
Amazon Pinpoint SMS and Voice API Reference



Amazon Pinpoint SMS and Voice: API Reference

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Welcome

This is the REST API reference for the Amazon Pinpoint SMS and Voice API. It contains examples of REST resources and their operations.

Regional Availability

The Amazon Pinpoint SMS and Voice API is available in several AWS Regions and it provides an endpoint for each of these Regions. For a list of all the Regions and endpoints where the API is currently available, see [AWS Regions and Endpoints](#) in the *Amazon Web Services General Reference*.

In each Region, AWS maintains multiple Availability Zones. These Availability Zones are physically isolated from each other, but are united by private, low-latency, high-throughput, and highly redundant network connections. These Availability Zones enable us to provide very high levels of availability and redundancy, while also minimizing latency. To learn more about the number of Availability Zones that are available in each Region, see [AWS Global Infrastructure](#).

Resources

The Amazon Pinpoint SMS and Voice REST API includes the following resources.

Topics

- [Configuration Sets \(p. 2\)](#)
- [Configuration Set Name \(p. 7\)](#)
- [Event Destination \(p. 11\)](#)
- [Event Destination Name \(p. 20\)](#)
- [Voice Message \(p. 28\)](#)

Configuration Sets

A *configuration set* is a set of rules that you apply to the voice messages that you send. In a configuration set, you can specify a destination for specific types of events related to voice messages. For example, when a message is successfully delivered, you can log that event to an Amazon CloudWatch destination, or send notifications to endpoints that are subscribed to an Amazon SNS topic.

When you send a voice message, you have to specify one (and only one) configuration set.

URI

`/v1/sms-voice/configuration-sets`

HTTP Methods

GET

Operation ID: ListConfigurationSets

Return a list of configuration sets. This operation only returns the configuration sets that are associated with your account in the current AWS Region.

Query Parameters

Name	Type	Required	Description
PageSize	String	False	Used to specify the number of items that should be returned in the response.
NextToken	String	False	A token returned from a previous call to the API that indicates the position in the list of results.

Responses

Status Code	Response Model	Description
200	ListConfigurationSetsResponse	An object that contains information about the configuration sets for your account in the current region.
400	BadRequestException (p. 4)	The request contained syntax that the API couldn't interpret. Modify the request and try again.
429	TooManyRequestsException (p. 4)	You've issued too many requests to the resource. Wait a few minutes, and then try again.
500	InternalServerErrorException	The API encountered an unexpected error and couldn't complete the request. You might be able to successfully issue the request again in the future.

POST

Operation ID: CreateConfigurationSet

Create a new configuration set. After you create the configuration set, you can add one or more event destinations to it.

Responses

Status Code	Response Model	Description
200	CreateConfigurationSetResponse	An empty object that indicates that the configuration set was successfully created.
400	BadRequestException (p. 4)	The request contained syntax that the API couldn't interpret. Modify the request and try again.
409	AlreadyExistsException (p. 4)	The resource you tried to create already exists.
412	LimitExceededException (p. 4)	You've tried to create a number of resources that exceeds the maximum number of resources for your account. For more information, see Service Limits .
429	TooManyRequestsException (p. 4)	You've issued too many requests to the resource. Wait a few minutes, and then try again.
500	InternalServerErrorException	The API encountered an unexpected error and couldn't

Status Code	Response Model	Description
		complete the request. You might be able to successfully issue the request again in the future.

OPTIONS

Responses

Status Code	Response Model	Description
200	None	Indicates that the API successfully received the request.

Schemas

Request Bodies

Example POST

```
{
  "ConfigurationSetName": "string"
}
```

Response Bodies

Example ListConfigurationSetsResponse

```
{
  "NextToken": "string",
  "ConfigurationSets": [
    "string"
  ]
}
```

Example CreateConfigurationSetResponse

```
{
}
```

Example BadRequestException

```
{
  "Message": "string"
}
```

Example AlreadyExistsException

```
{
  "Message": "string"
}
```

```
}
```

Example LimitExceededException

```
{  
  "Message": "string"  
}
```

Example TooManyRequestsException

```
{  
  "Message": "string"  
}
```

Example InternalServiceErrorException

```
{  
  "Message": "string"  
}
```

Properties

AlreadyExistsException

The resource that you specified in your request already exists.

