabled": boolean
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Termination

The updated termination settings.

Type: Termination object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutVoiceConnectorTerminationCredentials

Service: Amazon Chime SDK Voice

Updates a Voice Connector's termination credentials.

Request Syntax

```
POST /voice-connectors/voiceConnectorId/termination/credentials?operation=put HTTP/1.1
Content-type: application/json

{
   "Credentials": [
      {
         "Password": "string",
         "Username": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Credentials

The termination credentials being updated.

Type: Array of Credential objects

Required: No

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

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- AWS SDK for .NET
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- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

RestorePhoneNumber

Service: Amazon Chime SDK Voice

Restores a deleted phone number.

Request Syntax

```
POST /phone-numbers/{phoneNumberId}?operation=restore HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

phoneNumberId

The ID of the phone number being restored.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "PhoneNumber": {
      "Associations": [
         {
            "AssociatedTimestamp": "string",
            "Name": "string",
            "Value": "string"
         }
      ],
      "CallingName": "string",
      "CallingNameStatus": "string",
```

```
        "Capabilities": {
           "InboundCall": boolean,
           "InboundMMS": boolean,
           "InboundSMS": boolean,
           "OutboundCall": boolean,
           "OutboundMMS": boolean,
           "OutboundSMS": boolean
        },
        "Country": "string",
        "CreatedTimestamp": "string",
        "DeletionTimestamp": "string",
        "E164PhoneNumber": "string",
        "Name": "string",
        "OrderId": "string",
        "PhoneNumberId": "string",
        "ProductType": "string",
        "Status": "string",
        "Type": "string",
        "UpdatedTimestamp": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PhoneNumber

The restored phone number.

Type: PhoneNumber object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
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- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

SearchAvailablePhoneNumbers

Service: Amazon Chime SDK Voice

Searches the provisioned phone numbers in an organization.

Request Syntax

```
GET /search?type=phone-numbers&area-code=AreaCode&city=City&country=Country&max-results=MaxResults&next-token=NextToken&phone-number-type=PhoneNumberType&state=State&toll-free-prefix=TollFreePrefix HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AreaCode

Confines a search to just the phone numbers associated with the specified area code.

City

Confines a search to just the phone numbers associated with the specified city.

Country

Confines a search to just the phone numbers associated with the specified country.

Pattern: `[A-Z]{2}`

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token used to return the next page of results.

PhoneNumberType

Confines a search to just the phone numbers associated with the specified phone number type, either **local** or **toll-free**.

Valid Values: `Local | TollFree`

State

Confines a search to just the phone numbers associated with the specified state.

TollFreePrefix

Confines a search to just the phone numbers associated with the specified toll-free prefix.

Length Constraints: Fixed length of 3.

Pattern: `^8(00|33|44|55|66|77|88)$`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "E164PhoneNumbers": [ "string" ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

E164PhoneNumbers

Confines a search to just the phone numbers in the E.164 format.

Type: Array of strings

Pattern: `^\+?[1-9]\d{1,14}$`

NextToken

The token used to return the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StartSpeakerSearchTask

Service: Amazon Chime SDK Voice

Starts a speaker search task.

> **Important**
>
> Before starting any speaker search tasks, you must provide all notices and obtain all consents from the speaker as required under applicable privacy and biometrics laws, and as required under the AWS service terms for the Amazon Chime SDK.

Request Syntax

```
POST /voice-connectors/VoiceConnectorId/speaker-search-tasks HTTP/1.1
Content-type: application/json

{
   "CallLeg": "string",
   "ClientRequestToken": "string",
   "TransactionId": "string",
   "VoiceProfileDomainId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

VoiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

CallLeg

Specifies which call leg to stream for speaker search.

Type: String

Valid Values: `Caller | Callee`

Required: No

ClientRequestToken

The unique identifier for the client request. Use a different token for different speaker search tasks.

Type: String

Pattern: `^[-_a-zA-Z0-9]*${2,64}$`

Required: No

TransactionId

The transaction ID of the call being analyzed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

VoiceProfileDomainId

The ID of the voice profile domain that will store the voice profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "SpeakerSearchTask": {
      "CallDetails": {
         "IsCaller": boolean,
         "TransactionId": "string",
         "VoiceConnectorId": "string"
      },
      "CreatedTimestamp": "string",
      "SpeakerSearchDetails": {
         "Results": [
            {
               "ConfidenceScore": number,
               "VoiceProfileId": "string"
            }
         ],
         "VoiceprintGenerationStatus": "string"
      },
      "SpeakerSearchTaskId": "string",
      "SpeakerSearchTaskStatus": "string",
      "StartedTimestamp": "string",
      "StatusMessage": "string",
      "UpdatedTimestamp": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

SpeakerSearchTask

The details of the speaker search task.

Type: SpeakerSearchTask object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

GoneException

Access to the target resource is no longer available at the origin server. This condition is likely to be permanent.

HTTP Status Code: 410

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

UnprocessableEntityException

A well-formed request couldn't be followed due to semantic errors.

HTTP Status Code: 422

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StartVoiceToneAnalysisTask

Service: Amazon Chime SDK Voice

Starts a voice tone analysis task. For more information about voice tone analysis, see Using Amazon Chime SDK voice analytics in the *Amazon Chime SDK Developer Guide*.

> **Important**
>
> Before starting any voice tone analysis tasks, you must provide all notices and obtain all consents from the speaker as required under applicable privacy and biometrics laws, and as required under the AWS service terms for the Amazon Chime SDK.

Request Syntax

```
POST /voice-connectors/VoiceConnectorId/voice-tone-analysis-tasks HTTP/1.1
Content-type: application/json

{
   "ClientRequestToken": "string",
   "LanguageCode": "string",
   "TransactionId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

VoiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ClientRequestToken

The unique identifier for the client request. Use a different token for different voice tone analysis tasks.

Type: String

Pattern: `^[-_a-zA-Z0-9]*${2,64}$`

Required: No

LanguageCode

The language code.

Type: String

Valid Values: `en-US`

Required: Yes

TransactionId

The transaction ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "VoiceToneAnalysisTask": {
      "CallDetails": {
         "IsCaller": boolean,
         "TransactionId": "string",
```

```
            "VoiceConnectorId": "string"
        },
        "CreatedTimestamp": "string",
        "StartedTimestamp": "string",
        "StatusMessage": "string",
        "UpdatedTimestamp": "string",
        "VoiceToneAnalysisTaskId": "string",
        "VoiceToneAnalysisTaskStatus": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

VoiceToneAnalysisTask

The details of the voice tone analysis task.

Type: VoiceToneAnalysisTask object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

GoneException

Access to the target resource is no longer available at the origin server. This condition is likely to be permanent.

HTTP Status Code: 410

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

UnprocessableEntityException

A well-formed request couldn't be followed due to semantic errors.

HTTP Status Code: 422

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StopSpeakerSearchTask

Service: Amazon Chime SDK Voice

Stops a speaker search task.

Request Syntax

```
POST /voice-connectors/VoiceConnectorId/speaker-search-tasks/{SpeakerSearchTaskId}?
operation=stop HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

SpeakerSearchTaskId

The speaker search task ID.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

VoiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

UnprocessableEntityException

A well-formed request couldn't be followed due to semantic errors.

HTTP Status Code: 422

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

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- AWS SDK for .NET
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- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StopVoiceToneAnalysisTask

Service: Amazon Chime SDK Voice

Stops a voice tone analysis task.

Request Syntax

```
POST /voice-connectors/VoiceConnectorId/voice-tone-analysis-tasks/
{VoiceToneAnalysisTaskId}?operation=stop HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

VoiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

VoiceToneAnalysisTaskId

The ID of the voice tone analysis task.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

UnprocessableEntityException

A well-formed request couldn't be followed due to semantic errors.

HTTP Status Code: 422

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

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- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

Service: Amazon Chime SDK Voice

Adds a tag to the specified resource.

Request Syntax

```
POST /tags?operation=tag-resource HTTP/1.1
Content-type: application/json

{
   "ResourceARN": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ResourceARN

The ARN of the resource being tagged.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

Tags

A list of the tags being added to the resource.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UntagResource

Service: Amazon Chime SDK Voice

Removes tags from a resource.

Request Syntax

```
POST /tags?operation=untag-resource HTTP/1.1
Content-type: application/json

{
   "ResourceARN": "string",
   "TagKeys": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ResourceARN

The ARN of the resource having its tags removed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

TagKeys

The keys of the tags being removed from the resource.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
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- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateGlobalSettings

Service: Amazon Chime SDK Voice

Updates global settings for the Amazon Chime SDK Voice Connectors in an AWS account.

Request Syntax

```
PUT /settings HTTP/1.1
Content-type: application/json

{
   "VoiceConnector": {
      "CdrBucket": "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

VoiceConnector

The Voice Connector settings.

Type: VoiceConnectorSettings object

Required: No

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdatePhoneNumber

Service: Amazon Chime SDK Voice

Updates phone number details, such as product type, calling name, or phone number name for the specified phone number ID. You can update one phone number detail at a time. For example, you can update either the product type, calling name, or phone number name in one action.

For numbers outside the U.S., you must use the Amazon Chime SDK SIP Media Application Dial-In product type.

Updates to outbound calling names can take 72 hours to complete. Pending updates to outbound calling names must be complete before you can request another update.

Request Syntax

```
POST /phone-numbers/phoneNumberId HTTP/1.1
Content-type: application/json

{
   "CallingName": "string",
   "Name": "string",
   "ProductType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

phoneNumberId

The phone number ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

CallingName

The outbound calling name associated with the phone number.

Type: String

Pattern: `^$|^[a-zA-Z0-9 ]{2,15}$`

Required: No

Name

Specifies the updated name assigned to one or more phone numbers.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `^$|^[a-zA-Z0-9\,\.\_\-]+(\s+[a-zA-Z0-9\,\.\_\-]+)*$`

Required: No

ProductType

The product type.

Type: String

Valid Values: `VoiceConnector | SipMediaApplicationDialIn`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "PhoneNumber": {
      "Associations": [
         {
            "AssociatedTimestamp": "string",
            "Name": "string",
```

```
            "Value": "string"
         }
      ],
      "CallingName": "string",
      "CallingNameStatus": "string",
      "Capabilities": {
         "InboundCall": boolean,
         "InboundMMS": boolean,
         "InboundSMS": boolean,
         "OutboundCall": boolean,
         "OutboundMMS": boolean,
         "OutboundSMS": boolean
      },
      "Country": "string",
      "CreatedTimestamp": "string",
      "DeletionTimestamp": "string",
      "E164PhoneNumber": "string",
      "Name": "string",
      "OrderId": "string",
      "PhoneNumberId": "string",
      "ProductType": "string",
      "Status": "string",
      "Type": "string",
      "UpdatedTimestamp": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PhoneNumber

The updated phone number details.

Type: PhoneNumber object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdatePhoneNumberSettings

Service: Amazon Chime SDK Voice

Updates the phone number settings for the administrator's AWS account, such as the default outbound calling name. You can update the default outbound calling name once every seven days. Outbound calling names can take up to 72 hours to update.

Request Syntax

```
PUT /settings/phone-number HTTP/1.1
Content-type: application/json

{
   "CallingName": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

CallingName

The default outbound calling name for the account.

Type: String

Pattern: `^$|^[a-zA-Z0-9 ]{2,15}$`

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateProxySession

Service: Amazon Chime SDK Voice

Updates the specified proxy session details, such as voice or SMS capabilities.

Request Syntax

```
POST /voice-connectors/voiceConnectorId/proxy-sessions/proxySessionId HTTP/1.1
Content-type: application/json

{
   "Capabilities": [ "string" ],
   "ExpiryMinutes": number
}
```

URI Request Parameters

The request uses the following URI parameters.

proxySessionId

The proxy session ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

voiceConnectorId

The Voice Connector ID.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Capabilities

The proxy session capabilities.

Type: Array of strings

Valid Values: `Voice | SMS`

Required: Yes

ExpiryMinutes

The number of minutes allowed for the proxy session.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
   "ProxySession": {
      "Capabilities": [ "string" ],
      "CreatedTimestamp": "string",
      "EndedTimestamp": "string",
      "ExpiryMinutes": number,
      "GeoMatchLevel": "string",
      "GeoMatchParams": {
         "AreaCode": "string",
         "Country": "string"
      },
      "Name": "string",
      "NumberSelectionBehavior": "string",
      "Participants": [
         {
            "PhoneNumber": "string",
            "ProxyPhoneNumber": "string"
         }
      ],
```

```
        "ProxySessionId": "string",
        "Status": "string",
        "UpdatedTimestamp": "string",
        "VoiceConnectorId": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

ProxySession

The updated proxy session details.

Type: ProxySession object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateSipMediaApplication

Service: Amazon Chime SDK Voice

Updates the details of the specified SIP media application.

Request Syntax

```
PUT /sip-media-applications/sipMediaApplicationId HTTP/1.1
Content-type: application/json

{
   "Endpoints": [
      {
         "LambdaArn": "string"
      }
   ],
   "Name": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

sipMediaApplicationId

The SIP media application ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Endpoints

The new set of endpoints for the specified SIP media application.

Type: Array of SipMediaApplicationEndpoint objects

Array Members: Fixed number of 1 item.

Required: No

Name

The new name for the specified SIP media application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "SipMediaApplication": {
      "AwsRegion": "string",
      "CreatedTimestamp": "string",
      "Endpoints": [
         {
            "LambdaArn": "string"
         }
      ],
      "Name": "string",
      "SipMediaApplicationArn": "string",
      "SipMediaApplicationId": "string",
      "UpdatedTimestamp": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

SipMediaApplication

The updated SIP media application's details.

Type: SipMediaApplication object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateSipMediaApplicationCall

Service: Amazon Chime SDK Voice

Invokes the AWS Lambda function associated with the SIP media application and transaction ID in an update request. The Lambda function can then return a new set of actions.

Request Syntax

```
POST /sip-media-applications/sipMediaApplicationId/calls/transactionId HTTP/1.1
Content-type: application/json

{
   "Arguments": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

sipMediaApplicationId

The ID of the SIP media application handling the call.

Pattern: `.*\S.*`

Required: Yes

transactionId

The ID of the call transaction.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Arguments

Arguments made available to the Lambda function as part of the `CALL_UPDATE_REQUESTED` event. Can contain 0-20 key-value pairs.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 20 items.

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "SipMediaApplicationCall": {
      "TransactionId": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

SipMediaApplicationCall

A `Call` instance for a SIP media application.

Type: SipMediaApplicationCall object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
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- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateSipRule

Service: Amazon Chime SDK Voice

Updates the details of the specified SIP rule.

Request Syntax

```
PUT /sip-rules/sipRuleId HTTP/1.1
Content-type: application/json

{
   "Disabled": boolean,
   "Name": "string",
   "TargetApplications": [
      {
         "AwsRegion": "string",
         "Priority": number,
         "SipMediaApplicationId": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

sipRuleId

The SIP rule ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Disabled

The new value that indicates whether the rule is disabled.

Type: Boolean

Required: No

Name

The new name for the specified SIP rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: Yes

TargetApplications

The new list of target applications.

Type: Array of SipRuleTargetApplication objects

Array Members: Minimum number of 1 item. Maximum number of 25 items.

Required: No

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "SipRule": {
      "CreatedTimestamp": "string",
      "Disabled": boolean,
      "Name": "string",
      "SipRuleId": "string",
      "TargetApplications": [
         {
            "AwsRegion": "string",
            "Priority": number,
            "SipMediaApplicationId": "string"
         }
      ],
```

```
        "TriggerType": "string",
        "TriggerValue": "string",
        "UpdatedTimestamp": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

SipRule

The updated SIP rule details.

Type: SipRule object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ResourceLimitExceededException

The request exceeds the resource limit.

HTTP Status Code: 400

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateVoiceConnector

Service: Amazon Chime SDK Voice

Updates the details for the specified Amazon Chime SDK Voice Connector.

Request Syntax

```
PUT /voice-connectors/voiceConnectorId HTTP/1.1
Content-type: application/json

{
   "Name": "string",
   "RequireEncryption": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Name

The name of the Voice Connector.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: Yes

RequireEncryption

When enabled, requires encryption for the Voice Connector.

Type: Boolean

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "VoiceConnector": {
      "AwsRegion": "string",
      "CreatedTimestamp": "string",
      "IntegrationType": "string",
      "Name": "string",
      "OutboundHostName": "string",
      "RequireEncryption": boolean,
      "UpdatedTimestamp": "string",
      "VoiceConnectorArn": "string",
      "VoiceConnectorId": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VoiceConnector

The updated Voice Connector details.

Type: VoiceConnector object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateVoiceConnectorGroup

Service: Amazon Chime SDK Voice

Updates the settings for the specified Amazon Chime SDK Voice Connector group.

Request Syntax

```
PUT /voice-connector-groups/voiceConnectorGroupId HTTP/1.1
Content-type: application/json

{
   "Name": "string",
   "VoiceConnectorItems": [
      {
         "Priority": number,
         "VoiceConnectorId": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

voiceConnectorGroupId

The Voice Connector ID.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Name

The name of the Voice Connector group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: Yes

VoiceConnectorItems

The `VoiceConnectorItems` to associate with the Voice Connector group.

Type: Array of VoiceConnectorItem objects

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "VoiceConnectorGroup": {
      "CreatedTimestamp": "string",
      "Name": "string",
      "UpdatedTimestamp": "string",
      "VoiceConnectorGroupArn": "string",
      "VoiceConnectorGroupId": "string",
      "VoiceConnectorItems": [
         {
            "Priority": number,
            "VoiceConnectorId": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

VoiceConnectorGroup

The updated Voice Connector group.

Type: VoiceConnectorGroup object

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateVoiceProfile

Service: Amazon Chime SDK Voice

Updates the specified voice profile's voice print and refreshes its expiration timestamp.

> **Important**
>
> As a condition of using this feature, you acknowledge that the collection, use, storage, and retention of your caller's biometric identifiers and biometric information ("biometric data") in the form of a digital voiceprint requires the caller's informed consent via a written release. Such consent is required under various state laws, including biometrics laws in Illinois, Texas, Washington and other state privacy laws.
> You must provide a written release to each caller through a process that clearly reflects each caller's informed consent before using Amazon Chime SDK Voice Insights service, as required under the terms of your agreement with AWS governing your use of the service.

Request Syntax

```
PUT /voice-profiles/VoiceProfileId HTTP/1.1
Content-type: application/json

{
   "SpeakerSearchTaskId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

VoiceProfileId

The profile ID.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

SpeakerSearchTaskId

The ID of the speaker search task.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "VoiceProfile": {
      "CreatedTimestamp": "string",
      "ExpirationTimestamp": "string",
      "UpdatedTimestamp": "string",
      "VoiceProfileArn": "string",
      "VoiceProfileDomainId": "string",
      "VoiceProfileId": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VoiceProfile

The updated voice profile settings.

Type: VoiceProfile object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ConflictException

Multiple instances of the same request were made simultaneously.

HTTP Status Code: 409

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

GoneException

Access to the target resource is no longer available at the origin server. This condition is likely to be permanent.

HTTP Status Code: 410

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateVoiceProfileDomain

Service: Amazon Chime SDK Voice

Updates the settings for the specified voice profile domain.

Request Syntax

```
PUT /voice-profile-domains/VoiceProfileDomainId HTTP/1.1
Content-type: application/json

{
   "Description": "string",
   "Name": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

VoiceProfileDomainId

The domain ID.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

The description of the voice profile domain.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

Name

The name of the voice profile domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "VoiceProfileDomain": {
      "CreatedTimestamp": "string",
      "Description": "string",
      "Name": "string",
      "ServerSideEncryptionConfiguration": {
         "KmsKeyArn": "string"
      },
      "UpdatedTimestamp": "string",
      "VoiceProfileDomainArn": "string",
      "VoiceProfileDomainId": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VoiceProfileDomain

The updated details of the voice profile domain.

Type: VoiceProfileDomain object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ValidateE911Address

Service: Amazon Chime SDK Voice

Validates an address to be used for 911 calls made with Amazon Chime SDK Voice Connectors. You can use validated addresses in a Presence Information Data Format Location Object file that you include in SIP requests. That helps ensure that addresses are routed to the appropriate Public Safety Answering Point.

Request Syntax

```
POST /emergency-calling/address HTTP/1.1
Content-type: application/json

{
   "AwsAccountId": "string",
   "City": "string",
   "Country": "string",
   "PostalCode": "string",
   "State": "string",
   "StreetInfo": "string",
   "StreetNumber": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AwsAccountId

The AWS account ID.

Type: String

Pattern: `.*\S.*`

Required: Yes

City

The address city, such as `Portland`.

Type: String

Pattern: `.*\S.*`

Required: Yes

Country

The country in the address being validated as two-letter country code in ISO 3166-1 alpha-2 format, such as US. For more information, see ISO 3166-1 alpha-2 in Wikipedia.

Type: String

Pattern: `.*\S.*`

Required: Yes

PostalCode

The dress postal code, such `04352`.

Type: String

Pattern: `.*\S.*`

Required: Yes

State

The address state, such as `ME`.

Type: String

Pattern: `.*\S.*`

Required: Yes

StreetInfo

The address street information, such as `8th Avenue`.