Message

A description of the error that the API encountered.

Type: string
Required: False

BadRequestException

The input that you provided to the API is invalid.

Message

A description of the error that the API encountered.

Type: string
Required: False

CreateConfigurationSetRequest

A request to create a new configuration set.

ConfigurationSetName

The name that you want to give the configuration set.

Type: string
Required: True

CreateConfigurationSetResponse

An empty object that indicates that the configuration set was successfully created.

Note

The following table was intentionally left blank.

InternalServerErrorException

This error occurs when an there is an unexpected issue with the Amazon Pinpoint SMS and Voice API service.

Message

A description of the error that the API encountered.

Type: string

Required: False

LimitExceededException

There are too many instances of the specified resource type.

Message

A description of the error that the API encountered.

Type: string

Required: False

ListConfigurationSetsResponse

An object that contains information about configuration sets.

NextToken

A token returned from a previous call to ListConfigurationSets to indicate the position in the list of configuration sets.

Type: string

Required: False

ConfigurationSets

An object that contains a list of configuration sets for your account in the current region.

Type: Array of type string

Required: False

TooManyRequestsException

This error occurs when an there is an unexpected issue with the Amazon Pinpoint SMS and Voice API service.

Message

A description of the error that the API encountered.

Type: string

Required: False

See Also

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

ListConfigurationSets

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

CreateConfigurationSet

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

Configuration Set Name

A *configuration set* is a set of rules that you apply to the voice messages that you send. In a configuration set, you can specify a destination for specific types of events related to voice messages. For example, when a message is successfully delivered, you can log that event to an Amazon CloudWatch destination, or send notifications to endpoints that are subscribed to an Amazon SNS topic.

When you send a voice message, you have to specify one (and only one) configuration set.

URI

/v1/sms-voice/configuration-sets/*ConfigurationSetName*

HTTP Methods

DELETE

Operation ID: DeleteConfigurationSet

Deletes an existing configuration set.

Path Parameters

Name	Type	Required	Description
<i>ConfigurationSetName</i>	String	True	The name of the configuration set that you want to delete.

Responses

Status Code	Response Model	Description
200	DeleteConfigurationSetResponse	An empty object that indicates that the configuration set was deleted successfully.
400	BadRequestException (p. 9)	The request contained syntax that the API couldn't interpret. Modify the request and try again.
404	NotFoundException (p. 9)	The requested resource wasn't found.
429	TooManyRequestsException (p. 9)	You've issued too many requests to the resource. Wait a few minutes, and then try again.
500	InternalServerErrorException (p. 9)	The API encountered an unexpected error and couldn't complete the request. You might be able to successfully issue the request again in the future.

OPTIONS

Responses

Status Code	Response Model	Description
200	None	200 response

Schemas

Response Bodies

Example DeleteConfigurationSetResponse

```
{  
}
```

Example BadRequestException

```
{  
  "Message": "string"  
}
```

Example NotFoundException

```
{  
  "Message": "string"  
}
```

Example TooManyRequestsException

```
{  
  "Message": "string"  
}
```

Example InternalServiceErrorException

```
{  
  "Message": "string"  
}
```

Properties

BadRequestException

The input that you provided to the API is invalid.

Message

A description of the error that the API encountered.

Type: string

Required: False

DeleteConfigurationSetResponse

An empty object that indicates that the configuration set was deleted successfully.

Note

The following table was intentionally left blank.

InternalServerErrorException

This error occurs when an there is an unexpected issue with the Amazon Pinpoint SMS and Voice API service.

Message

A description of the error that the API encountered.

Type: string

Required: False

NotFoundException

The resource you attempted to access doesn't exist.

Message

A description of the error that the API encountered.

Type: string

Required: False

TooManyRequestsException

This error occurs when an there is an unexpected issue with the Amazon Pinpoint SMS and Voice API service.

Message

A description of the error that the API encountered.

Type: string

Required: False

See Also

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

DeleteConfigurationSet

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V2](#)

Event Destination

An *event destination* is a location where you send response information about the voice messages that you send. For example, when a voice message is delivered successfully, you can send information about that event to an Amazon CloudWatch destination.

Each configuration set can contain between 0 and 10 event destinations. Each event destination can contain a reference to one (and only one) destination, such as an CloudWatch Logs or Amazon Kinesis Data Firehose destination.