Type: String

Pattern: `.*\S.*`

Required: Yes

StreetNumber

The address street number, such as `200` or `2121`.

Type: String

Pattern: `.*\S.*`

Required: Yes

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
   "Address": {
      "city": "string",
      "country": "string",
      "postalCode": "string",
      "postalCodePlus4": "string",
      "postDirectional": "string",
      "preDirectional": "string",
      "state": "string",
      "streetName": "string",
      "streetNumber": "string",
      "streetSuffix": "string"
   },
   "AddressExternalId": "string",
   "CandidateAddressList": [
      {
         "city": "string",
         "country": "string",
         "postalCode": "string",
         "postalCodePlus4": "string",
         "state": "string",
         "streetInfo": "string",
         "streetNumber": "string"
      }
```

```
    ],
    "ValidationResult": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

Address

The validated address.

Type: Address object

AddressExternalId

The ID that represents the address.

Type: String

CandidateAddressList

The list of address suggestions..

Type: Array of CandidateAddress objects

ValidationResult

Number indicating the result of address validation.

Each possible result is defined as follows:

- `0` - Address validation succeeded.
- 1 - Address validation succeeded. The address was a close enough match and has been corrected as part of the address object.
- 2 - Address validation failed. You should re-submit the validation request with candidates from the `CandidateAddressList` result, if it's a close match.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have the permissions needed to run this action.

HTTP Status Code: 403

BadRequestException

The input parameters don't match the service's restrictions.

HTTP Status Code: 400

ForbiddenException

The client is permanently forbidden from making the request.

HTTP Status Code: 403

NotFoundException

The requested resource couldn't be found.

HTTP Status Code: 404

ServiceFailureException

The service encountered an unexpected error.

HTTP Status Code: 500

ServiceUnavailableException

The service is currently unavailable.

HTTP Status Code: 503

ThrottledClientException

The number of customer requests exceeds the request rate limit.

HTTP Status Code: 429

UnauthorizedClientException

The client isn't authorized to request a resource.

HTTP Status Code: 401

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Data Types

The following data types are supported by Amazon Chime SDK Identity:

- AppInstance
- AppInstanceAdmin
- AppInstanceAdminSummary
- AppInstanceBot
- AppInstanceBotSummary
- AppInstanceRetentionSettings
- AppInstanceSummary
- AppInstanceUser
- AppInstanceUserEndpoint
- AppInstanceUserEndpointSummary
- AppInstanceUserSummary
- ChannelRetentionSettings
- Configuration
- EndpointAttributes
- EndpointState
- ExpirationSettings
- Identity
- InvokedBy
- LexConfiguration
- Tag

The following data types are supported by Amazon Chime SDK Media Pipelines:

- ActiveSpeakerOnlyConfiguration
- AmazonTranscribeCallAnalyticsProcessorConfiguration
- AmazonTranscribeProcessorConfiguration
- ArtifactsConcatenationConfiguration

- ArtifactsConfiguration
- AudioArtifactsConfiguration
- AudioConcatenationConfiguration
- ChannelDefinition
- ChimeSdkMeetingConcatenationConfiguration
- ChimeSdkMeetingConfiguration
- ChimeSdkMeetingLiveConnectorConfiguration
- CompositedVideoArtifactsConfiguration
- CompositedVideoConcatenationConfiguration
- ConcatenationSink
- ConcatenationSource
- ContentArtifactsConfiguration
- ContentConcatenationConfiguration
- DataChannelConcatenationConfiguration
- FragmentSelector
- GridViewConfiguration
- HorizontalLayoutConfiguration
- IssueDetectionConfiguration
- KeywordMatchConfiguration
- KinesisDataStreamSinkConfiguration
- KinesisVideoStreamConfiguration
- KinesisVideoStreamConfigurationUpdate
- KinesisVideoStreamPoolConfiguration
- KinesisVideoStreamPoolSummary
- KinesisVideoStreamRecordingSourceRuntimeConfiguration
- KinesisVideoStreamSourceRuntimeConfiguration
- KinesisVideoStreamSourceTaskConfiguration
- LambdaFunctionSinkConfiguration
- LiveConnectorRTMPConfiguration
- LiveConnectorSinkConfiguration

- LiveConnectorSourceConfiguration
- MediaCapturePipeline
- MediaCapturePipelineSourceConfiguration
- MediaCapturePipelineSummary
- MediaConcatenationPipeline
- MediaInsightsPipeline
- MediaInsightsPipelineConfiguration
- MediaInsightsPipelineConfigurationElement
- MediaInsightsPipelineConfigurationSummary
- MediaInsightsPipelineElementStatus
- MediaLiveConnectorPipeline
- MediaPipeline
- MediaPipelineSummary
- MediaStreamPipeline
- MediaStreamSink
- MediaStreamSource
- MeetingEventsConcatenationConfiguration
- PostCallAnalyticsSettings
- PresenterOnlyConfiguration
- RealTimeAlertConfiguration
- RealTimeAlertRule
- RecordingStreamConfiguration
- S3BucketSinkConfiguration
- S3RecordingSinkConfiguration
- S3RecordingSinkRuntimeConfiguration
- SelectedVideoStreams
- SentimentConfiguration
- SnsTopicSinkConfiguration
- SourceConfiguration
- SpeakerSearchTask

- SqsQueueSinkConfiguration
- SseAwsKeyManagementParams
- StreamChannelDefinition
- StreamConfiguration
- Tag
- TimestampRange
- TranscriptionMessagesConcatenationConfiguration
- VerticalLayoutConfiguration
- VideoArtifactsConfiguration
- VideoAttribute
- VideoConcatenationConfiguration
- VoiceAnalyticsProcessorConfiguration
- VoiceEnhancementSinkConfiguration
- VoiceToneAnalysisTask

The following data types are supported by Amazon Chime SDK Meetings:

- Attendee
- AttendeeCapabilities
- AttendeeFeatures
- AttendeeIdItem
- AudioFeatures
- ContentFeatures
- CreateAttendeeError
- CreateAttendeeRequestItem
- EngineTranscribeMedicalSettings
- EngineTranscribeSettings
- MediaPlacement
- Meeting
- MeetingFeaturesConfiguration
- NotificationsConfiguration

- Tag
- TranscriptionConfiguration
- VideoFeatures

The following data types are supported by Amazon Chime SDK Messaging:

- AppInstanceUserMembershipSummary
- BatchChannelMemberships
- BatchCreateChannelMembershipError
- Channel
- ChannelAssociatedWithFlowSummary
- ChannelBan
- ChannelBanSummary
- ChannelFlow
- ChannelFlowSummary
- ChannelMembership
- ChannelMembershipForAppInstanceUserSummary
- ChannelMembershipPreferences
- ChannelMembershipSummary
- ChannelMessage
- ChannelMessageCallback
- ChannelMessageStatusStructure
- ChannelMessageSummary
- ChannelModeratedByAppInstanceUserSummary
- ChannelModerator
- ChannelModeratorSummary
- ChannelSummary
- ElasticChannelConfiguration
- ExpirationSettings
- Identity
- LambdaConfiguration

- MessageAttributeValue
- MessagingSessionEndpoint
- Processor
- ProcessorConfiguration
- PushNotificationConfiguration
- PushNotificationPreferences
- SearchField
- StreamingConfiguration
- SubChannelSummary
- Tag
- Target

The following data types are supported by Amazon Chime SDK Voice:

- Address
- CallDetails
- CandidateAddress
- Credential
- DNISEmergencyCallingConfiguration
- EmergencyCallingConfiguration
- ExternalSystemsConfiguration
- GeoMatchParams
- LoggingConfiguration
- MediaInsightsConfiguration
- OrderedPhoneNumber
- Origination
- OriginationRoute
- Participant
- PhoneNumber
- PhoneNumberAssociation
- PhoneNumberCapabilities

- PhoneNumberCountry
- PhoneNumberError
- PhoneNumberOrder
- Proxy
- ProxySession
- ServerSideEncryptionConfiguration
- SipMediaApplication
- SipMediaApplicationAlexaSkillConfiguration
- SipMediaApplicationCall
- SipMediaApplicationEndpoint
- SipMediaApplicationLoggingConfiguration
- SipRule
- SipRuleTargetApplication
- SpeakerSearchDetails
- SpeakerSearchResult
- SpeakerSearchTask
- StreamingConfiguration
- StreamingNotificationTarget
- Tag
- Termination
- TerminationHealth
- UpdatePhoneNumberRequestItem
- VoiceConnector
- VoiceConnectorGroup
- VoiceConnectorItem
- VoiceConnectorSettings
- VoiceProfile
- VoiceProfileDomain
- VoiceProfileDomainSummary
- VoiceProfileSummary

- VoiceToneAnalysisTask

Amazon Chime SDK Identity

The following data types are supported by Amazon Chime SDK Identity:

- AppInstance
- AppInstanceAdmin
- AppInstanceAdminSummary
- AppInstanceBot
- AppInstanceBotSummary
- AppInstanceRetentionSettings
- AppInstanceSummary
- AppInstanceUser
- AppInstanceUserEndpoint
- AppInstanceUserEndpointSummary
- AppInstanceUserSummary
- ChannelRetentionSettings
- Configuration
- EndpointAttributes
- EndpointState
- ExpirationSettings
- Identity
- InvokedBy
- LexConfiguration
- Tag

AppInstance

Service: Amazon Chime SDK Identity

The details of an `AppInstance`, an instance of an Amazon Chime SDK messaging application.

Contents

AppInstanceArn

The ARN of the messaging instance.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

CreatedTimestamp

The time at which an `AppInstance` was created. In epoch milliseconds.

Type: Timestamp

Required: No

LastUpdatedTimestamp

The time an `AppInstance` was last updated. In epoch milliseconds.

Type: Timestamp

Required: No

Metadata

The metadata of an `AppInstance`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Name

The name of an `AppInstance`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AppInstanceAdmin

Service: Amazon Chime SDK Identity

The name and ARN of the admin for the `AppInstance`.

Contents

Admin

The `AppInstanceAdmin` data.

Type: Identity object

Required: No

AppInstanceArn

The ARN of the `AppInstance` for which the user is an administrator.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

CreatedTimestamp

The time at which an administrator was created.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

AppInstanceAdminSummary

Service: Amazon Chime SDK Identity

Summary of the details of an `AppInstanceAdmin`.

Contents

Admin

The details of the `AppInstanceAdmin`.

Type: Identity object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AppInstanceBot

Service: Amazon Chime SDK Identity

An Amazon Lex V2 chat bot created under an `AppInstance`.

Contents

AppInstanceBotArn

The ARN of the AppInstanceBot.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

Configuration

The data processing instructions for an AppInstanceBot.

Type: Configuration object

Required: No

CreatedTimestamp

The time at which the `AppInstanceBot` was created.

Type: Timestamp

Required: No

LastUpdatedTimestamp

The time at which the `AppInstanceBot` was last updated.

Type: Timestamp

Required: No

Metadata

The metadata for an AppInstanceBot.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Name

The name of the AppInstanceBot.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AppInstanceBotSummary

Service: Amazon Chime SDK Identity

High-level information about an AppInstanceBot.

Contents

AppInstanceBotArn

The ARN of the AppInstanceBot.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

Metadata

The metadata of the AppInstanceBot.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Name

The name of the AppInstanceBot.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AppInstanceRetentionSettings

Service: Amazon Chime SDK Identity

The details of the data-retention settings for an `AppInstance`.

Contents

ChannelRetentionSettings

The length of time in days to retain the messages in a channel.

Type: ChannelRetentionSettings object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AppInstanceSummary

Service: Amazon Chime SDK Identity

Summary of the data for an `AppInstance`.

Contents

AppInstanceArn

The `AppInstance` ARN.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

Metadata

The metadata of the `AppInstance`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Name

The name of the `AppInstance`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AppInstanceUser

Service: Amazon Chime SDK Identity

The details of an `AppInstanceUser`.

Contents

AppInstanceUserArn

The ARN of the `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

CreatedTimestamp

The time at which the `AppInstanceUser` was created.

Type: Timestamp

Required: No

ExpirationSettings

The interval after which an `AppInstanceUser` is automatically deleted.

Type: ExpirationSettings object

Required: No

LastUpdatedTimestamp

The time at which the `AppInstanceUser` was last updated.

Type: Timestamp

Required: No

Metadata

The metadata of the `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Name

The name of the `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AppInstanceUserEndpoint

Service: Amazon Chime SDK Identity

An endpoint under an Amazon Chime `AppInstanceUser` that receives messages for a user. For push notifications, the endpoint is a mobile device used to receive mobile push notifications for a user.

Contents

AllowMessages

Boolean that controls whether the `AppInstanceUserEndpoint` is opted in to receive messages. `ALL` indicates the endpoint will receive all messages. `NONE` indicates the endpoint will receive no messages.

Type: String

Valid Values: `ALL | NONE`

Required: No

AppInstanceUserArn

The ARN of the `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

CreatedTimestamp

The time at which an `AppInstanceUserEndpoint` was created.

Type: Timestamp

Required: No

EndpointAttributes

The attributes of an `Endpoint`.

Type: EndpointAttributes object

Required: No

EndpointId

The unique identifier of the `AppInstanceUserEndpoint`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `.*`

Required: No

EndpointState

A read-only field that represents the state of an `AppInstanceUserEndpoint`. Supported values:

- `ACTIVE`: The `AppInstanceUserEndpoint` is active and able to receive messages. When `ACTIVE`, the `EndpointStatusReason` remains empty.
- `INACTIVE`: The `AppInstanceUserEndpoint` is inactive and can't receive message. When `INACTIVE`, the corresponding reason will be conveyed through `EndpointStatusReason`.
- `INVALID_DEVICE_TOKEN` indicates that an `AppInstanceUserEndpoint` is `INACTIVE` due to invalid device token
- `INVALID_PINPOINT_ARN` indicates that an `AppInstanceUserEndpoint` is `INACTIVE` due to an invalid pinpoint ARN that was input through the `ResourceArn` field.

Type: EndpointState object

Required: No

LastUpdatedTimestamp

The time at which an `AppInstanceUserEndpoint` was last updated.

Type: Timestamp

Required: No

Name

The name of the `AppInstanceUserEndpoint`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1600.

Pattern: `.*`

Required: No

ResourceArn

The ARN of the resource to which the endpoint belongs.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

Type

The type of the `AppInstanceUserEndpoint`.

Type: String

Valid Values: `APNS | APNS_SANDBOX | GCM`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AppInstanceUserEndpointSummary

Service: Amazon Chime SDK Identity

Summary of the details of an `AppInstanceUserEndpoint`.

Contents

AllowMessages

Boolean that controls whether the `AppInstanceUserEndpoint` is opted in to receive messages. `ALL` indicates the endpoint will receive all messages. `NONE` indicates the endpoint will receive no messages.

Type: String

Valid Values: `ALL | NONE`

Required: No

AppInstanceUserArn

The ARN of the `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

EndpointId

The unique identifier of the `AppInstanceUserEndpoint`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `.*`

Required: No

EndpointState

A read-only field that represent the state of an `AppInstanceUserEndpoint`.

Type: EndpointState object

Required: No

Name

The name of the `AppInstanceUserEndpoint`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1600.

Pattern: `.*`

Required: No

Type

The type of the `AppInstanceUserEndpoint`.

Type: String

Valid Values: `APNS | APNS_SANDBOX | GCM`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AppInstanceUserSummary

Service: Amazon Chime SDK Identity

Summary of the details of an `AppInstanceUser`.

Contents

AppInstanceUserArn

The ARN of the `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

Metadata

The metadata of the `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Name

The name of an `AppInstanceUser`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelRetentionSettings

Service: Amazon Chime SDK Identity

The details of the retention settings for a channel.

Contents

RetentionDays

The time in days to retain the messages in a channel.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5475.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Configuration

Service: Amazon Chime SDK Identity

A structure that contains configuration data.

Contents

Lex

The configuration for an Amazon Lex V2 bot.

Type: LexConfiguration object

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EndpointAttributes

Service: Amazon Chime SDK Identity

The attributes of an `Endpoint`.

Contents

DeviceToken

The device token for the GCM, APNS, and APNS_SANDBOX endpoint types.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `.*`

Required: Yes

VoipDeviceToken

The VOIP device token for the APNS and APNS_SANDBOX endpoint types.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EndpointState

Service: Amazon Chime SDK Identity

A read-only field that represents the state of an `AppInstanceUserEndpoint`. Supported values:

- `ACTIVE`: The `AppInstanceUserEndpoint` is active and able to receive messages. When `ACTIVE`, the `EndpointStatusReason` remains empty.
- `INACTIVE`: The `AppInstanceUserEndpoint` is inactive and can't receive message. When INACTIVE, the corresponding reason will be conveyed through EndpointStatusReason.
- `INVALID_DEVICE_TOKEN` indicates that an `AppInstanceUserEndpoint` is `INACTIVE` due to invalid device token
- `INVALID_PINPOINT_ARN` indicates that an `AppInstanceUserEndpoint` is `INACTIVE` due to an invalid pinpoint ARN that was input through the `ResourceArn` field.

Contents

Status

Enum that indicates the Status of an `AppInstanceUserEndpoint`.

Type: String

Valid Values: `ACTIVE | INACTIVE`

Required: Yes

StatusReason

The reason for the `EndpointStatus`.

Type: String

Valid Values: `INVALID_DEVICE_TOKEN | INVALID_PINPOINT_ARN`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExpirationSettings

Service: Amazon Chime SDK Identity

Determines the interval after which an `AppInstanceUser` is automatically deleted.

Contents

ExpirationCriterion

Specifies the conditions under which an `AppInstanceUser` will expire.

Type: String

Valid Values: `CREATED_TIMESTAMP`

Required: Yes

ExpirationDays

The period in days after which an `AppInstanceUser` will be automatically deleted.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5475.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Identity

Service: Amazon Chime SDK Identity

The details of a user or bot.

Contents

Arn

The ARN in an Identity.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

Name

The name in an Identity.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

InvokedBy

Service: Amazon Chime SDK Identity

Specifies the type of message that triggers a bot.

Contents

StandardMessages

Sets standard messages as the bot trigger. For standard messages:

- `ALL`: The bot processes all standard messages.
- `AUTO`: The bot responds to `ALL` messages when the channel has one other non-hidden member, and responds to `MENTIONS` when the channel has more than one other non-hidden member.
- `MENTIONS`: The bot processes all standard messages that have a message attribute with `CHIME.mentions` and a value of the bot ARN.
- `NONE`: The bot processes no standard messages.

Type: String

Valid Values: `AUTO | ALL | MENTIONS | NONE`

Required: Yes

TargetedMessages

Sets targeted messages as the bot trigger. For targeted messages:

- `ALL`: The bot processes all `TargetedMessages` sent to it. The bot then responds with a targeted message back to the sender.
- `NONE`: The bot processes no targeted messages.

Type: String

Valid Values: `ALL | NONE`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LexConfiguration

Service: Amazon Chime SDK Identity

The configuration for an Amazon Lex V2 bot.

Contents

LexBotAliasArn

The ARN of the Amazon Lex V2 bot's alias. The ARN uses this format: `arn:aws:lex:REGION:ACCOUNT:bot-alias/MYBOTID/MYBOTALIAS`

Type: String

Length Constraints: Minimum length of 15. Maximum length of 2048.

Pattern: `arn:aws:lex:[a-z]{2}-[a-z]+-\d{1}:\d{12}:bot-alias/[A-Z0-9]{10}/[A-Z0-9]{10}`

Required: Yes

LocaleId

Identifies the Amazon Lex V2 bot's language and locale. The string must match one of the supported locales in Amazon Lex V2. All of the intents, slot types, and slots used in the bot must have the same locale. For more information, see Supported languages in the *Amazon Lex V2 Developer Guide*.

Type: String

Required: Yes

InvokedBy

Specifies the type of message that triggers a bot.

Type: InvokedBy object

Required: No

RespondsTo

> **Important**
>
> **Deprecated**. Use `InvokedBy` instead.

Determines whether the Amazon Lex V2 bot responds to all standard messages. Control messages are not supported.

Type: String

Valid Values: `STANDARD_MESSAGES`

Required: No

WelcomeIntent

The name of the welcome intent configured in the Amazon Lex V2 bot.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `^([A-Za-z]_?)+$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Tag

Service: Amazon Chime SDK Identity

A tag object containing a key-value pair.