URI

/v1/sms-voice/configuration-sets/*ConfigurationSetName*/event-destinations

HTTP Methods

GET

Operation ID: GetConfigurationSetEventDestinations

Obtain information about an event destination, including the types of events it reports, the Amazon Resource Name (ARN) of the destination, and the name of the event destination.

Path Parameters

Name	Type	Required	Description
<i>ConfigurationSetName</i>	String	True	The name of the configuration set that contains the event destination that you want to obtain information about.

Responses

Status Code	Response Model	Description
200	GetConfigurationSetEventDestinationsResponse (p. 13)	An object that contains information about an event destination.
400	BadRequestException (p. 14)	The request contained syntax that the API couldn't interpret. Modify the request and try again.
404	NotFoundException (p. 14)	The requested resource wasn't found.
429	TooManyRequestsException (p. 14)	You've made too many GET requests in one second. Requests are limited to 1 per second.

Status Code	Response Model	Description
500	InternalServerErrorException	The API encountered an unexpected error and couldn't complete the request. You might be able to successfully issue the request again in the future.

POST

Operation ID: CreateConfigurationSetEventDestination

Create a new event destination in a configuration set.

Path Parameters

Name	Type	Required	Description
<i>ConfigurationSetName</i>	String	True	The name of the configuration set that you want to create the event destination in.

Responses

Status Code	Response Model	Description
200	CreateConfigurationSetEventDestinationResponse	An empty object that indicates that the event destination was created successfully. (p. 14)
400	BadRequestException (p. 14)	The request contained syntax that the API couldn't interpret. Modify the request and try again.
404	NotFoundException (p. 14)	The requested resource wasn't found.
409	AlreadyExistsException (p. 14)	The resource you tried to create already exists.
412	LimitExceededException (p. 14)	You've tried to create a number of resources that exceeds the maximum number of resources for your account. For more information, see Service Limits .
429	TooManyRequestsException (p. 14)	You've issued too many requests to the resource. Wait a few minutes, and then try again.
500	InternalServerErrorException	The API encountered an unexpected error and couldn't complete the request. You might be able to successfully issue the request again in the future.

OPTIONS

Responses

Status Code	Response Model	Description
200	None	200 response

Schemas

Request Bodies

Example POST

```
{
  "EventDestinationName": "string",
  "EventDestination": {
    "SnsDestination": {
      "TopicArn": "string"
    },
    "Enabled": boolean,
    "MatchingEventTypes": [
      enum
    ],
    "CloudWatchLogsDestination": {
      "IamRoleArn": "string",
      "LogGroupArn": "string"
    },
    "KinesisFirehoseDestination": {
      "DeliveryStreamArn": "string",
      "IamRoleArn": "string"
    }
  }
}
```

Response Bodies

Example GetConfigurationSetEventDestinationsResponse

```
{
  "EventDestinations": [
    {
      "SnsDestination": {
        "TopicArn": "string"
      },
      "Enabled": boolean,
      "MatchingEventTypes": [
        enum
      ],
      "CloudWatchLogsDestination": {
        "IamRoleArn": "string",
        "LogGroupArn": "string"
      },
      "KinesisFirehoseDestination": {
        "DeliveryStreamArn": "string",
        "IamRoleArn": "string"
      }
    }
  ],
}
```

```
    "Name": "string"  
  }  
]  
}
```

Example CreateConfigurationSetEventDestinationResponse

```
{  
}
```

Example BadRequestException

```
{  
  "Message": "string"  
}
```

Example NotFoundException

```
{  
  "Message": "string"  
}
```

Example AlreadyExistsException

```
{  
  "Message": "string"  
}
```

Example LimitExceededException

```
{  
  "Message": "string"  
}
```

Example TooManyRequestsException

```
{  
  "Message": "string"  
}
```

Example InternalServiceErrorException

```
{  
  "Message": "string"  
}
```

Properties

AlreadyExistsException

The resource that you specified in your request already exists.

Message

A description of the error that the API encountered.

Type: string
Required: False

BadRequestException

The input that you provided to the API is invalid.

Message

A description of the error that the API encountered.

Type: string
Required: False

CloudWatchLogsDestination

An object that contains information about an event destination that sends data to Amazon CloudWatch Logs.

IamRoleArn

The Amazon Resource Name (ARN) of an Amazon Identity and Access Management (IAM) role that is able to write event data to an Amazon CloudWatch destination.

Type: string
Required: True

LogGroupArn

The name of the Amazon CloudWatch Log Group that you want to record events in.

Type: string
Required: True

CreateConfigurationSetEventDestinationRequest

An object that is used to define an event destination.

EventDestinationName

A name that identifies the event destination.

Type: string
Required: True

EventDestination

An `EventDestinationDefinition` object that includes information about the event destination itself.

Type: [EventDestinationDefinition](#) (p. 17)
Required: True

CreateConfigurationSetEventDestinationResponse

An empty object that indicates that the event destination was created successfully.

Note

The following table was intentionally left blank.

EventDestination

An object that defines an event destination.

SnsDestination

An object that contains information about an event destination that sends data to Amazon SNS.

Type: [SnsDestination](#) (p. 19)

Required: False

Enabled

Indicates whether or not the event destination is enabled. If the event destination is enabled, then Amazon Pinpoint sends response data to the specified event destination.

Type: boolean

Required: False

MatchingEventTypes

The types of events that you want to send to the event destination. Possible values:

- `INITIATED_CALL` The service has started trying to deliver the message to the recipient.
- `RINGING` The service has initiated the phone call, and the recipient's phone is ringing.
- `ANSWERED` The recipient answered the phone call.
- `COMPLETED_CALL` The message was successfully delivered to the recipient.
- `BUSY` Amazon Pinpoint attempted to deliver the voice message, but received a busy signal.
- `FAILED` The message wasn't delivered.
- `NO_ANSWER` Amazon Pinpoint attempted to deliver the message, but the recipient didn't answer.

Type: Array of type [EventType](#) (p. 18)

Required: False

CloudWatchLogsDestination

An object that contains information about an event destination that sends data to Amazon CloudWatch Logs.

Type: [CloudWatchLogsDestination](#) (p. 15)

Required: False

KinesisFirehoseDestination

An object that contains information about an event destination that sends data to Amazon Kinesis Data Firehose.

Type: [KinesisFirehoseDestination \(p. 18\)](#)

Required: False

Name

A name that identifies the event destination configuration.

Type: string

Required: False

EventDestinationDefinition

An object that defines a single event destination.

SnsDestination

An object that contains information about an event destination that sends data to Amazon SNS.

Type: [SnsDestination \(p. 19\)](#)

Required: False

Enabled

Indicates whether or not the event destination is enabled. If the event destination is enabled, then Amazon Pinpoint sends response data to the specified event destination.

Type: boolean

Required: False

MatchingEventTypes

The types of events that you want to send to the event destination. Possible values:

- `INITIATED_CALL` The service has started trying to deliver the message to the recipient.
- `RINGING` The service has initiated the phone call, and the recipient's phone is ringing.
- `ANSWERED` The recipient answered the phone call.
- `COMPLETED_CALL` The message was successfully delivered to the recipient.
- `BUSY` Amazon Pinpoint attempted to deliver the voice message, but received a busy signal.
- `FAILED` The message wasn't delivered.
- `NO_ANSWER` Amazon Pinpoint attempted to deliver the message, but the recipient didn't answer.

Type: Array of type [EventType \(p. 18\)](#)

Required: True

CloudWatchLogsDestination

An object that contains information about an event destination that sends data to Amazon CloudWatch Logs.

Type: [CloudWatchLogsDestination \(p. 15\)](#)

Required: False

KinesisFirehoseDestination

An object that contains information about an event destination that sends data to Amazon Kinesis Data Firehose.

Type: [KinesisFirehoseDestination](#) (p. 18)

Required: False

EventType

The types of events that are sent to the event destination. Possible values are:

INITIATED_CALL
RINGING
ANSWERED
COMPLETED_CALL
BUSY
FAILED
NO_ANSWER

GetConfigurationSetEventDestinationsResponse

An object that contains information about an event destination.

EventDestinations

An array of `EventDestination` objects. Each `EventDestination` object includes ARNs and other information that define an event destination.

Type: Array of type [EventDestination](#) (p. 16)

Required: False

InternalServiceErrorException

This error occurs when there is an unexpected issue with the Amazon Pinpoint SMS and Voice API service.

Message

A description of the error that the API encountered.