Contents

Key

The key in a tag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Value

The value in a tag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Amazon Chime SDK Media Pipelines

The following data types are supported by Amazon Chime SDK Media Pipelines:

- ActiveSpeakerOnlyConfiguration

- AmazonTranscribeCallAnalyticsProcessorConfiguration
- AmazonTranscribeProcessorConfiguration
- ArtifactsConcatenationConfiguration
- ArtifactsConfiguration
- AudioArtifactsConfiguration
- AudioConcatenationConfiguration
- ChannelDefinition
- ChimeSdkMeetingConcatenationConfiguration
- ChimeSdkMeetingConfiguration
- ChimeSdkMeetingLiveConnectorConfiguration
- CompositedVideoArtifactsConfiguration
- CompositedVideoConcatenationConfiguration
- ConcatenationSink
- ConcatenationSource
- ContentArtifactsConfiguration
- ContentConcatenationConfiguration
- DataChannelConcatenationConfiguration
- FragmentSelector
- GridViewConfiguration
- HorizontalLayoutConfiguration
- IssueDetectionConfiguration
- KeywordMatchConfiguration
- KinesisDataStreamSinkConfiguration
- KinesisVideoStreamConfiguration
- KinesisVideoStreamConfigurationUpdate
- KinesisVideoStreamPoolConfiguration
- KinesisVideoStreamPoolSummary
- KinesisVideoStreamRecordingSourceRuntimeConfiguration
- KinesisVideoStreamSourceRuntimeConfiguration
- KinesisVideoStreamSourceTaskConfiguration

- LambdaFunctionSinkConfiguration
- LiveConnectorRTMPConfiguration
- LiveConnectorSinkConfiguration
- LiveConnectorSourceConfiguration
- MediaCapturePipeline
- MediaCapturePipelineSourceConfiguration
- MediaCapturePipelineSummary
- MediaConcatenationPipeline
- MediaInsightsPipeline
- MediaInsightsPipelineConfiguration
- MediaInsightsPipelineConfigurationElement
- MediaInsightsPipelineConfigurationSummary
- MediaInsightsPipelineElementStatus
- MediaLiveConnectorPipeline
- MediaPipeline
- MediaPipelineSummary
- MediaStreamPipeline
- MediaStreamSink
- MediaStreamSource
- MeetingEventsConcatenationConfiguration
- PostCallAnalyticsSettings
- PresenterOnlyConfiguration
- RealTimeAlertConfiguration
- RealTimeAlertRule
- RecordingStreamConfiguration
- S3BucketSinkConfiguration
- S3RecordingSinkConfiguration
- S3RecordingSinkRuntimeConfiguration
- SelectedVideoStreams
- SentimentConfiguration

- SnsTopicSinkConfiguration
- SourceConfiguration
- SpeakerSearchTask
- SqsQueueSinkConfiguration
- SseAwsKeyManagementParams
- StreamChannelDefinition
- StreamConfiguration
- Tag
- TimestampRange
- TranscriptionMessagesConcatenationConfiguration
- VerticalLayoutConfiguration
- VideoArtifactsConfiguration
- VideoAttribute
- VideoConcatenationConfiguration
- VoiceAnalyticsProcessorConfiguration
- VoiceEnhancementSinkConfiguration
- VoiceToneAnalysisTask

ActiveSpeakerOnlyConfiguration

Service: Amazon Chime SDK Media Pipelines

Defines the configuration for an `ActiveSpeakerOnly` video tile.

Contents

ActiveSpeakerPosition

The position of the `ActiveSpeakerOnly` video tile.

Type: String

Valid Values: `TopLeft | TopRight | BottomLeft | BottomRight`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AmazonTranscribeCallAnalyticsProcessorConfiguration

Service: Amazon Chime SDK Media Pipelines

A structure that contains the configuration settings for an Amazon Transcribe call analytics processor.

Contents

LanguageCode

The language code in the configuration.

Type: String

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR`

Required: Yes

CallAnalyticsStreamCategories

By default, all `CategoryEvents` are sent to the insights target. If this parameter is specified, only included categories are sent to the insights target.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

ContentIdentificationType

Labels all personally identifiable information (PII) identified in your transcript.

Content identification is performed at the segment level; PII specified in `PiiEntityTypes` is flagged upon complete transcription of an audio segment.

You can't set `ContentIdentificationType` and `ContentRedactionType` in the same request. If you do, your request returns a `BadRequestException`.

For more information, see Redacting or identifying personally identifiable information in the *Amazon Transcribe Developer Guide*.

Type: String

Valid Values: `PII`

Required: No

ContentRedactionType

Redacts all personally identifiable information (PII) identified in your transcript.

Content redaction is performed at the segment level; PII specified in `PiiEntityTypes` is redacted upon complete transcription of an audio segment.

You can't set `ContentRedactionType` and `ContentIdentificationType` in the same request. If you do, your request returns a `BadRequestException`.

For more information, see Redacting or identifying personally identifiable information in the *Amazon Transcribe Developer Guide*.

Type: String

Valid Values: `PII`

Required: No

EnablePartialResultsStabilization

Enables partial result stabilization for your transcription. Partial result stabilization can reduce latency in your output, but may impact accuracy. For more information, see Partial-result stabilization in the *Amazon Transcribe Developer Guide*.

Type: Boolean

Required: No

FilterPartialResults

If true, `UtteranceEvents` with `IsPartial: true` are filtered out of the insights target.

Type: Boolean

Required: No

LanguageModelName

Specifies the name of the custom language model to use when processing a transcription. Note that language model names are case sensitive.

The language of the specified language model must match the language code specified in the transcription request. If the languages don't match, the custom language model isn't applied. Language mismatches don't generate errors or warnings.

For more information, see Custom language models in the *Amazon Transcribe Developer Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

PartialResultsStability

Specifies the level of stability to use when you enable partial results stabilization (`EnablePartialResultsStabilization`).

Low stability provides the highest accuracy. High stability transcribes faster, but with slightly lower accuracy.

For more information, see Partial-result stabilization in the *Amazon Transcribe Developer Guide*.

Type: String

Valid Values: `high | medium | low`

Required: No

PiiEntityTypes

Specifies the types of personally identifiable information (PII) to redact from a transcript. You can include as many types as you'd like, or you can select `ALL`.

To include `PiiEntityTypes` in your Call Analytics request, you must also include `ContentIdentificationType` or `ContentRedactionType`, but you can't include both.

Values must be comma-separated and can include: `ADDRESS`, `BANK_ACCOUNT_NUMBER`, `BANK_ROUTING`, `CREDIT_DEBIT_CVV`, `CREDIT_DEBIT_EXPIRY`, `CREDIT_DEBIT_NUMBER`, `EMAIL`, `NAME`, `PHONE`, `PIN`, `SSN`, or `ALL`.

Length Constraints: Minimum length of 1. Maximum length of 300.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 300.

Pattern: `^[A-Z_, ]+`

Required: No

PostCallAnalyticsSettings

The settings for a post-call analysis task in an analytics configuration.

Type: PostCallAnalyticsSettings object

Required: No

VocabularyFilterMethod

Specifies how to apply a vocabulary filter to a transcript.

To replace words with ***, choose `mask`.

To delete words, choose `remove`.

To flag words without changing them, choose `tag`.

Type: String

Valid Values: `remove | mask | tag`

Required: No

VocabularyFilterName

Specifies the name of the custom vocabulary filter to use when processing a transcription. Note that vocabulary filter names are case sensitive.

If the language of the specified custom vocabulary filter doesn't match the language identified in your media, the vocabulary filter is not applied to your transcription.

For more information, see Using vocabulary filtering with unwanted words in the *Amazon Transcribe Developer Guide*.

Length Constraints: Minimum length of 1. Maximum length of 200.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

VocabularyName

Specifies the name of the custom vocabulary to use when processing a transcription. Note that vocabulary names are case sensitive.

If the language of the specified custom vocabulary doesn't match the language identified in your media, the custom vocabulary is not applied to your transcription.

For more information, see Custom vocabularies in the *Amazon Transcribe Developer Guide*.

Length Constraints: Minimum length of 1. Maximum length of 200.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AmazonTranscribeProcessorConfiguration

Service: Amazon Chime SDK Media Pipelines

A structure that contains the configuration settings for an Amazon Transcribe processor.

> **Note**
>
> Calls to this API must include a `LanguageCode`, `IdentifyLanguage`, or `IdentifyMultipleLanguages` parameter. If you include more than one of those parameters, your transcription job fails.

Contents

ContentIdentificationType

Labels all personally identifiable information (PII) identified in your transcript.

Content identification is performed at the segment level; PII specified in `PiiEntityTypes` is flagged upon complete transcription of an audio segment.

You can't set `ContentIdentificationType` and `ContentRedactionType` in the same request. If you set both, your request returns a `BadRequestException`.

For more information, see Redacting or identifying personally identifiable information in the *Amazon Transcribe Developer Guide*.

Type: String

Valid Values: `PII`

Required: No

ContentRedactionType

Redacts all personally identifiable information (PII) identified in your transcript.

Content redaction is performed at the segment level; PII specified in PiiEntityTypes is redacted upon complete transcription of an audio segment.

You can't set ContentRedactionType and ContentIdentificationType in the same request. If you set both, your request returns a `BadRequestException`.

For more information, see Redacting or identifying personally identifiable information in the *Amazon Transcribe Developer Guide*.

Type: String

Valid Values: `PII`

Required: No

EnablePartialResultsStabilization

Enables partial result stabilization for your transcription. Partial result stabilization can reduce latency in your output, but may impact accuracy.

For more information, see Partial-result stabilization in the *Amazon Transcribe Developer Guide*.

Type: Boolean

Required: No

FilterPartialResults

If true, `TranscriptEvents` with `IsPartial: true` are filtered out of the insights target.

Type: Boolean

Required: No

IdentifyLanguage

Turns language identification on or off.

Type: Boolean

Required: No

IdentifyMultipleLanguages

Turns language identification on or off for multiple languages.

> **Note**
>
> Calls to this API must include a `LanguageCode`, `IdentifyLanguage`, or `IdentifyMultipleLanguages` parameter. If you include more than one of those parameters, your transcription job fails.

Type: Boolean

Required: No

LanguageCode

The language code that represents the language spoken in your audio.

If you're unsure of the language spoken in your audio, consider using `IdentifyLanguage` to enable automatic language identification.

For a list of languages that real-time Call Analytics supports, see the Supported languages table in the *Amazon Transcribe Developer Guide*.

Type: String

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR`

Required: No

LanguageModelName

The name of the custom language model that you want to use when processing your transcription. Note that language model names are case sensitive.

The language of the specified language model must match the language code you specify in your transcription request. If the languages don't match, the custom language model isn't applied. There are no errors or warnings associated with a language mismatch.

For more information, see Custom language models in the *Amazon Transcribe Developer Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

LanguageOptions

The language options for the transcription, such as automatic language detection.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[a-zA-Z-,]+`

Required: No

PartialResultsStability

The level of stability to use when you enable partial results stabilization (`EnablePartialResultsStabilization`).

Low stability provides the highest accuracy. High stability transcribes faster, but with slightly lower accuracy.

For more information, see Partial-result stabilization in the *Amazon Transcribe Developer Guide*.

Type: String

Valid Values: `high | medium | low`

Required: No

PiiEntityTypes

The types of personally identifiable information (PII) to redact from a transcript. You can include as many types as you'd like, or you can select `ALL`.

To include `PiiEntityTypes` in your Call Analytics request, you must also include `ContentIdentificationType` or `ContentRedactionType`, but you can't include both.

Values must be comma-separated and can include: `ADDRESS`, `BANK_ACCOUNT_NUMBER`, `BANK_ROUTING`, `CREDIT_DEBIT_CVV`, `CREDIT_DEBIT_EXPIRY`, `CREDIT_DEBIT_NUMBER`, `EMAIL`, `NAME`, `PHONE`, `PIN`, `SSN`, or `ALL`.

If you leave this parameter empty, the default behavior is equivalent to `ALL`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 300.

Pattern: `^[A-Z_, ]+`

Required: No

PreferredLanguage

The preferred language for the transcription.

Type: String

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR`

Required: No

ShowSpeakerLabel

Enables speaker partitioning (diarization) in your transcription output. Speaker partitioning labels the speech from individual speakers in your media file.

For more information, see Partitioning speakers (diarization) in the *Amazon Transcribe Developer Guide*.

Type: Boolean

Required: No

VocabularyFilterMethod

The vocabulary filtering method used in your Call Analytics transcription.

Type: String

Valid Values: `remove | mask | tag`

Required: No

VocabularyFilterName

The name of the custom vocabulary filter that you specified in your Call Analytics request.

Length Constraints: Minimum length of 1. Maximum length of 200.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

VocabularyFilterNames

The names of the custom vocabulary filter or filters using during transcription.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 3000.

Pattern: `^[a-zA-Z0-9,-._]+`

Required: No

VocabularyName

The name of the custom vocabulary that you specified in your Call Analytics request.

Length Constraints: Minimum length of 1. Maximum length of 200.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

VocabularyNames

The names of the custom vocabulary or vocabularies used during transcription.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 3000.

Pattern: `^[a-zA-Z0-9,-._]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

ArtifactsConcatenationConfiguration

Service: Amazon Chime SDK Media Pipelines

The configuration for the artifacts concatenation.

Contents

Audio

The configuration for the audio artifacts concatenation.

Type: AudioConcatenationConfiguration object

Required: Yes

CompositedVideo

The configuration for the composited video artifacts concatenation.

Type: CompositedVideoConcatenationConfiguration object

Required: Yes

Content

The configuration for the content artifacts concatenation.

Type: ContentConcatenationConfiguration object

Required: Yes

DataChannel

The configuration for the data channel artifacts concatenation.

Type: DataChannelConcatenationConfiguration object

Required: Yes

MeetingEvents

The configuration for the meeting events artifacts concatenation.

Type: MeetingEventsConcatenationConfiguration object

Required: Yes

TranscriptionMessages

The configuration for the transcription messages artifacts concatenation.

Type: TranscriptionMessagesConcatenationConfiguration object

Required: Yes

Video

The configuration for the video artifacts concatenation.

Type: VideoConcatenationConfiguration object

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ArtifactsConfiguration

Service: Amazon Chime SDK Media Pipelines

The configuration for the artifacts.

Contents

Audio

The configuration for the audio artifacts.

Type: AudioArtifactsConfiguration object

Required: Yes

Content

The configuration for the content artifacts.

Type: ContentArtifactsConfiguration object

Required: Yes

Video

The configuration for the video artifacts.

Type: VideoArtifactsConfiguration object

Required: Yes

CompositedVideo

Enables video compositing.

Type: CompositedVideoArtifactsConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AudioArtifactsConfiguration

Service: Amazon Chime SDK Media Pipelines

The audio artifact configuration object.

Contents

MuxType

The MUX type of the audio artifact configuration object.

Type: String

Valid Values: `AudioOnly | AudioWithActiveSpeakerVideo | AudioWithCompositedVideo`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AudioConcatenationConfiguration

Service: Amazon Chime SDK Media Pipelines

The audio artifact concatenation configuration object.

Contents

State

Enables or disables the configuration object.

Type: String

Valid Values: `Enabled`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelDefinition

Service: Amazon Chime SDK Media Pipelines

Defines an audio channel in a Kinesis video stream.

Contents

ChannelId

The channel ID.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1.

Required: Yes

ParticipantRole

Specifies whether the audio in a channel belongs to the `AGENT` or `CUSTOMER`.

Type: String

Valid Values: `AGENT` | `CUSTOMER`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChimeSdkMeetingConcatenationConfiguration

Service: Amazon Chime SDK Media Pipelines

The configuration object of the Amazon Chime SDK meeting concatenation for a specified media pipeline.

Contents

ArtifactsConfiguration

The configuration for the artifacts in an Amazon Chime SDK meeting concatenation.

Type: ArtifactsConcatenationConfiguration object

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChimeSdkMeetingConfiguration

Service: Amazon Chime SDK Media Pipelines

The configuration object of the Amazon Chime SDK meeting for a specified media pipeline. `SourceType` must be `ChimeSdkMeeting`.

Contents

ArtifactsConfiguration

The configuration for the artifacts in an Amazon Chime SDK meeting.

Type: ArtifactsConfiguration object

Required: No

SourceConfiguration

The source configuration for a specified media pipeline.

Type: SourceConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChimeSdkMeetingLiveConnectorConfiguration

Service: Amazon Chime SDK Media Pipelines

The media pipeline's configuration object.

Contents

Arn

The configuration object's Chime SDK meeting ARN.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

MuxType

The configuration object's multiplex type.

Type: String

Valid Values: `AudioWithCompositedVideo | AudioWithActiveSpeakerVideo`

Required: Yes

CompositedVideo

The media pipeline's composited video.

Type: CompositedVideoArtifactsConfiguration object

Required: No

SourceConfiguration

The source configuration settings of the media pipeline's configuration object.

Type: SourceConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CompositedVideoArtifactsConfiguration

Service: Amazon Chime SDK Media Pipelines

Specifies the configuration for compositing video artifacts.

Contents

GridViewConfiguration

The `GridView` configuration setting.

Type: GridViewConfiguration object

Required: Yes

Layout

The layout setting, such as `GridView` in the configuration object.

Type: String

Valid Values: `GridView`

Required: No

Resolution

The video resolution setting in the configuration object. Default: HD at 1280 x 720. FHD resolution: 1920 x 1080.

Type: String

Valid Values: `HD` | `FHD`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

CompositedVideoConcatenationConfiguration

Service: Amazon Chime SDK Media Pipelines

The composited video configuration object for a specified media pipeline. `SourceType` must be `ChimeSdkMeeting`.

Contents

State

Enables or disables the configuration object.

Type: String

Valid Values: `Enabled | Disabled`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConcatenationSink

Service: Amazon Chime SDK Media Pipelines

The data sink of the configuration object.

Contents

S3BucketSinkConfiguration

The configuration settings for an Amazon S3 bucket sink.

Type: S3BucketSinkConfiguration object

Required: Yes

Type

The type of data sink in the configuration object.

Type: String

Valid Values: `S3Bucket`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConcatenationSource

Service: Amazon Chime SDK Media Pipelines

The source type and media pipeline configuration settings in a configuration object.

Contents

MediaCapturePipelineSourceConfiguration

The concatenation settings for the media pipeline in a configuration object.

Type: MediaCapturePipelineSourceConfiguration object

Required: Yes

Type

The type of concatenation source in a configuration object.

Type: String

Valid Values: `MediaCapturePipeline`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ContentArtifactsConfiguration

Service: Amazon Chime SDK Media Pipelines

The content artifact object.

Contents

State

Indicates whether the content artifact is enabled or disabled.

Type: String

Valid Values: `Enabled | Disabled`

Required: Yes

MuxType

The MUX type of the artifact configuration.

Type: String

Valid Values: `ContentOnly`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ContentConcatenationConfiguration

Service: Amazon Chime SDK Media Pipelines

The composited content configuration object for a specified media pipeline.

Contents

State

Enables or disables the configuration object.

Type: String

Valid Values: `Enabled | Disabled`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DataChannelConcatenationConfiguration

Service: Amazon Chime SDK Media Pipelines

The content configuration object's data channel.

Contents

State

Enables or disables the configuration object.

Type: String

Valid Values: `Enabled | Disabled`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FragmentSelector

Service: Amazon Chime SDK Media Pipelines

Describes the timestamp range and timestamp origin of a range of fragments.

Only fragments with a start timestamp greater than or equal to the given start time and less than or equal to the end time are returned. For example, say a stream contains fragments with the following start timestamps:

- 00:00:00
- 00:00:02
- 00:00:04
- 00:00:06

A fragment selector range with a start time of 00:00:01 and end time of 00:00:04 would return the fragments with start times of 00:00:02 and 00:00:04.

Contents

FragmentSelectorType

The origin of the timestamps to use, `Server` or `Producer`. For more information, see StartSelectorType in the *Amazon Kinesis Video Streams Developer Guide*.

Type: String

Valid Values: `ProducerTimestamp | ServerTimestamp`

Required: Yes

TimestampRange

The range of timestamps to return.

Type: TimestampRange object

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GridViewConfiguration

Service: Amazon Chime SDK Media Pipelines

Specifies the type of grid layout.

Contents

ContentShareLayout

Defines the layout of the video tiles when content sharing is enabled.

Type: String

Valid Values: `PresenterOnly | Horizontal | Vertical | ActiveSpeakerOnly`

Required: Yes

ActiveSpeakerOnlyConfiguration

The configuration settings for an `ActiveSpeakerOnly` video tile.

Type: ActiveSpeakerOnlyConfiguration object

Required: No

CanvasOrientation

The orientation setting, horizontal or vertical.

Type: String

Valid Values: `Landscape | Portrait`

Required: No

HorizontalLayoutConfiguration

The configuration settings for a horizontal layout.

Type: HorizontalLayoutConfiguration object

Required: No

PresenterOnlyConfiguration

Defines the configuration options for a presenter only video tile.

Type: PresenterOnlyConfiguration object

Required: No

VerticalLayoutConfiguration

The configuration settings for a vertical layout.

Type: VerticalLayoutConfiguration object

Required: No

VideoAttribute

The attribute settings for the video tiles.

Type: VideoAttribute object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HorizontalLayoutConfiguration

Service: Amazon Chime SDK Media Pipelines

Defines the configuration settings for the horizontal layout.

Contents

TileAspectRatio

Specifies the aspect ratio of all video tiles.

Type: String

Pattern: `^\d{1,2}\/\d{1,2}$`

Required: No

TileCount

The maximum number of video tiles to display.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10.

Required: No

TileOrder

Sets the automatic ordering of the video tiles.

Type: String

Valid Values: `JoinSequence | SpeakerSequence`

Required: No

TilePosition

Sets the position of horizontal tiles.

Type: String

Valid Values: `Top | Bottom`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

IssueDetectionConfiguration

Service: Amazon Chime SDK Media Pipelines

A structure that contains the configuration settings for an issue detection task.

Contents

RuleName

The name of the issue detection rule.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KeywordMatchConfiguration

Service: Amazon Chime SDK Media Pipelines

A structure that contains the settings for a keyword match task.