Type: string

Required: False

KinesisFirehoseDestination

An object that contains information about an event destination that sends data to Amazon Kinesis Data Firehose.

DeliveryStreamArn

The Amazon Resource Name (ARN) of the Amazon Kinesis Data Firehose destination that you want to use in the event destination.

Type: string
Required: True

IamRoleArn

The Amazon Resource Name (ARN) of an IAM role that can write data to an Amazon Kinesis Data Firehose stream.

Type: string
Required: True

LimitExceededException

There are too many instances of the specified resource type.

Message

A description of the error that the API encountered.

Type: string
Required: False

NotFoundException

The resource you attempted to access doesn't exist.

Message

A description of the error that the API encountered.

Type: string
Required: False

SnsDestination

An object that contains information about an event destination that sends data to Amazon SNS.

TopicArn

The Amazon Resource Name (ARN) of the Amazon SNS topic that you want to publish events to.

Type: string
Required: True

TooManyRequestsException

This error occurs when there is an unexpected issue with the Amazon Pinpoint SMS and Voice API service.

Message

A description of the error that the API encountered.

Type: string

Required: False

See Also

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

GetConfigurationSetEventDestinations

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

CreateConfigurationSetEventDestination

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

Event Destination Name

A *configuration set* is a set of rules that you apply to the voice messages that you send. In a configuration set, you can specify a destination for specific types of events related to voice messages. For example, when a message is successfully delivered, you can log that event to an Amazon CloudWatch destination, or send notifications to endpoints that are subscribed to an Amazon SNS topic.

Each configuration set can contain between 0 and 10 event destinations. Each event destination can contain a reference to one (and only one) destination, such as an CloudWatch Logs or Amazon Kinesis Data Firehose destination.

URI

`/v1/sms-voice/configuration-sets/ConfigurationSetName/event-destinations/EventDestinationName`

HTTP Methods

PUT

Operation ID: UpdateConfigurationSetEventDestination

Updates an event destination in a configuration set. An *event destination* is a location that you publish information about your voice calls to. For example, you can log an event to an Amazon CloudWatch destination when a call fails.

Path Parameters

Name	Type	Required	Description
<i>EventDestinationName</i>	String	True	The name of the event destination that you want to update.
<i>ConfigurationSetName</i>	String	True	The name of the configuration set that contains the event destination that you want to update.

Responses

Status Code	Response Model	Description
200	UpdateConfigurationSetEventDestinationResponse (p. 23)	An empty object that indicates that the event destination was updated successfully.
400	BadRequestException (p. 23)	The request contained syntax that the API couldn't interpret. Modify the request and try again.
404	NotFoundException (p. 23)	The requested resource wasn't found.
429	TooManyRequestsException (p. 23)	You've made too many PUT requests in one second. Requests are limited to 1 per second.
500	InternalServerErrorException (p. 23)	The API encountered an unexpected error and couldn't complete the request. You might be able to successfully issue the request again in the future.

DELETE

Operation ID: DeleteConfigurationSetEventDestination

Deletes an event destination in a configuration set.

Path Parameters

Name	Type	Required	Description
<code>EventDestinationName</code>	String	True	The name of the event destination that you want to delete.
<code>ConfigurationSetName</code>	String	True	The name of the configuration set that you want to delete.

Responses

Status Code	Response Model	Description
200	<code>DeleteConfigurationSetEvent</code>	An empty object that indicates that the event destination was deleted successfully. (p. 23)
400	<code>BadRequestException</code> (p. 23)	The request contained syntax that the API couldn't interpret. Modify the request and try again.
404	<code>NotFoundException</code> (p. 23)	The requested resource wasn't found.
429	<code>TooManyRequestsException</code> (p. 23)	You've made too many DELETE requests in one second. Requests are limited to 1 per second.
500	<code>InternalServerErrorException</code> (p. 23)	The API encountered an unexpected error and couldn't complete the request. You might be able to successfully issue the request again in the future.