Contents

Keywords

The keywords or phrases that you want to match.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `^[\s0-9a-zA-Z'-]+`

Required: Yes

RuleName

The name of the keyword match rule.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

Negate

Matches keywords or phrases on their presence or absence. If set to `TRUE`, the rule matches when all the specified keywords or phrases are absent. Default: `FALSE`.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KinesisDataStreamSinkConfiguration

Service: Amazon Chime SDK Media Pipelines

A structure that contains the configuration settings for a Kinesis Data Stream sink.

Contents

InsightsTarget

The ARN of the sink.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KinesisVideoStreamConfiguration

Service: Amazon Chime SDK Media Pipelines

The configuration of an Kinesis video stream.

> **Note**
>
> If a meeting uses an opt-in Region as its MediaRegion, the KVS stream must be in that same Region. For example, if a meeting uses the `af-south-1` Region, the KVS stream must also be in `af-south-1`. However, if the meeting uses a Region that AWS turns on by default, the KVS stream can be in any available Region, including an opt-in Region. For example, if the meeting uses `ca-central-1`, the KVS stream can be in `eu-west-2`, `us-east-1`, `af-south-1`, or any other Region that the Amazon Chime SDK supports.
> To learn which AWS Region a meeting uses, call the GetMeeting API and use the MediaRegion parameter from the response.
> For more information about opt-in Regions, refer to Available Regions in the *Amazon Chime SDK Developer Guide*, and Specify which AWS Regions your account can use, in the *AWS Account Management Reference Guide*.

Contents

Region

The AWS Region of the video stream.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `^([a-z]+-){2,}\d+$`

Required: Yes

DataRetentionInHours

The amount of time that data is retained.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KinesisVideoStreamConfigurationUpdate

Service: Amazon Chime SDK Media Pipelines

The updated Kinesis video stream configuration object.

Contents

DataRetentionInHours

The updated time that data is retained.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KinesisVideoStreamPoolConfiguration

Service: Amazon Chime SDK Media Pipelines

The video stream pool configuration object.

Contents

CreatedTimestamp

The time at which the configuration was created.

Type: Timestamp

Required: No

PoolArn

The ARN of the video stream pool configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

PoolId

The ID of the video stream pool in the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

PoolName

The name of the video stream pool configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

PoolSize

The size of the video stream pool in the configuration.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

PoolStatus

The status of the video stream pool in the configuration.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | FAILED`

Required: No

StreamConfiguration

The Kinesis video stream pool configuration object.

Type: KinesisVideoStreamConfiguration object

Required: No

UpdatedTimestamp

The time at which the configuration was updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KinesisVideoStreamPoolSummary

Service: Amazon Chime SDK Media Pipelines

A summary of the Kinesis video stream pool.

Contents

PoolArn

The ARN of the video stream pool.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

PoolId

The ID of the video stream pool.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

PoolName

The name of the video stream pool.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KinesisVideoStreamRecordingSourceRuntimeConfiguration

Service: Amazon Chime SDK Media Pipelines

A structure that contains the runtime settings for recording a Kinesis video stream.

Contents

FragmentSelector

Describes the timestamp range and timestamp origin of a range of fragments in the Kinesis video stream.

Type: FragmentSelector object

Required: Yes

Streams

The stream or streams to be recorded.

Type: Array of RecordingStreamConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KinesisVideoStreamSourceRuntimeConfiguration

Service: Amazon Chime SDK Media Pipelines

The runtime configuration settings for the Kinesis video stream source.

Contents

MediaEncoding

Specifies the encoding of your input audio. Supported format: PCM (only signed 16-bit little-endian audio formats, which does not include WAV)

For more information, see Media formats in the *Amazon Transcribe Developer Guide*.

Type: String

Valid Values: `pcm`

Required: Yes

MediaSampleRate

The sample rate of the input audio (in hertz). Low-quality audio, such as telephone audio, is typically around 8,000 Hz. High-quality audio typically ranges from 16,000 Hz to 48,000 Hz. Note that the sample rate you specify must match that of your audio.

Valid Range: Minimum value of 8000. Maximum value of 48000.

Type: Integer

Valid Range: Minimum value of 8000. Maximum value of 48000.

Required: Yes

Streams

The streams in the source runtime configuration of a Kinesis video stream.

Type: Array of StreamConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KinesisVideoStreamSourceTaskConfiguration

Service: Amazon Chime SDK Media Pipelines

The task configuration settings for the Kinesis video stream source.

Contents

ChannelId

The channel ID.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1.

Required: Yes

StreamArn

The ARN of the stream.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `arn:[a-z\d-]+:kinesisvideo:[a-z0-9-]+:[0-9]+:[a-z]+/[a-zA-Z0-9_.-]+/[0-9]+`

Required: Yes

FragmentNumber

The unique identifier of the fragment to begin processing.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[0-9]+$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LambdaFunctionSinkConfiguration

Service: Amazon Chime SDK Media Pipelines

A structure that contains the configuration settings for an AWS Lambda function's data sink.

Contents

InsightsTarget

The ARN of the sink.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LiveConnectorRTMPConfiguration

Service: Amazon Chime SDK Media Pipelines

The media pipeline's RTMP configuration object.

Contents

Url

The URL of the RTMP configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

AudioChannels

The audio channels set for the RTMP configuration

Type: String

Valid Values: `Stereo | Mono`

Required: No

AudioSampleRate

The audio sample rate set for the RTMP configuration. Default: 48000.

Type: String

Pattern: `44100|48000`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

LiveConnectorSinkConfiguration

Service: Amazon Chime SDK Media Pipelines

The media pipeline's sink configuration settings.

Contents

RTMPConfiguration

The sink configuration's RTMP configuration settings.

Type: LiveConnectorRTMPConfiguration object

Required: Yes

SinkType

The sink configuration's sink type.

Type: String

Valid Values: `RTMP`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LiveConnectorSourceConfiguration

Service: Amazon Chime SDK Media Pipelines

The data source configuration object of a streaming media pipeline.

Contents

ChimeSdkMeetingLiveConnectorConfiguration

The configuration settings of the connector pipeline.

Type: ChimeSdkMeetingLiveConnectorConfiguration object

Required: Yes

SourceType

The source configuration's media source type.

Type: String

Valid Values: `ChimeSdkMeeting`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaCapturePipeline

Service: Amazon Chime SDK Media Pipelines

A media pipeline object consisting of an ID, source type, source ARN, a sink type, a sink ARN, and a configuration object.

Contents

ChimeSdkMeetingConfiguration

The configuration for a specified media pipeline. `SourceType` must be `ChimeSdkMeeting`.

Type: ChimeSdkMeetingConfiguration object

Required: No

CreatedTimestamp

The time at which the pipeline was created, in ISO 8601 format.

Type: Timestamp

Required: No

MediaPipelineArn

The ARN of the media capture pipeline

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

MediaPipelineId

The ID of a media pipeline.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

SinkArn

ARN of the destination to which the media artifacts are saved.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

SinkIamRoleArn

The Amazon Resource Name (ARN) of the sink role to be used with `AwsKmsKeyId` in `SseAwsKeyManagementParams`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

SinkType

Destination type to which the media artifacts are saved. You must use an S3 Bucket.

Type: String

Valid Values: `S3Bucket`

Required: No

SourceArn

ARN of the source from which the media artifacts are saved.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

SourceType

Source type from which media artifacts are saved. You must use `ChimeMeeting`.

Type: String

Valid Values: `ChimeSdkMeeting`

Required: No

SseAwsKeyManagementParams

An object that contains server side encryption parameters to be used by media capture pipeline. The parameters can also be used by media concatenation pipeline taking media capture pipeline as a media source.

Type: SseAwsKeyManagementParams object

Required: No

Status

The status of the media pipeline.

Type: String

Valid Values: `Initializing | InProgress | Failed | Stopping | Stopped | Paused | NotStarted`

Required: No

UpdatedTimestamp

The time at which the pipeline was updated, in ISO 8601 format.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaCapturePipelineSourceConfiguration

Service: Amazon Chime SDK Media Pipelines

The source configuration object of a media capture pipeline.

Contents

ChimeSdkMeetingConfiguration

The meeting configuration settings in a media capture pipeline configuration object.

Type: ChimeSdkMeetingConcatenationConfiguration object

Required: Yes

MediaPipelineArn

The media pipeline ARN in the configuration object of a media capture pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaCapturePipelineSummary

Service: Amazon Chime SDK Media Pipelines

The summary data of a media capture pipeline.

Contents

MediaPipelineArn

The ARN of the media pipeline in the summary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

MediaPipelineId

The ID of the media pipeline in the summary.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaConcatenationPipeline

Service: Amazon Chime SDK Media Pipelines

Concatenates audio and video data from one or more data streams.

Contents

CreatedTimestamp

The time at which the concatenation pipeline was created.

Type: Timestamp

Required: No

MediaPipelineArn

The ARN of the media pipeline that you specify in the `SourceConfiguration` object.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

MediaPipelineId

The ID of the media pipeline being concatenated.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

Sinks

The data sinks of the concatenation pipeline.

Type: Array of ConcatenationSink objects

Array Members: Fixed number of 1 item.

Required: No

Sources

The data sources being concatenated.

Type: Array of ConcatenationSource objects

Array Members: Fixed number of 1 item.

Required: No

Status

The status of the concatenation pipeline.

Type: String

Valid Values: `Initializing | InProgress | Failed | Stopping | Stopped | Paused | NotStarted`

Required: No

UpdatedTimestamp

The time at which the concatenation pipeline was last updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaInsightsPipeline

Service: Amazon Chime SDK Media Pipelines

A media pipeline that streams call analytics data.

Contents

CreatedTimestamp

The time at which the media insights pipeline was created.

Type: Timestamp

Required: No

ElementStatuses

The statuses that the elements in a media insights pipeline can have during data processing.

Type: Array of MediaInsightsPipelineElementStatus objects

Required: No

KinesisVideoStreamRecordingSourceRuntimeConfiguration

The runtime configuration settings for a Kinesis recording video stream in a media insights pipeline.

Type: KinesisVideoStreamRecordingSourceRuntimeConfiguration object

Required: No

KinesisVideoStreamSourceRuntimeConfiguration

The configuration settings for a Kinesis runtime video stream in a media insights pipeline.

Type: KinesisVideoStreamSourceRuntimeConfiguration object

Required: No

MediaInsightsPipelineConfigurationArn

The ARN of a media insight pipeline's configuration settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

MediaInsightsRuntimeMetadata

The runtime metadata of a media insights pipeline.

Type: String to string map

Key Length Constraints: Maximum length of 1024.

Key Pattern: `.*\S.*`

Value Length Constraints: Maximum length of 4096.

Value Pattern: `.*`

Required: No

MediaPipelineArn

The ARN of a media insights pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

MediaPipelineId

The ID of a media insights pipeline.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

S3RecordingSinkRuntimeConfiguration

The runtime configuration of the Amazon S3 bucket that stores recordings in a media insights pipeline.

Type: S3RecordingSinkRuntimeConfiguration object

Required: No

Status

The status of a media insights pipeline.

Type: String

Valid Values: `Initializing | InProgress | Failed | Stopping | Stopped | Paused | NotStarted`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaInsightsPipelineConfiguration

Service: Amazon Chime SDK Media Pipelines

A structure that contains the configuration settings for a media insights pipeline.

Contents

CreatedTimestamp

The time at which the configuration was created.

Type: Timestamp

Required: No

Elements

The elements in the configuration.

Type: Array of MediaInsightsPipelineConfigurationElement objects

Required: No

MediaInsightsPipelineConfigurationArn

The ARN of the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

MediaInsightsPipelineConfigurationId

The ID of the configuration.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

MediaInsightsPipelineConfigurationName

The name of the configuration.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

RealTimeAlertConfiguration

Lists the rules that trigger a real-time alert.

Type: RealTimeAlertConfiguration object

Required: No

ResourceAccessRoleArn

The ARN of the role used by the service to access AWS resources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

UpdatedTimestamp

The time at which the configuration was last updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaInsightsPipelineConfigurationElement

Service: Amazon Chime SDK Media Pipelines

An element in a media insights pipeline configuration.

Contents

Type

The element type.

Type: String

Valid Values: `AmazonTranscribeCallAnalyticsProcessor | VoiceAnalyticsProcessor | AmazonTranscribeProcessor | KinesisDataStreamSink | LambdaFunctionSink | SqsQueueSink | SnsTopicSink | S3RecordingSink | VoiceEnhancementSink`

Required: Yes

AmazonTranscribeCallAnalyticsProcessorConfiguration

The analytics configuration settings for transcribing audio in a media insights pipeline configuration element.

Type: AmazonTranscribeCallAnalyticsProcessorConfiguration object

Required: No

AmazonTranscribeProcessorConfiguration

The transcription processor configuration settings in a media insights pipeline configuration element.

Type: AmazonTranscribeProcessorConfiguration object

Required: No

KinesisDataStreamSinkConfiguration

The configuration settings for the Kinesis Data Stream Sink in a media insights pipeline configuration element.

Type: KinesisDataStreamSinkConfiguration object

Required: No

LambdaFunctionSinkConfiguration

The configuration settings for the AWS Lambda sink in a media insights pipeline configuration element.

Type: LambdaFunctionSinkConfiguration object

Required: No

S3RecordingSinkConfiguration

The configuration settings for the Amazon S3 recording bucket in a media insights pipeline configuration element.

Type: S3RecordingSinkConfiguration object

Required: No

SnsTopicSinkConfiguration

The configuration settings for an SNS topic sink in a media insights pipeline configuration element.

Type: SnsTopicSinkConfiguration object

Required: No

SqsQueueSinkConfiguration

The configuration settings for an SQS queue sink in a media insights pipeline configuration element.

Type: SqsQueueSinkConfiguration object

Required: No

VoiceAnalyticsProcessorConfiguration

The voice analytics configuration settings in a media insights pipeline configuration element.

Type: VoiceAnalyticsProcessorConfiguration object

Required: No

VoiceEnhancementSinkConfiguration

The configuration settings for voice enhancement sink in a media insights pipeline configuration element.

Type: VoiceEnhancementSinkConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaInsightsPipelineConfigurationSummary

Service: Amazon Chime SDK Media Pipelines

A summary of the media insights pipeline configuration.

Contents

MediaInsightsPipelineConfigurationArn

The ARN of the media insights pipeline configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

MediaInsightsPipelineConfigurationId

The ID of the media insights pipeline configuration.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

MediaInsightsPipelineConfigurationName

The name of the media insights pipeline configuration.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaInsightsPipelineElementStatus

Service: Amazon Chime SDK Media Pipelines

The status of the pipeline element.

Contents

Status

The element's status.

Type: String

Valid Values: `NotStarted | NotSupported | Initializing | InProgress | Failed | Stopping | Stopped | Paused`

Required: No

Type

The type of status.

Type: String

Valid Values: `AmazonTranscribeCallAnalyticsProcessor | VoiceAnalyticsProcessor | AmazonTranscribeProcessor | KinesisDataStreamSink | LambdaFunctionSink | SqsQueueSink | SnsTopicSink | S3RecordingSink | VoiceEnhancementSink`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaLiveConnectorPipeline

Service: Amazon Chime SDK Media Pipelines

The connector pipeline.

Contents

CreatedTimestamp

The time at which the connector pipeline was created.

Type: Timestamp

Required: No

MediaPipelineArn

The connector pipeline's ARN.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

MediaPipelineId

The connector pipeline's ID.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

Sinks

The connector pipeline's data sinks.

Type: Array of LiveConnectorSinkConfiguration objects

Array Members: Fixed number of 1 item.

Required: No

Sources

The connector pipeline's data sources.

Type: Array of LiveConnectorSourceConfiguration objects

Array Members: Fixed number of 1 item.

Required: No

Status

The connector pipeline's status.

Type: String

Valid Values: `Initializing | InProgress | Failed | Stopping | Stopped | Paused | NotStarted`

Required: No

UpdatedTimestamp

The time at which the connector pipeline was last updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaPipeline

Service: Amazon Chime SDK Media Pipelines

A pipeline consisting of a media capture, media concatenation, or live-streaming pipeline.

Contents

MediaCapturePipeline

A pipeline that enables users to capture audio and video.

Type: MediaCapturePipeline object

Required: No

MediaConcatenationPipeline

The media concatenation pipeline in a media pipeline.

Type: MediaConcatenationPipeline object

Required: No

MediaInsightsPipeline

The media insights pipeline of a media pipeline.

Type: MediaInsightsPipeline object

Required: No

MediaLiveConnectorPipeline

The connector pipeline of the media pipeline.

Type: MediaLiveConnectorPipeline object

Required: No

MediaStreamPipeline

Designates a media pipeline as a media stream pipeline.

Type: MediaStreamPipeline object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaPipelineSummary

Service: Amazon Chime SDK Media Pipelines

The summary of the media pipeline.

Contents

MediaPipelineArn

The ARN of the media pipeline in the summary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

MediaPipelineId

The ID of the media pipeline in the summary.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaStreamPipeline

Service: Amazon Chime SDK Media Pipelines

Structure that contains the settings for a media stream pipeline.

Contents

CreatedTimestamp

The time at which the media stream pipeline was created.

Type: Timestamp

Required: No

MediaPipelineArn

The ARN of the media stream pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

MediaPipelineId

The ID of the media stream pipeline

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

Sinks

The media stream pipeline's data sinks.

Type: Array of MediaStreamSink objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: No

Sources

The media stream pipeline's data sources.

Type: Array of MediaStreamSource objects

Array Members: Minimum number of 1 item.

Required: No

Status

The status of the media stream pipeline.

Type: String

Valid Values: `Initializing | InProgress | Failed | Stopping | Stopped | Paused | NotStarted`

Required: No

UpdatedTimestamp

The time at which the media stream pipeline was updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaStreamSink

Service: Amazon Chime SDK Media Pipelines

Structure that contains the settings for a media stream sink.

Contents

MediaStreamType

The media stream sink's media stream type.

Type: String

Valid Values: `MixedAudio | IndividualAudio`

Required: Yes

ReservedStreamCapacity

Specifies the number of streams that the sink can accept.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10.

Required: Yes

SinkArn

The ARN of the Kinesis Video Stream pool returned by the CreateMediaPipelineKinesisVideoStreamPool API.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

SinkType

The media stream sink's type.

Type: String

Valid Values: `KinesisVideoStreamPool`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaStreamSource

Service: Amazon Chime SDK Media Pipelines

Structure that contains the settings for media stream sources.

Contents

SourceArn

The ARN of the meeting.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

SourceType

The type of media stream source.

Type: String

Valid Values: `ChimeSdkMeeting`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MeetingEventsConcatenationConfiguration

Service: Amazon Chime SDK Media Pipelines

The configuration object for an event concatenation pipeline.

Contents

State

Enables or disables the configuration object.

Type: String

Valid Values: `Enabled | Disabled`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PostCallAnalyticsSettings

Service: Amazon Chime SDK Media Pipelines

Allows you to specify additional settings for your Call Analytics post-call request, including output locations for your redacted transcript, which IAM role to use, and which encryption key to use.

`DataAccessRoleArn` and `OutputLocation` are required fields.

`PostCallAnalyticsSettings` provides the same insights as a Call Analytics post-call transcription. For more information, refer to Post-call analytics with real-time transcriptions in the *Amazon Transcribe Developer Guide*.

Contents

DataAccessRoleArn

The ARN of the role used by AWS Transcribe to upload your post call analysis. For more information, see Post-call analytics with real-time transcriptions in the *Amazon Transcribe Developer Guide*.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: `.*`

Required: Yes

OutputLocation

The URL of the Amazon S3 bucket that contains the post-call data.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: `.*`

Required: Yes

ContentRedactionOutput

The content redaction output settings for a post-call analysis task.

Type: String

Valid Values: `redacted | redacted_and_unredacted`

Required: No

OutputEncryptionKMSKeyId

The ID of the KMS (Key Management Service) key used to encrypt the output.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: `.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PresenterOnlyConfiguration

Service: Amazon Chime SDK Media Pipelines

Defines the configuration for a presenter-only video tile.

Contents

PresenterPosition

Defines the position of the presenter video tile. Default: `TopRight`.

Type: String

Valid Values: `TopLeft | TopRight | BottomLeft | BottomRight`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RealTimeAlertConfiguration

Service: Amazon Chime SDK Media Pipelines

A structure that contains the configuration settings for real-time alerts.

Contents

Disabled

Turns off real-time alerts.

Type: Boolean

Required: No

Rules

The rules in the alert. Rules specify the words or phrases that you want to be notified about.

Type: Array of RealTimeAlertRule objects

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RealTimeAlertRule

Service: Amazon Chime SDK Media Pipelines

Specifies the words or phrases that trigger an alert.

Contents

Type

The type of alert rule.

Type: String

Valid Values: `KeywordMatch | Sentiment | IssueDetection`

Required: Yes

IssueDetectionConfiguration

Specifies the issue detection settings for a real-time alert rule.

Type: IssueDetectionConfiguration object

Required: No

KeywordMatchConfiguration

Specifies the settings for matching the keywords in a real-time alert rule.

Type: KeywordMatchConfiguration object

Required: No

SentimentConfiguration

Specifies the settings for predicting sentiment in a real-time alert rule.

Type: SentimentConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RecordingStreamConfiguration

Service: Amazon Chime SDK Media Pipelines

A structure that holds the settings for recording media.