OPTIONS

Responses

Status Code	Response Model	Description
200	None	200 response

Schemas

Request Bodies

Example PUT

```
{
  "EventDestination": {
```

```
"SnsDestination": {
  "TopicArn": "string"
},
"Enabled": boolean,
"MatchingEventTypes": [
  enum
],
"CloudWatchLogsDestination": {
  "IamRoleArn": "string",
  "LogGroupArn": "string"
},
"KinesisFirehoseDestination": {
  "DeliveryStreamArn": "string",
  "IamRoleArn": "string"
}
}
```

Response Bodies

Example UpdateConfigurationSetEventDestinationResponse

```
{
}
```

Example DeleteConfigurationSetEventDestinationResponse

```
{
}
```

Example BadRequestException

```
{
  "Message": "string"
}
```

Example NotFoundException

```
{
  "Message": "string"
}
```

Example TooManyRequestsException

```
{
  "Message": "string"
}
```

Example InternalServiceErrorException

```
{
  "Message": "string"
}
```

Properties

BadRequestException

The input that you provided to the API is invalid.

Message

A description of the error that the API encountered.

Type: string

Required: False

CloudWatchLogsDestination

An object that contains information about an event destination that sends data to Amazon CloudWatch Logs.

IamRoleArn

The Amazon Resource Name (ARN) of an Amazon Identity and Access Management (IAM) role that is able to write event data to an Amazon CloudWatch destination.

Type: string

Required: True

LogGroupArn

The name of the Amazon CloudWatch Log Group that you want to record events in.

Type: string

Required: True

DeleteConfigurationSetEventDestinationResponse

An empty object that indicates that the event destination was deleted successfully.

EventDestinationDefinition

An object that defines a single event destination.

SnsDestination

An object that contains information about an event destination that sends data to Amazon SNS.

Type: [SnsDestination](#) (p. 26)

Required: False

Enabled

Indicates whether or not the event destination is enabled. If the event destination is enabled, then Amazon Pinpoint sends response data to the specified event destination.

Type: boolean
Required: False

MatchingEventTypes

The types of events that you want to send to the event destination. Possible values:

- `INITIATED_CALL` The service has started trying to deliver the message to the recipient.
- `RINGING` The service has initiated the phone call, and the recipient's phone is ringing.
- `ANSWERED` The recipient answered the phone call.
- `COMPLETED_CALL` The message was successfully delivered to the recipient.
- `BUSY` Amazon Pinpoint attempted to deliver the voice message, but received a busy signal.
- `FAILED` The message wasn't delivered.
- `NO_ANSWER` Amazon Pinpoint attempted to deliver the message, but the recipient didn't answer.

Type: Array of type [EventType](#) (p. 25)
Required: True

CloudWatchLogsDestination

An object that contains information about an event destination that sends data to Amazon CloudWatch Logs.

Type: [CloudWatchLogsDestination](#) (p. 24)
Required: False

KinesisFirehoseDestination

An object that contains information about an event destination that sends data to Amazon Kinesis Data Firehose.

Type: [KinesisFirehoseDestination](#) (p. 26)
Required: False

EventType

The types of events that are sent to the event destination. Possible values are:

`INITIATED_CALL`
`RINGING`
`ANSWERED`
`COMPLETED_CALL`
`BUSY`
`FAILED`
`NO_ANSWER`

InternalServiceErrorException

This error occurs when there is an unexpected issue with the Amazon Pinpoint SMS and Voice API service.

Message

A description of the error that the API encountered.

Type: string
Required: False

KinesisFirehoseDestination

An object that contains information about an event destination that sends data to Amazon Kinesis Data Firehose.

DeliveryStreamArn

The Amazon Resource Name (ARN) of the Amazon Kinesis Data Firehose destination that you want to use in the event destination.

Type: string
Required: True

IamRoleArn

The Amazon Resource Name (ARN) of an IAM role that can write data to an Amazon Kinesis Data Firehose stream.

Type: string
Required: True

NotFoundException

The resource you attempted to access doesn't exist.

Message

A description of the error that the API encountered.

Type: string
Required: False

SnsDestination

An object that contains information about an event destination that sends data to Amazon SNS.

TopicArn

The Amazon Resource Name (ARN) of the Amazon SNS topic that you want to publish events to.

Type: string
Required: True

TooManyRequestsException

This error occurs when an there is an unexpected issue with the Amazon Pinpoint SMS and Voice API service.

Message

A description of the error that the API encountered.

Type: string

Required: False

UpdateConfigurationSetEventDestinationRequest

An object that defines a request to update an existing event destination.

EventDestination

An object that defines a single event destination.