Contents

StreamArn

The ARN of the recording stream.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `arn:[a-z\d-]+:kinesisvideo:[a-z0-9-]+:[0-9]+:[a-z]+/[a-zA-Z0-9_.-]+/[0-9]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3BucketSinkConfiguration

Service: Amazon Chime SDK Media Pipelines

The configuration settings for the S3 bucket.

Contents

Destination

The destination URL of the S3 bucket.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3RecordingSinkConfiguration

Service: Amazon Chime SDK Media Pipelines

The structure that holds the settings for transmitting media to the Amazon S3 bucket. These values are used as defaults if `S3RecordingSinkRuntimeConfiguration` is not specified.

Contents

Destination

The default URI of the Amazon S3 bucket used as the recording sink.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

RecordingFileFormat

The default file format for the media files sent to the Amazon S3 bucket.

Type: String

Valid Values: `Wav | Opus`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3RecordingSinkRuntimeConfiguration

Service: Amazon Chime SDK Media Pipelines

A structure that holds the settings for transmitting media files to the Amazon S3 bucket. If specified, the settings in this structure override any settings in `S3RecordingSinkConfiguration`.

Contents

Destination

The URI of the S3 bucket used as the sink.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

RecordingFileFormat

The file format for the media files sent to the Amazon S3 bucket.

Type: String

Valid Values: `Wav | Opus`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SelectedVideoStreams

Service: Amazon Chime SDK Media Pipelines

The video streams for a specified media pipeline. The total number of video streams can't exceed 25.

Contents

AttendeeIds

The attendee IDs of the streams selected for a media pipeline.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

ExternalUserIds

The external user IDs of the streams selected for a media pipeline.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SentimentConfiguration

Service: Amazon Chime SDK Media Pipelines

A structure that contains the configuration settings for a sentiment analysis task.

Contents

RuleName

The name of the rule in the sentiment configuration.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[0-9a-zA-Z._-]+`

Required: Yes

SentimentType

The type of sentiment, `POSITIVE`, `NEGATIVE`, or `NEUTRAL`.

Type: String

Valid Values: `NEGATIVE`

Required: Yes

TimePeriod

Specifies the analysis interval.

Type: Integer

Valid Range: Minimum value of 60. Maximum value of 1800.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SnsTopicSinkConfiguration

Service: Amazon Chime SDK Media Pipelines

The configuration settings for the SNS topic sink.

Contents

InsightsTarget

The ARN of the SNS sink.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SourceConfiguration

Service: Amazon Chime SDK Media Pipelines

Source configuration for a specified media pipeline.

Contents

SelectedVideoStreams

The selected video streams for a specified media pipeline. The number of video streams can't exceed 25.

Type: SelectedVideoStreams object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SpeakerSearchTask

Service: Amazon Chime SDK Media Pipelines

A representation of an asynchronous request to perform speaker search analysis on a media insights pipeline.

Contents

CreatedTimestamp

The time at which a speaker search task was created.

Type: Timestamp

Required: No

SpeakerSearchTaskId

The speaker search task ID.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

SpeakerSearchTaskStatus

The status of the speaker search task.

Type: String

Valid Values: `NotStarted | Initializing | InProgress | Failed | Stopping | Stopped`

Required: No

UpdatedTimestamp

The time at which a speaker search task was updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SqsQueueSinkConfiguration

Service: Amazon Chime SDK Media Pipelines

The configuration settings for the SQS sink.

Contents

InsightsTarget

The ARN of the SQS sink.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SseAwsKeyManagementParams

Service: Amazon Chime SDK Media Pipelines

Contains server side encryption parameters to be used by media capture pipeline. The parameters can also be used by media concatenation pipeline taking media capture pipeline as a media source.

Contents

AwsKmsKeyId

The AWS KMS key you want to use to encrypt your media pipeline output. Decryption is required for concatenation pipeline. If using a key located in the current AWS account, you can specify your AWS KMS key in one of four ways:

- Use the AWS KMS key ID itself. For example, `1234abcd-12ab-34cd-56ef-1234567890ab`.
- Use an alias for the AWS KMS key ID. For example, `alias/ExampleAlias`.
- Use the Amazon Resource Name (ARN) for the AWS KMS key ID. For example, `arn:aws:kms:region:account-ID:key/1234abcd-12ab-34cd-56ef-1234567890ab`.
- Use the ARN for the AWS KMS key alias. For example, `arn:aws:kms:region:account-ID:alias/ExampleAlias`.

If using a key located in a different AWS account than the current AWS account, you can specify your AWS KMS key in one of two ways:

- Use the ARN for the AWS KMS key ID. For example, `arn:aws:kms:region:account-ID:key/1234abcd-12ab-34cd-56ef-1234567890ab`.
- Use the ARN for the AWS KMS key alias. For example, `arn:aws:kms:region:account-ID:alias/ExampleAlias`.

If you don't specify an encryption key, your output is encrypted with the default Amazon S3 key (SSE-S3).

Note that the role specified in the `SinkIamRoleArn` request parameter must have permission to use the specified KMS key.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: `.*`

Required: Yes

AwsKmsEncryptionContext

Base64-encoded string of a UTF-8 encoded JSON, which contains the encryption context as non-secret key-value pair known as encryption context pairs, that provides an added layer of security for your data. For more information, see AWS KMS encryption context and Asymmetric keys in AWS KMS in the *AWS Key Management Service Developer Guide*.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: `.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StreamChannelDefinition

Service: Amazon Chime SDK Media Pipelines

Defines a streaming channel.

Contents

NumberOfChannels

The number of channels in a streaming channel.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 2.

Required: Yes

ChannelDefinitions

The definitions of the channels in a streaming channel.

Type: Array of ChannelDefinition objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StreamConfiguration

Service: Amazon Chime SDK Media Pipelines

The configuration settings for a stream.

Contents

StreamArn

The ARN of the stream.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `arn:[a-z\d-]+:kinesisvideo:[a-z0-9-]+:[0-9]+:[a-z]+/[a-zA-Z0-9_.-]+/[0-9]+`

Required: Yes

StreamChannelDefinition

The streaming channel definition in the stream configuration.

Type: StreamChannelDefinition object

Required: Yes

FragmentNumber

The unique identifier of the fragment to begin processing.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[0-9]+$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Tag

Service: Amazon Chime SDK Media Pipelines

A key/value pair that grants users access to meeting resources.

Contents

Key

The key half of a tag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Value

The value half of a tag.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TimestampRange

Service: Amazon Chime SDK Media Pipelines

The range of timestamps to return.

Contents

EndTimestamp

The ending timestamp for the specified range.

Type: Timestamp

Required: Yes

StartTimestamp

The starting timestamp for the specified range.

Type: Timestamp

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TranscriptionMessagesConcatenationConfiguration

Service: Amazon Chime SDK Media Pipelines

The configuration object for concatenating transcription messages.

Contents

State

Enables or disables the configuration object.

Type: String

Valid Values: `Enabled | Disabled`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VerticalLayoutConfiguration

Service: Amazon Chime SDK Media Pipelines

Defines the configuration settings for a vertical layout.

Contents

TileAspectRatio

Sets the aspect ratio of the video tiles, such as 16:9.

Type: String

Pattern: `^\d{1,2}\/\d{1,2}$`

Required: No

TileCount

The maximum number of tiles to display.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10.

Required: No

TileOrder

Sets the automatic ordering of the video tiles.

Type: String

Valid Values: `JoinSequence | SpeakerSequence`

Required: No

TilePosition

Sets the position of vertical tiles.

Type: String

Valid Values: `Left | Right`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VideoArtifactsConfiguration

Service: Amazon Chime SDK Media Pipelines

The video artifact configuration object.

Contents

State

Indicates whether the video artifact is enabled or disabled.

Type: String

Valid Values: `Enabled | Disabled`

Required: Yes

MuxType

The MUX type of the video artifact configuration object.

Type: String

Valid Values: `VideoOnly`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VideoAttribute

Service: Amazon Chime SDK Media Pipelines

Defines the settings for a video tile.

Contents

BorderColor

Defines the border color of all video tiles.

Type: String

Valid Values: `Black | Blue | Red | Green | White | Yellow`

Required: No

BorderThickness

Defines the border thickness for all video tiles.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

CornerRadius

Sets the corner radius of all video tiles.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

HighlightColor

Defines the highlight color for the active video tile.

Type: String

Valid Values: `Black | Blue | Red | Green | White | Yellow`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VideoConcatenationConfiguration

Service: Amazon Chime SDK Media Pipelines

The configuration object of a video concatenation pipeline.

Contents

State

Enables or disables the configuration object.

Type: String

Valid Values: `Enabled | Disabled`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VoiceAnalyticsProcessorConfiguration

Service: Amazon Chime SDK Media Pipelines

The configuration settings for a voice analytics processor.

Contents

SpeakerSearchStatus

The status of the speaker search task.

Type: String

Valid Values: `Enabled | Disabled`

Required: No

VoiceToneAnalysisStatus

The status of the voice tone analysis task.

Type: String

Valid Values: `Enabled | Disabled`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VoiceEnhancementSinkConfiguration

Service: Amazon Chime SDK Media Pipelines

A static structure that contains the configuration data for a `VoiceEnhancementSinkConfiguration` element.

Contents

Disabled

Disables the `VoiceEnhancementSinkConfiguration` element.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VoiceToneAnalysisTask

Service: Amazon Chime SDK Media Pipelines

A representation of an asynchronous request to perform voice tone analysis on a media insights pipeline.

Contents

CreatedTimestamp

The time at which a voice tone analysis task was created.

Type: Timestamp

Required: No

UpdatedTimestamp

The time at which a voice tone analysis task was updated.

Type: Timestamp

Required: No

VoiceToneAnalysisTaskId

The ID of the voice tone analysis task.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

VoiceToneAnalysisTaskStatus

The status of a voice tone analysis task.

Type: String

Valid Values: `NotStarted | Initializing | InProgress | Failed | Stopping | Stopped`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Amazon Chime SDK Meetings

The following data types are supported by Amazon Chime SDK Meetings:

- Attendee
- AttendeeCapabilities
- AttendeeFeatures
- AttendeeIdItem
- AudioFeatures
- ContentFeatures
- CreateAttendeeError
- CreateAttendeeRequestItem
- EngineTranscribeMedicalSettings
- EngineTranscribeSettings
- MediaPlacement
- Meeting
- MeetingFeaturesConfiguration
- NotificationsConfiguration
- Tag
- TranscriptionConfiguration
- VideoFeatures

Attendee

Service: Amazon Chime SDK Meetings

An Amazon Chime SDK meeting attendee. Includes a unique `AttendeeId` and `JoinToken`. The `JoinToken` allows a client to authenticate and join as the specified attendee. The `JoinToken` expires when the meeting ends, or when DeleteAttendee is called. After that, the attendee is unable to join the meeting.

We recommend securely transferring each `JoinToken` from your server application to the client so that no other client has access to the token except for the one authorized to represent the attendee.

Contents

AttendeeId

The Amazon Chime SDK attendee ID.

Type: String

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

Capabilities

The capabilities assigned to an attendee: audio, video, or content.

> **Note**
>
> You use the capabilities with a set of values that control what the capabilities can do, such as `SendReceive` data. For more information about those values, see AttendeeCapabilities.

When using capabilities, be aware of these corner cases:

- If you specify `MeetingFeatures:Video:MaxResolution:None` when you create a meeting, all API requests that include `SendReceive`, `Send`, or `Receive` for `AttendeeCapabilities:Video` will be rejected with `ValidationError 400`.

- If you specify `MeetingFeatures:Content:MaxResolution:None` when you create a meeting, all API requests that include `SendReceive`, `Send`, or `Receive` for `AttendeeCapabilities:Content` will be rejected with `ValidationError 400`.
- You can't set `content` capabilities to `SendReceive` or `Receive` unless you also set `video` capabilities to `SendReceive` or `Receive`. If you don't set the `video` capability to receive, the response will contain an HTTP 400 Bad Request status code. However, you can set your `video` capability to receive and you set your `content` capability to not receive.
- If meeting features is defined as `Video:MaxResolution:None` but `Content:MaxResolution` is defined as something other than `None` and attendee capabilities are not defined in the API request, then the default attendee video capability is set to `Receive` and attendee content capability is set to `SendReceive`. This is because content `SendReceive` requires video to be at least `Receive`.
- When you change an `audio` capability from `None` or `Receive` to `Send` or `SendReceive` , and if the attendee left their microphone unmuted, audio will flow from the attendee to the other meeting participants.
- When you change a `video` or `content` capability from `None` or `Receive` to `Send` or `SendReceive` , and if the attendee turned on their video or content streams, remote attendees can receive those streams, but only after media renegotiation between the client and the Amazon Chime back-end server.

Type: AttendeeCapabilities object

Required: No

ExternalUserId

The Amazon Chime SDK external user ID. An idempotency token. Links the attendee to an identity managed by a builder application.

Pattern: `[-_&@+=,(){}\[\]\/«».:|'"#a-zA-Z0-9À-ÿ\s]*`

Values that begin with `aws:` are reserved. You can't configure a value that uses this prefix. Case insensitive.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: No

JoinToken

The join token used by the Amazon Chime SDK attendee.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AttendeeCapabilities

Service: Amazon Chime SDK Meetings

The media capabilities of an attendee: audio, video, or content.

> **Note**
>
> You use the capabilities with a set of values that control what the capabilities can do, such as `SendReceive` data. For more information, refer to AudioFeatures and VideoFeatures.

When using capabilities, be aware of these corner cases:

- If you specify `MeetingFeatures:Video:MaxResolution:None` when you create a meeting, all API requests that include `SendReceive`, `Send`, or `Receive` for `AttendeeCapabilities:Video` will be rejected with `ValidationError 400`.
- If you specify `MeetingFeatures:Content:MaxResolution:None` when you create a meeting, all API requests that include `SendReceive`, `Send`, or `Receive` for `AttendeeCapabilities:Content` will be rejected with `ValidationError 400`.
- You can't set `content` capabilities to `SendReceive` or `Receive` unless you also set `video` capabilities to `SendReceive` or `Receive`. If you don't set the `video` capability to receive, the response will contain an HTTP 400 Bad Request status code. However, you can set your `video` capability to receive and you set your `content` capability to not receive.
- If meeting features is defined as `Video:MaxResolution:None` but `Content:MaxResolution` is defined as something other than `None` and attendee capabilities are not defined in the API request, then the default attendee video capability is set to `Receive` and attendee content capability is set to `SendReceive`. This is because content `SendReceive` requires video to be at least `Receive`.
- When you change an `audio` capability from `None` or `Receive` to `Send` or `SendReceive` , and an attendee unmutes their microphone, audio flows from the attendee to the other meeting participants.
- When you change a `video` or `content` capability from `None` or `Receive` to `Send` or `SendReceive` , and the attendee turns on their video or content streams, remote attendees can receive those streams, but only after media renegotiation between the client and the Amazon Chime back-end server.

Contents

Audio

The audio capability assigned to an attendee.

Type: String

Valid Values: `SendReceive | Send | Receive | None`

Required: Yes

Content

The content capability assigned to an attendee.

Type: String

Valid Values: `SendReceive | Send | Receive | None`

Required: Yes

Video

The video capability assigned to an attendee.

Type: String

Valid Values: `SendReceive | Send | Receive | None`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AttendeeFeatures

Service: Amazon Chime SDK Meetings

Lists the maximum number of attendees allowed into the meeting.

> **Note**
>
> If you specify FHD for `MeetingFeatures:Video:MaxResolution`, or if you specify UHD for `MeetingFeatures:Content:MaxResolution`, the maximum number of attendees changes from the default of `250` to `25`.

Contents

MaxCount

The maximum number of attendees allowed into the meeting.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 250.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AttendeeIdItem

Service: Amazon Chime SDK Meetings

A structure that contains one or more attendee IDs.

Contents

AttendeeId

A list of one or more attendee IDs.

Type: String

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AudioFeatures

Service: Amazon Chime SDK Meetings

An optional category of meeting features that contains audio-specific configurations, such as operating parameters for Amazon Voice Focus.

Contents

EchoReduction

Makes echo reduction available to clients who connect to the meeting.

Type: String

Valid Values: `AVAILABLE | UNAVAILABLE`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ContentFeatures

Service: Amazon Chime SDK Meetings

Lists the content (screen share) features for the meeting. Applies to all attendees.

> **Note**
>
> If you specify `MeetingFeatures:Content:MaxResolution:None` when you create a meeting, all API requests that include `SendReceive`, `Send`, or `Receive` for `AttendeeCapabilities:Content` will be rejected with `ValidationError 400`.

Contents

MaxResolution

The maximum resolution for the meeting content.

> **Note**
>
> Defaults to FHD. To use UHD, you must also provide a `MeetingFeatures:Attendee:MaxCount` value and override the default size limit of 250 attendees.

Type: String

Valid Values: None | FHD | UHD

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CreateAttendeeError

Service: Amazon Chime SDK Meetings

The list of errors returned when errors are encountered during the BatchCreateAttendee and CreateAttendee actions. This includes external user IDs, error codes, and error messages.

Contents

ErrorCode

The error code.

Type: String

Length Constraints: Maximum length of 4096.

Required: No

ErrorMessage

The error message.

Type: String

Length Constraints: Maximum length of 4096.

Required: No

ExternalUserId

The Amazon Chime SDK external user ID. An idempotency token. Links the attendee to an identity managed by a builder application.

Pattern: `[-_&@+=,(){}\[\]\/«».:|'"#a-zA-Z0-9À-ÿ\s]*`

Values that begin with `aws:` are reserved. You can't configure a value that uses this prefix. Case insensitive.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CreateAttendeeRequestItem

Service: Amazon Chime SDK Meetings

The Amazon Chime SDK attendee fields to create, used with the BatchCreateAttendee action.

Contents

ExternalUserId

The Amazon Chime SDK external user ID. An idempotency token. Links the attendee to an identity managed by a builder application.

Pattern: `[-_&@+=,(){}\[\]\/«».:|'"#a-zA-Z0-9À-ÿ\s]*`

Values that begin with `aws:` are reserved. You can't configure a value that uses this prefix. Case insensitive.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: Yes

Capabilities

A list of one or more capabilities.

Type: AttendeeCapabilities object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EngineTranscribeMedicalSettings

Service: Amazon Chime SDK Meetings

Settings specific to the Amazon Transcribe Medical engine.

Contents

LanguageCode

The language code specified for the Amazon Transcribe Medical engine.

Type: String

Valid Values: `en-US`

Required: Yes

Specialty

The specialty specified for the Amazon Transcribe Medical engine.

Type: String

Valid Values: `PRIMARYCARE | CARDIOLOGY | NEUROLOGY | ONCOLOGY | RADIOLOGY | UROLOGY`

Required: Yes

Type

The type of transcription.

Type: String

Valid Values: `CONVERSATION | DICTATION`

Required: Yes

ContentIdentificationType

Set this field to `PHI` to identify personal health information in the transcription output.

Type: String

Valid Values: `PHI`

Required: No

Region

The AWS Region passed to Amazon Transcribe Medical. If you don't specify a Region, Amazon Chime uses the meeting's Region.

Type: String

Valid Values: `us-east-1 | us-east-2 | us-west-2 | ap-southeast-2 | ca-central-1 | eu-west-1 | auto`

Required: No

VocabularyName

The name of the vocabulary passed to Amazon Transcribe Medical.

Type: String

Length Constraints: Maximum length of 4096.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EngineTranscribeSettings

Service: Amazon Chime SDK Meetings

Settings specific for Amazon Transcribe as the live transcription engine.

If you specify an invalid combination of parameters, a `TranscriptFailed` event will be sent with the contents of the `BadRequestException` generated by Amazon Transcribe. For more information on each parameter and which combinations are valid, refer to the StartStreamTranscription API in the *Amazon Transcribe Developer Guide*.

Contents

ContentIdentificationType

Labels all personally identifiable information (PII) identified in your transcript. If you don't include `PiiEntityTypes`, all PII is identified.

> **Note**
>
> You can't set `ContentIdentificationType` and `ContentRedactionType`.

Type: String

Valid Values: `PII`

Required: No

ContentRedactionType

Content redaction is performed at the segment level. If you don't include `PiiEntityTypes`, all PII is redacted.

> **Note**
>
> You can't set `ContentRedactionType` and `ContentIdentificationType`.

Type: String

Valid Values: `PII`

Required: No

EnablePartialResultsStabilization

Enables partial result stabilization for your transcription. Partial result stabilization can reduce latency in your output, but may impact accuracy.

Type: Boolean

Required: No

IdentifyLanguage

Enables automatic language identification for your transcription.

If you include `IdentifyLanguage`, you can optionally use `LanguageOptions` to include a list of language codes that you think may be present in your audio stream. Including language options can improve transcription accuracy.

You can also use `PreferredLanguage` to include a preferred language. Doing so can help Amazon Transcribe identify the language faster.

You must include either `LanguageCode` or `IdentifyLanguage`.

Language identification can't be combined with custom language models or redaction.

Type: Boolean

Required: No

LanguageCode

Specify the language code that represents the language spoken.

If you're unsure of the language spoken in your audio, consider using `IdentifyLanguage` to enable automatic language identification.

Type: String

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR | ja-JP | ko-KR | zh-CN | th-TH | hi-IN`

Required: No

LanguageModelName

Specify the name of the custom language model that you want to use when processing your transcription. Note that language model names are case sensitive.

The language of the specified language model must match the language code. If the languages don't match, the custom language model isn't applied. There are no errors or warnings associated with a language mismatch.

If you use Amazon Transcribe in multiple Regions, the custom language model must be available in Amazon Transcribe in each Region.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[0-9a-zA-Z._-]+`

Required: No

LanguageOptions

Specify two or more language codes that represent the languages you think may be present in your media; including more than five is not recommended. If you're unsure what languages are present, do not include this parameter.

Including language options can improve the accuracy of language identification.

If you include `LanguageOptions`, you must also include `IdentifyLanguage`.

> **Important**
>
> You can only include one language dialect per language. For example, you cannot include `en-US` and `en-AU`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^[a-zA-Z-,]+`

Required: No

PartialResultsStability

Specify the level of stability to use when you enable partial results stabilization (`EnablePartialResultsStabilization`).

Low stability provides the highest accuracy. High stability transcribes faster, but with slightly lower accuracy.

Type: String

Valid Values: `low | medium | high`

Required: No

PiiEntityTypes

Specify which types of personally identifiable information (PII) you want to redact in your transcript. You can include as many types as you'd like, or you can select `ALL`.

Values must be comma-separated and can include: `ADDRESS`, `BANK_ACCOUNT_NUMBER`, `BANK_ROUTING`, `CREDIT_DEBIT_CVV`, `CREDIT_DEBIT_EXPIRY` `CREDIT_DEBIT_NUMBER`, `EMAIL`,`NAME`, `PHONE`, `PIN`, `SSN`, or `ALL`.

Note that if you include `PiiEntityTypes`, you must also include `ContentIdentificationType` or `ContentRedactionType`.

If you include `ContentRedactionType` or `ContentIdentificationType`, but do not include PiiEntityTypes, all PII is redacted or identified.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 300.

Pattern: `^[A-Z_, ]+`

Required: No

PreferredLanguage

Specify a preferred language from the subset of languages codes you specified in `LanguageOptions`.

You can only use this parameter if you include `IdentifyLanguage` and `LanguageOptions`.

Type: String

Valid Values: `en-US | en-GB | es-US | fr-CA | fr-FR | en-AU | it-IT | de-DE | pt-BR | ja-JP | ko-KR | zh-CN | th-TH | hi-IN`

Required: No

Region

The AWS Region in which to use Amazon Transcribe.

If you don't specify a Region, then the MediaRegion of the meeting is used. However, if Amazon Transcribe is not available in the `MediaRegion`, then a `TranscriptFailed` event is sent.

Use `auto` to use Amazon Transcribe in a Region near the meeting's `MediaRegion`. For more information, refer to Choosing a transcription Region in the *Amazon Chime SDK Developer Guide*.

Type: String

Valid Values: `us-east-2 | us-east-1 | us-west-2 | ap-northeast-2 | ap-southeast-2 | ap-northeast-1 | ca-central-1 | eu-central-1 | eu-west-1 | eu-west-2 | sa-east-1 | auto | us-gov-west-1`

Required: No

VocabularyFilterMethod

Specify how you want your vocabulary filter applied to your transcript.

To replace words with `***`, choose `mask`.

To delete words, choose `remove`.

To flag words without changing them, choose `tag`.

Type: String

Valid Values: `remove | mask | tag`

Required: No

VocabularyFilterName

Specify the name of the custom vocabulary filter that you want to use when processing your transcription. Note that vocabulary filter names are case sensitive.

If you use Amazon Transcribe in multiple Regions, the vocabulary filter must be available in Amazon Transcribe in each Region.

If you include `IdentifyLanguage` and want to use one or more vocabulary filters with your transcription, use the `VocabularyFilterNames` parameter instead.

Type: String

Length Constraints: Maximum length of 4096.

Required: No

VocabularyFilterNames

Specify the names of the custom vocabulary filters that you want to use when processing your transcription. Note that vocabulary filter names are case sensitive.

If you use Amazon Transcribe in multiple Regions, the vocabulary filter must be available in Amazon Transcribe in each Region.

If you're *not* including `IdentifyLanguage` and want to use a custom vocabulary filter with your transcription, use the `VocabularyFilterName` parameter instead.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 3000.

Pattern: `^[a-zA-Z0-9,-._]+`

Required: No

VocabularyName

Specify the name of the custom vocabulary that you want to use when processing your transcription. Note that vocabulary names are case sensitive.

If you use Amazon Transcribe multiple Regions, the vocabulary must be available in Amazon Transcribe in each Region.

If you include `IdentifyLanguage` and want to use one or more custom vocabularies with your transcription, use the `VocabularyNames` parameter instead.

Type: String

Length Constraints: Maximum length of 4096.

Required: No

VocabularyNames

Specify the names of the custom vocabularies that you want to use when processing your transcription. Note that vocabulary names are case sensitive.

If you use Amazon Transcribe in multiple Regions, the vocabulary must be available in Amazon Transcribe in each Region.

If you don't include `IdentifyLanguage` and want to use a custom vocabulary with your transcription, use the `VocabularyName` parameter instead.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 3000.

Pattern: `^[a-zA-Z0-9,-._]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaPlacement

Service: Amazon Chime SDK Meetings

A set of endpoints used by clients to connect to the media service group for an Amazon Chime SDK meeting.

Contents

AudioFallbackUrl

The audio fallback URL.

Type: String

Length Constraints: Maximum length of 4096.

Required: No

AudioHostUrl

The audio host URL.

Type: String

Length Constraints: Maximum length of 4096.

Required: No

EventIngestionUrl

The event ingestion URL.

Type: String

Length Constraints: Maximum length of 4096.

Required: No

ScreenDataUrl

The screen data URL.

> **Important**
>
> **This parameter is deprecated and no longer used by the Amazon Chime SDK.**

Type: String

Length Constraints: Maximum length of 4096.

Required: No

ScreenSharingUrl

The screen sharing URL.

> **Important**
>
> **This parameter is deprecated and no longer used by the Amazon Chime SDK.**

Type: String

Length Constraints: Maximum length of 4096.

Required: No

ScreenViewingUrl

The screen viewing URL.

> **Important**
>
> **This parameter is deprecated and no longer used by the Amazon Chime SDK.**

Type: String

Length Constraints: Maximum length of 4096.

Required: No

SignalingUrl

The signaling URL.

Type: String

Length Constraints: Maximum length of 4096.

Required: No

TurnControlUrl

The turn control URL.

> **Important**
>
> **This parameter is deprecated and no longer used by the Amazon Chime SDK.**

Type: String

Length Constraints: Maximum length of 4096.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Meeting

Service: Amazon Chime SDK Meetings

A meeting created using the Amazon Chime SDK.

Contents

ExternalMeetingId

The external meeting ID.

Pattern: `[-_&@+=,(){}\[\]\/«».:|'"#a-zA-Z0-9À-ÿ\s]*`

Values that begin with `aws:` are reserved. You can't configure a value that uses this prefix. Case insensitive.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: No

MediaPlacement

The media placement for the meeting.

Type: MediaPlacement object

Required: No

MediaRegion

The Region in which you create the meeting. Available values: `af-south-1`, `ap-northeast-1`, `ap-northeast-2`, `ap-south-1`, `ap-southeast-1`, `ap-southeast-2`, `ca-central-1`, `eu-central-1`, `eu-north-1`, `eu-south-1`, `eu-west-1`, `eu-west-2`, `eu-west-3`, `sa-east-1`, `us-east-1`, `us-east-2`, `us-west-1`, `us-west-2`.

Available values in AWS GovCloud (US) Regions: `us-gov-east-1`, `us-gov-west-1`.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: No

MeetingArn

The ARN of the meeting.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `^arn:.*`

Required: No

MeetingFeatures

The features available to a meeting, such as echo reduction.

Type: MeetingFeaturesConfiguration object

Required: No

MeetingHostId

Reserved.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: No

MeetingId

The Amazon Chime SDK meeting ID.

Type: String

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

PrimaryMeetingId

When specified, replicates the media from the primary meeting to this meeting.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Required: No

TenantIds

Array of strings.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 2. Maximum length of 256.

Pattern: `^(?!.*?(.)\1{3})[-_!@#$a-zA-Z0-9]*$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MeetingFeaturesConfiguration

Service: Amazon Chime SDK Meetings

The configuration settings of the features available to a meeting.

Contents

Attendee

The configuration settings for the attendee features available to a meeting.

Type: AttendeeFeatures object

Required: No

Audio

The configuration settings for the audio features available to a meeting.

Type: AudioFeatures object

Required: No

Content

The configuration settings for the content features available to a meeting.

Type: ContentFeatures object

Required: No

Video

The configuration settings for the video features available to a meeting.

Type: VideoFeatures object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

NotificationsConfiguration

Service: Amazon Chime SDK Meetings

The configuration for resource targets to receive notifications when meeting and attendee events occur.

Contents

LambdaFunctionArn

The ARN of the AWS Lambda function in the notifications configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

SnsTopicArn

The ARN of the SNS topic.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

SqsQueueArn

The ARN of the SQS queue.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Tag

Service: Amazon Chime SDK Meetings

A key-value pair that you define.

Contents

Key

The tag's key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[a-zA-Z+-=._:/]+$`

Required: Yes

Value

The tag's value.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\w+-=\.:/@]*`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TranscriptionConfiguration

Service: Amazon Chime SDK Meetings

The configuration for the current transcription operation. Must contain `EngineTranscribeSettings` or `EngineTranscribeMedicalSettings`.

Contents

EngineTranscribeMedicalSettings

The transcription configuration settings passed to Amazon Transcribe Medical.

Type: EngineTranscribeMedicalSettings object

Required: No

EngineTranscribeSettings

The transcription configuration settings passed to Amazon Transcribe.

Type: EngineTranscribeSettings object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VideoFeatures

Service: Amazon Chime SDK Meetings

The video features set for the meeting. Applies to all attendees.

> **Note**
>
> If you specify `MeetingFeatures:Video:MaxResolution:None` when you create a meeting, all API requests that include `SendReceive`, `Send`, or `Receive` for `AttendeeCapabilities:Video` will be rejected with `ValidationError 400`.

Contents

MaxResolution

The maximum video resolution for the meeting. Applies to all attendees.

> **Note**
>
> Defaults to HD. To use FHD, you must also provide a `MeetingFeatures:Attendee:MaxCount` value and override the default size limit of 250 attendees.

Type: String

Valid Values: None | HD | FHD

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Amazon Chime SDK Messaging

The following data types are supported by Amazon Chime SDK Messaging:

- AppInstanceUserMembershipSummary
- BatchChannelMemberships
- BatchCreateChannelMembershipError
- Channel
- ChannelAssociatedWithFlowSummary
- ChannelBan
- ChannelBanSummary
- ChannelFlow
- ChannelFlowSummary
- ChannelMembership
- ChannelMembershipForAppInstanceUserSummary
- ChannelMembershipPreferences
- ChannelMembershipSummary
- ChannelMessage
- ChannelMessageCallback
- ChannelMessageStatusStructure
- ChannelMessageSummary
- ChannelModeratedByAppInstanceUserSummary
- ChannelModerator
- ChannelModeratorSummary
- ChannelSummary
- ElasticChannelConfiguration
- ExpirationSettings
- Identity
- LambdaConfiguration
- MessageAttributeValue
- MessagingSessionEndpoint

- Processor
- ProcessorConfiguration
- PushNotificationConfiguration
- PushNotificationPreferences
- SearchField
- StreamingConfiguration
- SubChannelSummary
- Tag
- Target

AppInstanceUserMembershipSummary

Service: Amazon Chime SDK Messaging

Summary of the membership details of an `AppInstanceUser`.

Contents

ReadMarkerTimestamp

The time at which an `AppInstanceUser` last marked a channel as read.

Type: Timestamp

Required: No

SubChannelId

The ID of the SubChannel that the `AppInstanceUser` is a member of.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Type

The type of `ChannelMembership`.

Type: String

Valid Values: `DEFAULT | HIDDEN`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchChannelMemberships

Service: Amazon Chime SDK Messaging

The membership information, including member ARNs, the channel ARN, and membership types.

Contents

ChannelArn

The ARN of the channel to which you're adding members.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

InvitedBy

The identifier of the member who invited another member.

Type: Identity object

Required: No

Members

The users successfully added to the request.

Type: Array of Identity objects

Required: No

SubChannelId

The ID of the SubChannel.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Type

The membership types set for the channel members.

Type: String

Valid Values: `DEFAULT | HIDDEN`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchCreateChannelMembershipError

Service: Amazon Chime SDK Messaging

A list of failed member ARNs, error codes, and error messages.

Contents

ErrorCode

The error code.

Type: String

Valid Values: `BadRequest | Conflict | Forbidden | NotFound | PreconditionFailed | ResourceLimitExceeded | ServiceFailure | AccessDenied | ServiceUnavailable | Throttled | Throttling | Unauthorized | Unprocessable | VoiceConnectorGroupAssociationsExist | PhoneNumberAssociationsExist`

Required: No

ErrorMessage

The error message.

Type: String

Required: No

MemberArn

The `AppInstanceUserArn` of the member that the service couldn't add.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Channel

Service: Amazon Chime SDK Messaging

The details of a channel.

Contents

ChannelArn

The ARN of a channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

ChannelFlowArn

The ARN of the channel flow.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

CreatedBy

The `AppInstanceUser` who created the channel.

Type: Identity object

Required: No

CreatedTimestamp

The time at which the `AppInstanceUser` created the channel.

Type: Timestamp

Required: No

ElasticChannelConfiguration

The attributes required to configure and create an elastic channel. An elastic channel can support a maximum of 1-million members.

Type: ElasticChannelConfiguration object

Required: No

ExpirationSettings

Settings that control when a channel expires.

Type: ExpirationSettings object

Required: No

LastMessageTimestamp

The time at which a member sent the last message in the channel.

Type: Timestamp

Required: No

LastUpdatedTimestamp

The time at which a channel was last updated.

Type: Timestamp

Required: No

Metadata

The channel's metadata.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Mode

The mode of the channel.

Type: String

Valid Values: `UNRESTRICTED | RESTRICTED`

Required: No

Name

The name of a channel.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

Privacy

The channel's privacy setting.

Type: String

Valid Values: `PUBLIC | PRIVATE`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelAssociatedWithFlowSummary

Service: Amazon Chime SDK Messaging

Summary of details of a channel associated with channel flow.

Contents

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

Metadata

The channel's metadata.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Mode

The mode of the channel.

Type: String

Valid Values: `UNRESTRICTED | RESTRICTED`

Required: No

Name

The name of the channel flow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

Privacy

The channel's privacy setting.

Type: String

Valid Values: `PUBLIC | PRIVATE`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelBan

Service: Amazon Chime SDK Messaging

The details of a channel ban.

Contents

ChannelArn

The ARN of the channel from which a member is being banned.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

CreatedBy

The `AppInstanceUser` who created the ban.

Type: Identity object

Required: No

CreatedTimestamp

The time at which the ban was created.

Type: Timestamp

Required: No

Member

The member being banned from the channel.

Type: Identity object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelBanSummary

Service: Amazon Chime SDK Messaging

Summary of the details of a `ChannelBan`.

Contents

Member

The member being banned from a channel.

Type: Identity object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelFlow

Service: Amazon Chime SDK Messaging

The details of a channel flow.

Contents

ChannelFlowArn

The ARN of the channel flow.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

CreatedTimestamp

The time at which the channel flow was created.

Type: Timestamp

Required: No

LastUpdatedTimestamp

The time at which a channel flow was updated.

Type: Timestamp

Required: No

Name

The name of the channel flow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

Processors

Information about the processor Lambda functions.

Type: Array of Processor objects

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelFlowSummary

Service: Amazon Chime SDK Messaging

Summary of details of a channel flow.

Contents

ChannelFlowArn

The ARN of the channel flow.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

Name

The name of the channel flow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

Processors

Information about the processor Lambda functions.

Type: Array of Processor objects

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelMembership

Service: Amazon Chime SDK Messaging

The details of a channel member.

Contents

ChannelArn

The ARN of the member's channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

CreatedTimestamp

The time at which the channel membership was created.

Type: Timestamp

Required: No

InvitedBy

The identifier of the member who invited another member.

Type: Identity object

Required: No

LastUpdatedTimestamp

The time at which a channel membership was last updated.

Type: Timestamp

Required: No

Member

The data of the channel member.

Type: Identity object

Required: No

SubChannelId

The ID of the SubChannel that a user belongs to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Type

The membership type set for the channel member.

Type: String

Valid Values: `DEFAULT | HIDDEN`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelMembershipForAppInstanceUserSummary

Service: Amazon Chime SDK Messaging

Summary of the channel membership details of an `AppInstanceUser`.

Contents

AppInstanceUserMembershipSummary

Returns the channel membership data for an `AppInstance`.

Type: AppInstanceUserMembershipSummary object

Required: No

ChannelSummary

Returns the channel data for an `AppInstance`.

Type: ChannelSummary object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelMembershipPreferences

Service: Amazon Chime SDK Messaging

The channel membership preferences for an `AppInstanceUser`.

Contents

PushNotifications

The push notification configuration of a message.

Type: PushNotificationPreferences object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelMembershipSummary

Service: Amazon Chime SDK Messaging

Summary of the details of a `ChannelMembership`.

Contents

Member

A member's summary data.

Type: Identity object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelMessage

Service: Amazon Chime SDK Messaging

The details of a message in a channel.

Contents

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

Content

The content of the channel message. For Amazon Lex V2 bot responses, this field holds a list of messages originating from the bot. For more information, refer to Processing responses from an AppInstanceBot in the *Amazon Chime SDK Messaging Developer Guide*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Pattern: `[\s\S]*`

Required: No

ContentType

The content type of the channel message. For Amazon Lex V2 bot responses, the content type is `application/amz-chime-lex-msgs` for success responses and `application/amz-chime-lex-error` for failure responses. For more information, refer to Processing responses from an AppInstanceBot in the *Amazon Chime SDK Messaging Developer Guide*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 45.

Pattern: `[\s\S]*`

Required: No

CreatedTimestamp

The time at which the message was created.

Type: Timestamp

Required: No

LastEditedTimestamp

The time at which a message was edited.

Type: Timestamp

Required: No

LastUpdatedTimestamp

The time at which a message was updated.

Type: Timestamp

Required: No

MessageAttributes

The attributes for the channel message. For Amazon Lex V2 bot responses, the attributes are mapped to specific fields from the bot. For more information, refer to Processing responses from an AppInstanceBot in the *Amazon Chime SDK Messaging Developer Guide*.

Type: String to MessageAttributeValue object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `[\s\S]*`

Required: No

MessageId

The ID of a message.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Metadata

The message metadata.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Persistence

The persistence setting for a channel message.

Type: String

Valid Values: `PERSISTENT | NON_PERSISTENT`

Required: No

Redacted

Hides the content of a message.

Type: Boolean

Required: No

Sender

The message sender.

Type: Identity object

Required: No

Status

The status of the channel message.

Type: ChannelMessageStatusStructure object

Required: No

SubChannelId

The ID of the SubChannel.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Target

The target of a message, a sender, a user, or a bot. Only the target and the sender can view targeted messages. Only users who can see targeted messages can take actions on them. However, administrators can delete targeted messages that they can't see.

Type: Array of Target objects

Array Members: Fixed number of 1 item.

Required: No

Type

The message type.

Type: String

Valid Values: `STANDARD | CONTROL`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelMessageCallback

Service: Amazon Chime SDK Messaging

Stores information about a callback.

Contents

MessageId

The message ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: Yes

Content

The message content. For Amazon Lex V2 bot responses, this field holds a list of messages originating from the bot. For more information, refer to Processing responses from an AppInstanceBot in the *Amazon Chime SDK Messaging Developer Guide*.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `[\s\S]*`

Required: No

ContentType

The content type of the call-back message. For Amazon Lex V2 bot responses, the content type is `application/amz-chime-lex-msgs` for success responses and `application/amz-chime-lex-error` for failure responses. For more information, refer to Processing responses from an AppInstanceBot in the *Amazon Chime SDK Messaging Developer Guide*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 45.

Pattern: `[\s\S]*`

Required: No

MessageAttributes

The attributes for the channel message. For Amazon Lex V2 bot responses, the attributes are mapped to specific fields from the bot. For more information, refer to Processing responses from an AppInstanceBot in the *Amazon Chime SDK Messaging Developer Guide*.

Type: String to MessageAttributeValue object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `[\s\S]*`

Required: No

Metadata

The message metadata.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

PushNotification

The push notification configuration of the message.

Type: PushNotificationConfiguration object

Required: No

SubChannelId

The ID of the SubChannel.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelMessageStatusStructure

Service: Amazon Chime SDK Messaging

Stores information about a message status.

Contents

Detail

Contains more details about the message status.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

Value

The message status value.

Type: String

Valid Values: `SENT | PENDING | FAILED | DENIED`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelMessageSummary

Service: Amazon Chime SDK Messaging

Summary of the messages in a `Channel`.