Type: [EventDestinationDefinition](#) (p. 24)

Required: True

UpdateConfigurationSetEventDestinationResponse

An empty object that indicates that the event destination was updated successfully.

Note

The following table was intentionally left blank.

See Also

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

UpdateConfigurationSetEventDestination

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

DeleteConfigurationSetEventDestination

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Go - Pilot](#)
- [AWS SDK for Java](#)

- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

Voice Message

The Amazon Pinpoint SMS and Voice API lets you create voice messages from a text script, and then deliver those messages to your customers over the phone.

URI

/v1/sms-voice/voice/message

HTTP Methods

POST

Operation ID: SendVoiceMessage

Create a new voice message and send it to a recipient's phone number.

Responses

Status Code	Response Model	Description
200	SendVoiceMessageResponse (p. 29)	An object that contains the Message ID of a Voice message that was sent successfully.
400	BadRequestException (p. 29)	The request contained syntax that the API couldn't interpret. Modify the request and try again.
429	TooManyRequestsException (p. 29)	You've issued too many requests to the resource. Wait a few minutes, and then try again.
500	InternalServerErrorException (p. 29)	The API encountered an unexpected error and couldn't complete the request. You might be able to successfully issue the request again in the future.

OPTIONS

Responses

Status Code	Response Model	Description
200	None	200 response

Schemas

Request Bodies

Example POST

```
{
  "Content": {
    "CallInstructionsMessage": {
      "Text": "string"
    },
    "PlainTextMessage": {
      "LanguageCode": "string",
      "Text": "string",
      "VoiceId": "string"
    },
    "SSMLMessage": {
      "LanguageCode": "string",
      "Text": "string",
      "VoiceId": "string"
    }
  },
  "OriginationPhoneNumber": "string",
  "ConfigurationSetName": "string",
  "DestinationPhoneNumber": "string",
  "CallerId": "string"
}
```

Response Bodies

Example SendVoiceMessageResponse

```
{
  "MessageId": "string"
}
```

Example BadRequestException

```
{
  "Message": "string"
}
```

Example TooManyRequestsException

```
{
  "Message": "string"
}
```

Example InternalServiceErrorException

```
{
  "Message": "string"
}
```

Properties

BadRequestException

The input that you provided to the API is invalid.

Message

A description of the error that the API encountered.

Type: string

Required: False

CallInstructionsMessageType

An object that defines a message that contains text formatted using Amazon Pinpoint Voice Instructions markup.

Note

The ability to send messages using Amazon Pinpoint Call Instructions is currently a pre-production feature. It isn't currently available to all customers.

Text

The language to use when delivering the message. For a complete list of supported languages, see the [Amazon Polly Developer Guide](#).

Type: string

Required: True

InternalServerErrorException

This error occurs when an there is an unexpected issue with the Amazon Pinpoint SMS and Voice API service.

Message

A description of the error that the API encountered.

Type: string

Required: False

PlainTextMessageType

An object that defines a message that contains unformatted text.

LanguageCode

The language to use when delivering the message. For a complete list of supported languages, see the [Amazon Polly Developer Guide](#).

Type: string

Required: False

Text

The plain (not SSML-formatted) text to deliver to the recipient.

Type: string

Required: True

Voiceld

The name of the voice that you want to use to deliver the message. For a complete list of supported voices, see the [Amazon Polly Developer Guide](#).

Type: string

Required: False

SSMLMessageType

An object that defines a message that contains SSML-formatted text.

LanguageCode

The language to use when delivering the message. For a complete list of supported languages, see the [Amazon Polly Developer Guide](#).

Type: string

Required: False

Text

The SSML-formatted text to deliver to the recipient.

Type: string

Required: True

Voiceld

The name of the voice that you want to use to deliver the message. For a complete list of supported voices, see the [Amazon Polly Developer Guide](#).

Type: string

Required: False

SendVoiceMessageRequest

A request to create and send a new voice message.

Content

An object that contains a voice message and information about the recipient that you want to send it to.

Type: [VoiceMessageContent](#) (p. 33)

Required: False

OriginationPhoneNumber

The phone number that Amazon Pinpoint should use to send the voice message. This isn't necessarily the phone number that appears on recipients' devices when they receive the message, because you can specify the `CallerId` property in the request.

Although it isn't required, we recommend that you specify the phone number in E.164 format to ensure prompt and accurate delivery.