Contents

Content

The content of the channel message. For Amazon Lex V2 bot responses, this field holds a list of messages originating from the bot. For more information, refer to Processing responses from an AppInstanceBot in the *Amazon Chime SDK Messaging Developer Guide*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Pattern: `[\s\S]*`

Required: No

ContentType

The content type of the channel message listed in the summary. For Amazon Lex V2 bot responses, the content type is `application/amz-chime-lex-msgs` for success responses and `application/amz-chime-lex-error` for failure responses. For more information, refer to Processing responses from an AppInstanceBot in the *Amazon Chime SDK Messaging Developer Guide*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 45.

Pattern: `[\s\S]*`

Required: No

CreatedTimestamp

The time at which the message summary was created.

Type: Timestamp

Required: No

LastEditedTimestamp

The time at which a message was last edited.

Type: Timestamp

Required: No

LastUpdatedTimestamp

The time at which a message was last updated.

Type: Timestamp

Required: No

MessageAttributes

The attributes for the channel message. For Amazon Lex V2 bot responses, the attributes are mapped to specific fields from the bot. For more information, refer to Processing responses from an AppInstanceBot in the *Amazon Chime SDK Messaging Developer Guide*.

Type: String to MessageAttributeValue object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `[\s\S]*`

Required: No

MessageId

The ID of the message.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

Metadata

The metadata of the message.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Redacted

Indicates whether a message was redacted.

Type: Boolean

Required: No

Sender

The message sender.

Type: Identity object

Required: No

Status

The message status. The status value is SENT for messages sent to a channel without a channel flow. For channels associated with channel flow, the value determines the processing stage.

Type: ChannelMessageStatusStructure object

Required: No

Target

The target of a message, a sender, a user, or a bot. Only the target and the sender can view targeted messages. Only users who can see targeted messages can take actions on them. However, administrators can delete targeted messages that they can't see.

Type: Array of Target objects

Array Members: Fixed number of 1 item.

Required: No

Type

The type of message.

Type: String

Valid Values: `STANDARD` | `CONTROL`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelModeratedByAppInstanceUserSummary

Service: Amazon Chime SDK Messaging

Summary of the details of a moderated channel.

Contents

ChannelSummary

Summary of the details of a `Channel`.

Type: ChannelSummary object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelModerator

Service: Amazon Chime SDK Messaging

The details of a channel moderator.

Contents

ChannelArn

The ARN of the moderator's channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

CreatedBy

The `AppInstanceUser` who created the moderator.

Type: Identity object

Required: No

CreatedTimestamp

The time at which the moderator was created.

Type: Timestamp

Required: No

Moderator

The moderator's data.

Type: Identity object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelModeratorSummary

Service: Amazon Chime SDK Messaging

Summary of the details of a `ChannelModerator`.

Contents

Moderator

The data for a moderator.

Type: Identity object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChannelSummary

Service: Amazon Chime SDK Messaging

Summary of the details of a `Channel`.

Contents

ChannelArn

The ARN of the channel.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

LastMessageTimestamp

The time at which the last persistent message visible to the caller in a channel was sent.

Type: Timestamp

Required: No

Metadata

The metadata of the channel.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*`

Required: No

Mode

The mode of the channel.

Type: String

Valid Values: `UNRESTRICTED | RESTRICTED`

Required: No

Name

The name of the channel.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

Privacy

The privacy setting of the channel.

Type: String

Valid Values: `PUBLIC | PRIVATE`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ElasticChannelConfiguration

Service: Amazon Chime SDK Messaging

The attributes required to configure and create an elastic channel. An elastic channel can support a maximum of 1-million members.

Contents

MaximumSubChannels

The maximum number of SubChannels that you want to allow in the elastic channel.

Type: Integer

Valid Range: Minimum value of 2.

Required: Yes

MinimumMembershipPercentage

The minimum allowed percentage of TargetMembershipsPerSubChannel users. Ceil of the calculated value is used in balancing members among SubChannels of the elastic channel.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 40.

Required: Yes

TargetMembershipsPerSubChannel

The maximum number of members allowed in a SubChannel.

Type: Integer

Valid Range: Minimum value of 2.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExpirationSettings

Service: Amazon Chime SDK Messaging

Settings that control the interval after which a channel is deleted.

Contents

ExpirationCriterion

The conditions that must be met for a channel to expire.

Type: String

Valid Values: `CREATED_TIMESTAMP | LAST_MESSAGE_TIMESTAMP`

Required: Yes

ExpirationDays

The period in days after which the system automatically deletes a channel.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5475.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Identity

Service: Amazon Chime SDK Messaging

The details of a user or bot.

Contents

Arn

The ARN in an Identity.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

Name

The name in an Identity.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LambdaConfiguration

Service: Amazon Chime SDK Messaging

Stores metadata about a Lambda processor.

Contents

InvocationType

Controls how the Lambda function is invoked.

Type: String

Valid Values: `ASYNC`

Required: Yes

ResourceArn

The ARN of the Lambda message processing function.

Type: String

Length Constraints: Minimum length of 15. Maximum length of 2048.

Pattern: `arn:aws:lambda:[a-z]{2}-[a-z]+-\d{1}:\d{12}:function:[a-zA-Z0-9\-_\.]+(:(\$LATEST|[a-zA-Z0-9\-_]+))?`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MessageAttributeValue

Service: Amazon Chime SDK Messaging

A list of message attribute values.

Contents

StringValues

The strings in a message attribute value.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MessagingSessionEndpoint

Service: Amazon Chime SDK Messaging

The websocket endpoint used to connect to Amazon Chime SDK messaging.

Contents

Url

The endpoint to which you establish a websocket connection.

Type: String

Length Constraints: Maximum length of 4096.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Processor

Service: Amazon Chime SDK Messaging

The information about a processor in a channel flow.

Contents

Configuration

The information about the type of processor and its identifier.

Type: ProcessorConfiguration object

Required: Yes

ExecutionOrder

The sequence in which processors run. If you have multiple processors in a channel flow, message processing goes through each processor in the sequence. The value determines the sequence. At this point, we support only 1 processor within a flow.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 3.

Required: Yes

FallbackAction

Determines whether to continue with message processing or stop it in cases where communication with a processor fails. If a processor has a fallback action of `ABORT` and communication with it fails, the processor sets the message status to `FAILED` and does not send the message to any recipients. Note that if the last processor in the channel flow sequence has a fallback action of `CONTINUE` and communication with the processor fails, then the message is considered processed and sent to recipients of the channel.

Type: String

Valid Values: `CONTINUE | ABORT`

Required: Yes

Name

The name of the channel flow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProcessorConfiguration

Service: Amazon Chime SDK Messaging

A processor's metadata.

Contents

Lambda

Indicates that the processor is of type Lambda.

Type: LambdaConfiguration object

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PushNotificationConfiguration

Service: Amazon Chime SDK Messaging

The push notification configuration of the message.

Contents

Body

The body of the push notification.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 150.

Pattern: `[\s\S]*`

Required: No

Title

The title of the push notification.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `.*`

Required: No

Type

Enum value that indicates the type of the push notification for a message. `DEFAULT`: Normal mobile push notification. `VOIP`: VOIP mobile push notification.

Type: String

Valid Values: `DEFAULT | VOIP`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PushNotificationPreferences

Service: Amazon Chime SDK Messaging

The channel membership preferences for push notification.

Contents

AllowNotifications

Enum value that indicates which push notifications to send to the requested member of a channel. `ALL` sends all push notifications, `NONE` sends no push notifications, `FILTERED` sends only filtered push notifications.

Type: String

Valid Values: `ALL | NONE | FILTERED`

Required: Yes

FilterRule

The simple JSON object used to send a subset of a push notification to the requested member.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SearchField

Service: Amazon Chime SDK Messaging

A `Field` of the channel that you want to search.

> **Note**
>
> This operation isn't supported for `AppInstanceUsers` with a large number of memberships.

Contents

Key

An `enum` value that indicates the key to search the channel on. `MEMBERS` allows you to search channels based on memberships. You can use it with the `EQUALS` operator to get channels whose memberships are equal to the specified values, and with the `INCLUDES` operator to get channels whose memberships include the specified values.

Type: String

Valid Values: `MEMBERS`

Required: Yes

Operator

The operator used to compare field values, currently `EQUALS` or `INCLUDES`. Use the `EQUALS` operator to find channels whose memberships equal the specified values. Use the `INCLUDES` operator to find channels whose memberships include the specified values.

Type: String

Valid Values: `EQUALS | INCLUDES`

Required: Yes

Values

The values that you want to search for, a list of strings. The values must be `AppInstanceUserArns` specified as a list of strings.

> **Note**
>
> This operation isn't supported for `AppInstanceUsers` with a large number of memberships.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\s\S]*`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StreamingConfiguration

Service: Amazon Chime SDK Messaging

The configuration for connecting a messaging stream to Amazon Kinesis.

Contents

DataType

The data type of the configuration.

Type: String

Valid Values: `Channel | ChannelMessage`

Required: Yes

ResourceArn

The ARN of the resource in the configuration.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SubChannelSummary

Service: Amazon Chime SDK Messaging

Summary of the sub-channels associated with the elastic channel.

Contents

MembershipCount

The number of members in a SubChannel.

Type: Integer

Required: No

SubChannelId

The unique ID of a SubChannel.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[-_a-zA-Z0-9]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Tag

Service: Amazon Chime SDK Messaging

A tag object containing a key-value pair.

Contents

Key

The key in a tag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Value

The value in a tag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Target

Service: Amazon Chime SDK Messaging

The target of a message, a sender, a user, or a bot. Only the target and the sender can view targeted messages. Only users who can see targeted messages can take actions on them. However, administrators can delete targeted messages that they can't see.

Contents

MemberArn

The ARN of the target channel member.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 1600.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Amazon Chime SDK Voice

The following data types are supported by Amazon Chime SDK Voice:

- Address
- CallDetails
- CandidateAddress

- Credential
- DNISEmergencyCallingConfiguration
- EmergencyCallingConfiguration
- ExternalSystemsConfiguration
- GeoMatchParams
- LoggingConfiguration
- MediaInsightsConfiguration
- OrderedPhoneNumber
- Origination
- OriginationRoute
- Participant
- PhoneNumber
- PhoneNumberAssociation
- PhoneNumberCapabilities
- PhoneNumberCountry
- PhoneNumberError
- PhoneNumberOrder
- Proxy
- ProxySession
- ServerSideEncryptionConfiguration
- SipMediaApplication
- SipMediaApplicationAlexaSkillConfiguration
- SipMediaApplicationCall
- SipMediaApplicationEndpoint
- SipMediaApplicationLoggingConfiguration
- SipRule
- SipRuleTargetApplication
- SpeakerSearchDetails
- SpeakerSearchResult
- SpeakerSearchTask

- StreamingConfiguration
- StreamingNotificationTarget
- Tag
- Termination
- TerminationHealth
- UpdatePhoneNumberRequestItem
- VoiceConnector
- VoiceConnectorGroup
- VoiceConnectorItem
- VoiceConnectorSettings
- VoiceProfile
- VoiceProfileDomain
- VoiceProfileDomainSummary
- VoiceProfileSummary
- VoiceToneAnalysisTask

Address

Service: Amazon Chime SDK Voice

A validated address.

Contents

city

The city of an address.

Type: String

Pattern: `.*\S.*`

Required: No

country

The country of an address.

Type: String

Pattern: `.*\S.*`

Required: No

postalCode

The postal code of an address.

Type: String

Pattern: `.*\S.*`

Required: No

postalCodePlus4

The zip + 4 or postal code + 4 of an address.

Type: String

Pattern: `.*\S.*`

Required: No

postDirectional

An address suffix location, such as the `S. Unit A` in `Central Park S. Unit A`.

Type: String

Pattern: `.*\S.*`

Required: No

preDirectional

An address prefix location, such as the `N` in `N. Third St.`

Type: String

Pattern: `.*\S.*`

Required: No

state

The state of an address.

Type: String

Pattern: `.*\S.*`

Required: No

streetName

The address street, such as `8th Avenue`.

Type: String

Pattern: `.*\S.*`

Required: No

streetNumber

The numeric portion of an address.

Type: String

Pattern: `.*\S.*`

Required: No

streetSuffix

The address suffix, such as the `N` in `8th Avenue N`.

Type: String

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CallDetails

Service: Amazon Chime SDK Voice

The details of an Amazon Chime SDK Voice Connector call.

Contents

IsCaller

Identifies a person as the caller or the callee.

Type: Boolean

Required: No

TransactionId

The transaction ID of a Voice Connector call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: No

VoiceConnectorId

The Voice Connector ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CandidateAddress

Service: Amazon Chime SDK Voice

A suggested address.

Contents

city

The city of the candidate address.

Type: String

Pattern: `.*\S.*`

Required: No

country

The country of the candidate address.

Type: String

Pattern: `.*\S.*`

Required: No

postalCode

The postal code of the candidate address.

Type: String

Pattern: `.*\S.*`

Required: No

postalCodePlus4

The zip + 4 or postal code +4 of the candidate address.

Type: String

Pattern: `.*\S.*`

Required: No

state

The state of the candidate address.

Type: String

Pattern: `.*\S.*`

Required: No

streetInfo

The street information of the candidate address.

Type: String

Pattern: `.*\S.*`

Required: No

streetNumber

The numeric portion of the candidate address.

Type: String

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Credential

Service: Amazon Chime SDK Voice

The SIP credentials used to authenticate requests to an Amazon Chime SDK Voice Connector.

Contents

Password

The RFC2617 compliant password associated with the SIP credentials, in US-ASCII format.

Type: String

Required: No

Username

The RFC2617 compliant user name associated with the SIP credentials, in US-ASCII format.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DNISEmergencyCallingConfiguration

Service: Amazon Chime SDK Voice

The Dialed Number Identification Service (DNIS) emergency calling configuration details associated with an Amazon Chime SDK Voice Connector's emergency calling configuration.

Contents

CallingCountry

The country from which emergency calls are allowed, in ISO 3166-1 alpha-2 format.

Type: String

Pattern: `[A-Z]{2}`

Required: Yes

EmergencyPhoneNumber

The DNIS phone number that you route emergency calls to, in E.164 format.

Type: String

Pattern: `^\+?[1-9]\d{1,14}$`

Required: Yes

TestPhoneNumber

The DNIS phone number for routing test emergency calls to, in E.164 format.

Type: String

Pattern: `^\+?[1-9]\d{1,14}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EmergencyCallingConfiguration

Service: Amazon Chime SDK Voice

The emergency calling configuration details associated with an Amazon Chime SDK Voice Connector.

Contents

DNIS

The Dialed Number Identification Service (DNIS) emergency calling configuration details.

Type: Array of DNISEmergencyCallingConfiguration objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExternalSystemsConfiguration

Service: Amazon Chime SDK Voice

Contains information about an external systems configuration for a Voice Connector.

Contents

ContactCenterSystemTypes

The contact center system.

Type: Array of strings

Valid Values: `GENESYS_ENGAGE_ON_PREMISES | AVAYA_AURA_CALL_CENTER_ELITE | AVAYA_AURA_CONTACT_CENTER | CISCO_UNIFIED_CONTACT_CENTER_ENTERPRISE`

Required: No

SessionBorderControllerTypes

The session border controllers.

Type: Array of strings

Valid Values: `RIBBON_SBC | ORACLE_ACME_PACKET_SBC | AVAYA_SBCE | CISCO_UNIFIED_BORDER_ELEMENT | AUDIOCODES_MEDIANT_SBC`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GeoMatchParams

Service: Amazon Chime SDK Voice

The country and area code for a proxy phone number in a proxy phone session.

Contents

AreaCode

The area code.

Type: String

Pattern: `^$|^[0-9]{3,3}$`

Required: Yes

Country

The country.

Type: String

Pattern: `^$|^[A-Z]{2,2}$`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LoggingConfiguration

Service: Amazon Chime SDK Voice

The logging configuration associated with an Amazon Chime SDK Voice Connector. Specifies whether SIP message logs can be sent to Amazon CloudWatch Logs.

Contents

EnableMediaMetricLogs

Enables or disables media metrics logging.

Type: Boolean

Required: No

EnableSIPLogs

Boolean that enables sending SIP message logs to Amazon CloudWatch.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MediaInsightsConfiguration

Service: Amazon Chime SDK Voice

The configuration for a call analytics task.

Contents

ConfigurationArn

The configuration's ARN.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

Disabled

Denotes the configuration as enabled or disabled.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OrderedPhoneNumber

Service: Amazon Chime SDK Voice

A phone number for which an order has been placed.

Contents

E164PhoneNumber

The phone number, in E.164 format.

Type: String

Pattern: `^\+?[1-9]\d{1,14}$`

Required: No

Status

The phone number status.

Type: String

Valid Values: `Processing | Acquired | Failed`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Origination

Service: Amazon Chime SDK Voice

Origination settings enable your SIP hosts to receive inbound calls using your Amazon Chime SDK Voice Connector.

> **Note**
>
> The parameters listed below are not required, but you must use at least one.

Contents

Disabled

When origination settings are disabled, inbound calls are not enabled for your Amazon Chime SDK Voice Connector. This parameter is not required, but you must specify this parameter or `Routes`.

Type: Boolean

Required: No

Routes

The call distribution properties defined for your SIP hosts. Valid range: Minimum value of 1. Maximum value of 20. This parameter is not required, but you must specify this parameter or `Disabled`.

Type: Array of OriginationRoute objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

OriginationRoute

Service: Amazon Chime SDK Voice

Origination routes define call distribution properties for your SIP hosts to receive inbound calls using an Amazon Chime SDK Voice Connector. Limit: Ten origination routes for each Voice Connector.

> **Note**
>
> The parameters listed below are not required, but you must use at least one.

Contents

Host

The FQDN or IP address to contact for origination traffic.

Type: String

Required: No

Port

The designated origination route port. Defaults to 5060.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 65535.

Required: No

Priority

The priority associated with the host, with 1 being the highest priority. Higher priority hosts are attempted first.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

Protocol

The protocol to use for the origination route. Encryption-enabled Amazon Chime SDK Voice Connectors use TCP protocol by default.

Type: String

Valid Values: `TCP` | `UDP`

Required: No

Weight

The weight assigned to an origination route. When hosts have equal priority, calls are distributed between them based on their relative weights.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Participant

Service: Amazon Chime SDK Voice

The phone number and proxy phone number for a participant in an Amazon Chime SDK Voice Connector proxy session.

Contents

PhoneNumber

The participant's phone number.

Type: String

Pattern: `^\+?[1-9]\d{1,14}$`

Required: No

ProxyPhoneNumber

The participant's proxy phone number.

Type: String

Pattern: `^\+?[1-9]\d{1,14}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PhoneNumber

Service: Amazon Chime SDK Voice

A phone number used to call an Amazon Chime SDK Voice Connector.

Contents

Associations

The phone number's associations.

Type: Array of PhoneNumberAssociation objects

Required: No

CallingName

The outbound calling name associated with the phone number.

Type: String

Pattern: `^$|^[a-zA-Z0-9 ]{2,15}$`

Required: No

CallingNameStatus

The outbound calling name status.

Type: String

Valid Values: `Unassigned | UpdateInProgress | UpdateSucceeded | UpdateFailed`

Required: No

Capabilities

The phone number's capabilities.

Type: PhoneNumberCapabilities object

Required: No

Country

The phone number's country. Format: ISO 3166-1 alpha-2.

Type: String

Pattern: `[A-Z]{2}`

Required: No

CreatedTimestamp

The phone number creation timestamp, in ISO 8601 format.

Type: Timestamp

Required: No

DeletionTimestamp

The deleted phone number timestamp, in ISO 8601 format.

Type: Timestamp

Required: No

E164PhoneNumber

The phone number, in E.164 format.

Type: String

Pattern: `^\+?[1-9]\d{1,14}$`

Required: No

Name

The name of the phone number.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `^$|^[a-zA-Z0-9\,\.\_\-]+(\s+[a-zA-Z0-9\,\.\_\-]+)*$`

Required: No

OrderId

The phone number's order ID.

Type: String

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

PhoneNumberId

The phone number's ID.

Type: String

Pattern: `.*\S.*`

Required: No

ProductType

The phone number's product type.

Type: String

Valid Values: `VoiceConnector | SipMediaApplicationDialIn`

Required: No

Status

The phone number's status.

Type: String

Valid Values: `Cancelled | PortinCancelRequested | PortinInProgress | AcquireInProgress | AcquireFailed | Unassigned | Assigned | ReleaseInProgress | DeleteInProgress | ReleaseFailed | DeleteFailed`

Required: No

Type

The phone number's type.

Type: String

Valid Values: `Local | TollFree`

Required: No

UpdatedTimestamp

The updated phone number timestamp, in ISO 8601 format.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PhoneNumberAssociation

Service: Amazon Chime SDK Voice

The phone number associations, such as an Amazon Chime SDK account ID, user ID, Voice Connector ID, or Voice Connector group ID.

Contents

AssociatedTimestamp

The timestamp of the phone number association, in ISO 8601 format.

Type: Timestamp

Required: No

Name

Defines the association with an Amazon Chime SDK account ID, user ID, Voice Connector ID, or Voice Connector group ID.

Type: String

Valid Values: `VoiceConnectorId | VoiceConnectorGroupId | SipRuleId`

Required: No

Value

Contains the ID for the entity specified in Name.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

PhoneNumberCapabilities

Service: Amazon Chime SDK Voice

The phone number capabilities for Amazon Chime SDK phone numbers, such as enabled inbound and outbound calling, and text messaging.

Contents

InboundCall

Allows or denies inbound calling for the specified phone number.

Type: Boolean

Required: No

InboundMMS

Allows or denies inbound MMS messaging for the specified phone number.

Type: Boolean

Required: No

InboundSMS

Allows or denies inbound SMS messaging for the specified phone number.

Type: Boolean

Required: No

OutboundCall

Allows or denies outbound calling for the specified phone number.

Type: Boolean

Required: No

OutboundMMS

Allows or denies inbound MMS messaging for the specified phone number.

Type: Boolean

Required: No

OutboundSMS

Allows or denies outbound SMS messaging for the specified phone number.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PhoneNumberCountry

Service: Amazon Chime SDK Voice

The phone number's country.

Contents

CountryCode

The phone number country code. Format: ISO 3166-1 alpha-2.

Type: String

Pattern: `[A-Z]{2}`

Required: No

SupportedPhoneNumberTypes

The supported phone number types.

Type: Array of strings

Valid Values: `Local | TollFree`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PhoneNumberError

Service: Amazon Chime SDK Voice

If a phone number action fails for one or more of the phone numbers in a request, a list of the failed phone numbers is returned, along with error codes and error messages.

Contents

ErrorCode

The error code.

Type: String

Valid Values: `BadRequest | Conflict | Forbidden | NotFound | PreconditionFailed | ResourceLimitExceeded | ServiceFailure | AccessDenied | ServiceUnavailable | Throttled | Throttling | Unauthorized | Unprocessable | VoiceConnectorGroupAssociationsExist | PhoneNumberAssociationsExist | Gone`

Required: No

ErrorMessage

The error message.

Type: String

Required: No

PhoneNumberId

The phone number ID for which the action failed.

Type: String

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PhoneNumberOrder

Service: Amazon Chime SDK Voice

The details of an Amazon Chime SDK phone number order.

Contents

CreatedTimestamp

The phone number order creation time stamp, in ISO 8601 format.

Type: Timestamp

Required: No

FocDate

The Firm Order Commitment (FOC) date for phone number porting orders. This field is null if a phone number order is not a porting order.

Type: Timestamp

Required: No

OrderedPhoneNumbers

The ordered phone number details, such as the phone number in E.164 format and the phone number status.

Type: Array of OrderedPhoneNumber objects

Required: No

OrderType

The type of phone number being ordered, local or toll-free.

Type: String

Valid Values: `New` | `Porting`

Required: No

PhoneNumberOrderId

The ID of the phone order.

Type: String

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

ProductType

The phone number order product type.

Type: String

Valid Values: `VoiceConnector | SipMediaApplicationDialIn`

Required: No

Status

The status of the phone number order.

Type: String

Valid Values: `Processing | Successful | Failed | Partial | PendingDocuments | Submitted | FOC | ChangeRequested | Exception | CancelRequested | Cancelled`

Required: No

UpdatedTimestamp

The updated phone number order time stamp, in ISO 8601 format.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

Proxy

Service: Amazon Chime SDK Voice

The proxy configuration for an Amazon Chime SDK Voice Connector.

Contents

DefaultSessionExpiryMinutes

The default number of minutes allowed for proxy sessions.

Type: Integer

Required: No

Disabled

When true, stops proxy sessions from being created on the specified Amazon Chime SDK Voice Connector.

Type: Boolean

Required: No

FallBackPhoneNumber

The phone number to route calls to after a proxy session expires.

Type: String

Pattern: `^\+?[1-9]\d{1,14}$`

Required: No

PhoneNumberCountries

The countries for proxy phone numbers to be selected from.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProxySession

Service: Amazon Chime SDK Voice

The proxy session for an Amazon Chime SDK Voice Connector.

Contents

Capabilities

The proxy session capabilities.

Type: Array of strings

Valid Values: `Voice | SMS`

Required: No

CreatedTimestamp

The created time stamp, in ISO 8601 format.

Type: Timestamp

Required: No

EndedTimestamp

The ended time stamp, in ISO 8601 format.

Type: Timestamp

Required: No

ExpiryMinutes

The number of minutes allowed for the proxy session.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

GeoMatchLevel

The preference for matching the country or area code of the proxy phone number with that of the first participant.

Type: String

Valid Values: `Country | AreaCode`

Required: No

GeoMatchParams

The country and area code for the proxy phone number.

Type: GeoMatchParams object

Required: No

Name

The proxy session name.

Type: String

Length Constraints: Maximum length of 128.

Required: No

NumberSelectionBehavior

The preference for proxy phone number reuse, or stickiness, between the same participants across sessions.

Type: String

Valid Values: `PreferSticky | AvoidSticky`

Required: No

Participants

The proxy session participants.

Type: Array of Participant objects

Required: No

ProxySessionId

The proxy session ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

Status

The proxy session status.

Type: String

Valid Values: `Open | InProgress | Closed`

Required: No

UpdatedTimestamp

The updated time stamp, in ISO 8601 format.

Type: Timestamp

Required: No

VoiceConnectorId

The Voice Connector ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

ServerSideEncryptionConfiguration

Service: Amazon Chime SDK Voice

A structure that contains the configuration settings for server-side encryption.

> **Note**
>
> We only support symmetric keys. Do not use asymmetric or HMAC keys, or KMS aliases.

Contents

KmsKeyArn

The ARN of the KMS key used to encrypt the enrollment data in a voice profile domain. Asymmetric customer managed keys are not supported.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SipMediaApplication

Service: Amazon Chime SDK Voice

The details of the SIP media application, including name and endpoints. An AWS account can have multiple SIP media applications.

Contents

AwsRegion

The AWS Region in which the SIP media application is created.

Type: String

Required: No

CreatedTimestamp

The SIP media application creation timestamp, in ISO 8601 format.

Type: Timestamp

Required: No

Endpoints

List of endpoints for a SIP media application. Currently, only one endpoint per SIP media application is permitted.

Type: Array of SipMediaApplicationEndpoint objects

Array Members: Fixed number of 1 item.

Required: No

Name

The SIP media application's name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: No

SipMediaApplicationArn

The ARN of the SIP media application.

Type: String

Pattern: `.*\S.*`

Required: No

SipMediaApplicationId

A SIP media application's ID.

Type: String

Pattern: `.*\S.*`

Required: No

UpdatedTimestamp

The time at which the SIP media application was updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SipMediaApplicationAlexaSkillConfiguration

Service: Amazon Chime SDK Voice

The Alexa Skill configuration of a SIP media application.

> **Important**
>
> Due to changes made by the Amazon Alexa service, this data type is no longer available for use. For more information, refer to the Alexa Smart Properties page.

Contents

AlexaSkillIds

The ID of the Alexa Skill configuration.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Maximum length of 64.

Pattern: `amzn1\.application-oa2-client\.[0-9a-fA-F]{32}`

Required: Yes

AlexaSkillStatus

The status of the Alexa Skill configuration.

Type: String

Valid Values: `ACTIVE | INACTIVE`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SipMediaApplicationCall

Service: Amazon Chime SDK Voice

A `Call` instance for a SIP media application.

Contents

TransactionId

The call's transaction ID.

Type: String

Pattern: `[a-fA-F0-9]{8}(?:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SipMediaApplicationEndpoint

Service: Amazon Chime SDK Voice

The endpoint assigned to a SIP media application.

Contents

LambdaArn

Valid Amazon Resource Name (ARN) of the Lambda function, version, or alias. The function must be created in the same AWS Region as the SIP media application.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `arn:(aws[a-zA-Z-]*)?:lambda:[a-z]{2}((-gov)|(-iso(b?)))?-[a-z]+-\d{1}:\d{12}:function:[a-zA-Z0-9-_]+(:(\$LATEST|[a-zA-Z0-9-_]+))?`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SipMediaApplicationLoggingConfiguration

Service: Amazon Chime SDK Voice

The logging configuration of a SIP media application.

Contents

EnableSipMediaApplicationMessageLogs

Enables message logging for the specified SIP media application.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SipRule

Service: Amazon Chime SDK Voice

The details of a SIP rule, including name, triggers, and target applications. An AWS account can have multiple SIP rules.

Contents

CreatedTimestamp

The time at which the SIP rule was created, in ISO 8601 format.

Type: Timestamp

Required: No

Disabled

Indicates whether the SIP rule is enabled or disabled. You must disable a rule before you can delete it.

Type: Boolean

Required: No

Name

A SIP rule's name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: No

SipRuleId

A SIP rule's ID.

Type: String

Pattern: `.*\S.*`

Required: No

TargetApplications

The target SIP media application and other details, such as priority and AWS Region, to be specified in the SIP rule. Only one SIP rule per AWS Region can be provided.

Type: Array of SipRuleTargetApplication objects

Array Members: Minimum number of 1 item. Maximum number of 25 items.

Required: No

TriggerType

The type of trigger set for a SIP rule, either a phone number or a URI request host name.

Type: String

Valid Values: `ToPhoneNumber | RequestUriHostname`

Required: No

TriggerValue

The value set for a SIP rule's trigger type. Either a phone number or a URI hostname.

Type: String

Pattern: `.*\S.*`

Required: No

UpdatedTimestamp

The time at which the SIP rule was updated, in ISO 8601 format.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SipRuleTargetApplication

Service: Amazon Chime SDK Voice

A target SIP media application and other details, such as priority and AWS Region, to be specified in the SIP rule. Only one SIP rule per AWS Region can be provided.

Contents

AwsRegion

The AWS Region of a rule's target SIP media application.

Type: String

Required: No

Priority

The priority setting of a rule's target SIP media application.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

SipMediaApplicationId

The ID of a rule's target SIP media application.

Type: String

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

SpeakerSearchDetails

Service: Amazon Chime SDK Voice

The details of a speaker search task.

Contents

Results

The result value in the speaker search details.

Type: Array of SpeakerSearchResult objects

Required: No

VoiceprintGenerationStatus

The status of a voice print generation operation, `VoiceprintGenerationSuccess` or `VoiceprintGenerationFailure`..

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SpeakerSearchResult

Service: Amazon Chime SDK Voice

The result of a speaker search analysis.

Contents

ConfidenceScore

The confidence score in the speaker search analysis.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 1.

Required: No

VoiceProfileId

The voice profile ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SpeakerSearchTask

Service: Amazon Chime SDK Voice

A representation of an asynchronous request to perform speaker search analysis on a Voice Connector call.

Contents

CallDetails

The call details of a speaker search task.

Type: CallDetails object

Required: No

CreatedTimestamp

The time at which a speaker search task was created.

Type: Timestamp

Required: No

SpeakerSearchDetails

The details of a speaker search task.

Type: SpeakerSearchDetails object

Required: No

SpeakerSearchTaskId

The speaker search task ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: No

SpeakerSearchTaskStatus

The status of the speaker search task, `IN_QUEUE`, `IN_PROGRESS`, `PARTIAL_SUCCESS`, `SUCCEEDED`, `FAILED`, or `STOPPED`.

Type: String

Pattern: `.*\S.*`

Required: No

StartedTimestamp

The time at which the speaker search task began.

Type: Timestamp

Required: No

StatusMessage

A detailed message about the status of a speaker search.

Type: String

Required: No

UpdatedTimestamp

The time at which a speaker search task was updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StreamingConfiguration

Service: Amazon Chime SDK Voice

The streaming configuration associated with an Amazon Chime SDK Voice Connector. Specifies whether media streaming is enabled for sending to Amazon Kinesis, and shows the retention period for the Amazon Kinesis data, in hours.

Contents

DataRetentionInHours

The amount of time, in hours, to the Kinesis data.

Type: Integer

Valid Range: Minimum value of 0.

Required: Yes

Disabled

When true, streaming to Kinesis is off.

Type: Boolean

Required: Yes

MediaInsightsConfiguration

The call analytics configuration.

Type: MediaInsightsConfiguration object

Required: No

StreamingNotificationTargets

The streaming notification targets.

Type: Array of StreamingNotificationTarget objects

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StreamingNotificationTarget

Service: Amazon Chime SDK Voice

The target recipient for a streaming configuration notification.

Contents

NotificationTarget

The streaming notification target.

Type: String

Valid Values: `EventBridge | SNS | SQS`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Tag

Service: Amazon Chime SDK Voice

Describes a tag applied to a resource.

Contents

Key

The tag's key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Value

The tag's value.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Termination

Service: Amazon Chime SDK Voice

Termination settings enable SIP hosts to make outbound calls using an Amazon Chime SDK Voice Connector.

Contents

CallingRegions

The countries to which calls are allowed, in ISO 3166-1 alpha-2 format. Required.

Type: Array of strings

Required: No

CidrAllowedList

The IP addresses allowed to make calls, in CIDR format.

Type: Array of strings

Required: No

CpsLimit

The limit on calls per second. Max value based on account service quota. Default value of 1.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

DefaultPhoneNumber

The default outbound calling number.

Type: String

Pattern: `^\+?[1-9]\d{1,14}$`

Required: No

Disabled

When termination is disabled, outbound calls cannot be made.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TerminationHealth

Service: Amazon Chime SDK Voice

The termination health details, including the source IP address and timestamp of the last successful `SIP OPTIONS` message from your SIP infrastructure.

Contents

Source

The source IP address.

Type: String

Required: No

Timestamp

The timestamp, in ISO 8601 format.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UpdatePhoneNumberRequestItem

Service: Amazon Chime SDK Voice

The phone number ID, product type, or calling name fields to update, used with the BatchUpdatePhoneNumber and UpdatePhoneNumber actions.

Contents

PhoneNumberId

The phone number ID to update.

Type: String

Pattern: `.*\S.*`

Required: Yes

CallingName

The outbound calling name to update.

Type: String

Pattern: `^$|^[a-zA-Z0-9 ]{2,15}$`

Required: No

Name

The name of the phone number.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `^$|^[a-zA-Z0-9\,\.\_\-]+(\s+[a-zA-Z0-9\,\.\_\-]+)*$`

Required: No

ProductType

The product type to update.

Type: String

Valid Values: `VoiceConnector | SipMediaApplicationDialIn`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VoiceConnector

Service: Amazon Chime SDK Voice

The Amazon Chime SDK Voice Connector configuration, including outbound host name and encryption settings.

Contents

AwsRegion

The AWS Region in which the Voice Connector is created. Default: us-east-1.

Type: String

Valid Values: `us-east-1 | us-west-2 | ca-central-1 | eu-central-1 | eu-west-1 | eu-west-2 | ap-northeast-2 | ap-northeast-1 | ap-southeast-1 | ap-southeast-2`

Required: No

CreatedTimestamp

The Voice Connector's creation timestamp, in ISO 8601 format.

Type: Timestamp

Required: No

IntegrationType

The connectors for use with Amazon Connect.

Type: String

Valid Values: `CONNECT_CALL_TRANSFER_CONNECTOR | CONNECT_ANALYTICS_CONNECTOR`

Required: No

Name

The Voice Connector's name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: No

OutboundHostName

The outbound host name for the Voice Connector.

Type: String

Required: No

RequireEncryption

Enables or disables encryption for the Voice Connector.

Type: Boolean

Required: No

UpdatedTimestamp

The Voice Connector's updated timestamp, in ISO 8601 format.

Type: Timestamp

Required: No

VoiceConnectorArn

The ARN of the Voice Connector.

Type: String

Pattern: `.*\S.*`

Required: No

VoiceConnectorId

The Voice Connector's ID.

Type: String

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VoiceConnectorGroup

Service: Amazon Chime SDK Voice

The Amazon Chime SDK Voice Connector group configuration, including associated Voice Connectors. You can include Voice Connectors from different AWS Regions in a group. This creates a fault tolerant mechanism for fallback in case of availability events.

Contents

CreatedTimestamp

The Voice Connector group's creation time stamp, in ISO 8601 format.

Type: Timestamp

Required: No

Name

The name of a Voice Connector group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: No

UpdatedTimestamp

The Voice Connector group's creation time stamp, in ISO 8601 format.

Type: Timestamp

Required: No

VoiceConnectorGroupArn

The ARN of the Voice Connector group.

Type: String

Pattern: `.*\S.*`

Required: No

VoiceConnectorGroupId

The ID of a Voice Connector group.

Type: String

Pattern: `.*\S.*`

Required: No

VoiceConnectorItems

The Voice Connectors to which you route inbound calls.

Type: Array of VoiceConnectorItem objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VoiceConnectorItem

Service: Amazon Chime SDK Voice

For Amazon Chime SDK Voice Connector groups, the Amazon Chime SDK Voice Connectors to which you route inbound calls. Includes priority configuration settings. Limit: 3 VoiceConnectorItems per Voice Connector group.

Contents

Priority

The priority setting of a Voice Connector item. Calls are routed to hosts in priority order, with 1 as the highest priority. When hosts have equal priority, the system distributes calls among them based on their relative weight.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 99.

Required: Yes

VoiceConnectorId

The Voice Connector ID.

Type: String

Pattern: `.*\S.*`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VoiceConnectorSettings

Service: Amazon Chime SDK Voice

The Amazon Chime SDK Voice Connector settings. Includes any Amazon S3 buckets designated for storing call detail records.

Contents

CdrBucket

The S3 bucket that stores the Voice Connector's call detail records.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VoiceProfile

Service: Amazon Chime SDK Voice

The combination of a voice print and caller ID.

Contents

CreatedTimestamp

The time at which the voice profile was created and enrolled.

Type: Timestamp

Required: No

ExpirationTimestamp

The time at which a voice profile expires unless you re-enroll the caller via the `UpdateVoiceProfile` API.

Type: Timestamp

Required: No

UpdatedTimestamp

The time at which the voice profile was last updated.

Type: Timestamp

Required: No

VoiceProfileArn

The ARN of the voice profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

VoiceProfileDomainId

The ID of the domain that contains the voice profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: No

VoiceProfileId

The ID of the voice profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VoiceProfileDomain

Service: Amazon Chime SDK Voice

A collection of voice profiles.

Contents

CreatedTimestamp

The time at which the voice profile domain was created.

Type: Timestamp

Required: No

Description

The description of the voice profile domain.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

Name

The name of the voice profile domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: No

ServerSideEncryptionConfiguration

A structure that contains the configuration settings for server-side encryption.

Type: ServerSideEncryptionConfiguration object

Required: No

UpdatedTimestamp

The time at which the voice profile was last updated.

Type: Timestamp

Required: No

VoiceProfileDomainArn

The voice profile domain's Amazon Resource Number (ARN).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

VoiceProfileDomainId

The ID of the voice profile domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VoiceProfileDomainSummary

Service: Amazon Chime SDK Voice

A high-level overview of a voice profile domain.

Contents

CreatedTimestamp

The time at which the voice profile domain summary was created.

Type: Timestamp

Required: No

Description

Describes the voice profile domain summary.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

Name

The name of the voice profile domain summary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-zA-Z0-9 _.-]+`

Required: No

UpdatedTimestamp

The time at which the voice profile domain summary was last updated.

Type: Timestamp

Required: No

VoiceProfileDomainArn

The ARN of a voice profile in a voice profile domain summary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

VoiceProfileDomainId

The ID of the voice profile domain summary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VoiceProfileSummary

Service: Amazon Chime SDK Voice

A high-level summary of a voice profile.

Contents

CreatedTimestamp

The time at which a voice profile summary was created.

Type: Timestamp

Required: No

ExpirationTimestamp

Extends the life of the voice profile. You can use `UpdateVoiceProfile` to refresh an existing voice profile's voice print and extend the life of the summary.

Type: Timestamp

Required: No

UpdatedTimestamp

The time at which a voice profile summary was last updated.

Type: Timestamp

Required: No

VoiceProfileArn

The ARN of the voice profile in a voice profile summary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn[\/\:\-\_\.a-zA-Z0-9]+$`

Required: No

VoiceProfileDomainId

The ID of the voice profile domain in a voice profile summary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: No

VoiceProfileId

The ID of the voice profile in a voice profile summary.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VoiceToneAnalysisTask

Service: Amazon Chime SDK Voice

A representation of an asynchronous request to perform voice tone analysis on a Voice Connector call.

Contents

CallDetails

The call details of a voice tone analysis task.

Type: CallDetails object

Required: No

CreatedTimestamp

The time at which a voice tone analysis task was created.

Type: Timestamp

Required: No

StartedTimestamp

The time at which a voice tone analysis task started.

Type: Timestamp

Required: No

StatusMessage

The status of a voice tone analysis task.

Type: String

Required: No

UpdatedTimestamp

The time at which a voice tone analysis task was updated.

Type: Timestamp

Required: No

VoiceToneAnalysisTaskId

The ID of the voice tone analysis task.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.*\S.*`

Required: No

VoiceToneAnalysisTaskStatus

The status of a voice tone analysis task, `IN_QUEUE`, `IN_PROGRESS`, `PARTIAL_SUCCESS`, `SUCCEEDED`, `FAILED`, or `STOPPED`.

Type: String

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

InvalidAction

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 400

InvalidClientTokenId

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 400

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

CallsPerSecondLimit

The request was denied due to too many calls initiated.

HTTP Status Code: 403

ConcurrentCallLimit

The request was denied due to too many concurrent calls initiated.

HTTP Status Code: 403

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400