Type: string
Required: True

ConfigurationSetName

The name of the configuration set that you want to use to send the message.

Type: string
Required: False

DestinationPhoneNumber

The phone number that you want to send the voice message to.

Although it isn't required, we recommend that you specify the phone number in E.164 format to ensure prompt and accurate delivery. You can use the [phone-number-validate](#) resource in the Amazon Pinpoint API to convert phone numbers to E.164 format.

Type: string
Required: True

CallerId

The phone number that appears on recipients' devices when they receive the message.

Note

You can't specify a `CallerId` parameter if your account is in the sandbox.

Type: string
Required: False

SendVoiceMessageResponse

An object that contains the Message ID of a Voice message that was sent successfully.

MessageId

A unique identifier for the voice message.

Type: string
Required: False

TooManyRequestsException

This error occurs when there is an unexpected issue with the Amazon Pinpoint SMS and Voice API service.

Message

A description of the error that the API encountered.

Type: string

Required: False

VoiceMessageContent

An object that contains the voice message that you want to send.

CallInstructionsMessage

An object that defines a message formatted using Amazon Pinpoint Call Instructions.

Type: [CallInstructionsMessageType \(p. 30\)](#)

Required: False

PlainTextMessage

An object that defines a message that contains unformatted text.

Type: [PlainTextMessageType \(p. 30\)](#)

Required: False

SSMLMessage

An object that defines a message that contains SSML-formatted text.

Type: [SSMLMessageType \(p. 31\)](#)

Required: False

See Also

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

SendVoiceMessage

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

Service Limits

This chapter describes the limits that apply when you use the Amazon Pinpoint SMS and Voice service to send voice messages.

Resource	Default Limit	
Number of voice messages that can be sent in a 24-hour period	<p>If your account is in the sandbox: 20 messages.</p> <p>If your account is out of the sandbox: unlimited.</p>	
Number of voice messages that can be sent to a single recipient in a 24-hour period	5 messages.	
Number of voice messages that can be sent per minute	<p>If your account is in the sandbox: 5 calls per minute.</p> <p>If your account is out of the sandbox: 20 calls per minute.</p>	
Number of voice messages that can be sent from a single originating phone number per second	1 message per second.	
Voice message length	<p>If your account is in the sandbox: 30 seconds.</p> <p>If your account is out of the sandbox: 5 minutes.</p>	
Ability to send voice messages to international phone numbers	<p>If your account is in the sandbox, you can only send messages to recipients in the following countries:</p> <ul style="list-style-type: none"> • Australia • Canada • China • Germany • Hong Kong • Israel • Japan • Mexico • Singapore • Sweden • United States • United Kingdom 	

Resource	Default Limit	
	<p>If your account is out of the sandbox, you can send messages to recipients in any country.</p> <p>Note International calls are subject to additional fees, which vary by destination country or region.</p>	
<p>Number of characters in a voice message</p>	<p>3,000 billable characters (characters in words that are spoken)</p> <p>6,000 characters total (including billable characters and SSML tags)</p>	
<p>Number of configuration sets</p>	<p>10,000 voice configuration sets per AWS Region.</p>	

Document History for the Amazon Pinpoint SMS and Voice API Reference

The following table describes the documentation for this release of the Amazon Pinpoint SMS and Voice API.

- **API version:** latest
- **Latest documentation update:** April 25, 2019

Change	Description	Date
Regional availability	The Amazon Pinpoint SMS and Voice API is now available in the AWS Asia Pacific (Mumbai) and Asia Pacific (Sydney) Regions.	April 25, 2019
ListConfigurationSets	Added the <code>ListConfigurationSets</code> operation, which returns a list of the configuration sets that are associated with your account.	January 24, 2019
Amazon SNS event destinations	Configuration sets can now use Amazon Simple Notification Service (Amazon SNS) as an event destination.	December 21, 2018
Regional availability	The Amazon Pinpoint SMS and Voice API is now available in the AWS US West (Oregon) and EU (Frankfurt) Regions.	December 21, 2018
Initial release	This is the first release of the <i>Amazon Pinpoint SMS and Voice API Reference</i> .	November 15, 2018

AWS Glossary

For the latest AWS terminology, see the [AWS Glossary](#) in the *AWS General Reference*.