aws

API v2 Reference

Amazon Simple Email Service

API Version 2019-09-27

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Amazon Simple Email Service: API v2 Reference

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Welcome

Welcome to the Amazon SES API v2 Reference. This guide provides information about the Amazon SES API v2, including supported operations, data types, parameters, and schemas.

Amazon SES is an AWS service that you can use to send email messages to your customers.

If you're new to Amazon SES API v2, you might find it helpful to review the Amazon Simple Email Service Developer Guide. The *Amazon SES Developer Guide* provides information and code samples that demonstrate how to use Amazon SES API v2 features programmatically.

The Amazon SES API v2 is available in several AWS Regions and it provides an endpoint for each of these Regions. For more information, see Amazon SES endpoints and quotas in the *Amazon Web Services General Reference*. To learn more about AWS Regions, see Managing AWS Regions in the *Amazon Web Services General Reference*.

This document was last published on April 16, 2024.

Actions

The following actions are supported:

- BatchGetMetricData
- CancelExportJob
- CreateConfigurationSet
- CreateConfigurationSetEventDestination
- CreateContact
- CreateContactList
- CreateCustomVerificationEmailTemplate
- CreateDedicatedIpPool
- CreateDeliverabilityTestReport
- CreateEmailIdentity
- CreateEmailIdentityPolicy
- CreateEmailTemplate
- CreateExportJob
- CreateImportJob
- DeleteConfigurationSet
- DeleteConfigurationSetEventDestination
- DeleteContact
- DeleteContactList
- DeleteCustomVerificationEmailTemplate
- DeleteDedicatedIpPool
- DeleteEmailIdentity
- DeleteEmailIdentityPolicy
- DeleteEmailTemplate
- DeleteSuppressedDestination
- GetAccount
- GetBlacklistReports
- GetConfigurationSet

- GetConfigurationSetEventDestinations
- GetContact
- GetContactList
- GetCustomVerificationEmailTemplate
- GetDedicatedIp
- GetDedicatedIpPool
- GetDedicatedIps
- GetDeliverabilityDashboardOptions
- GetDeliverabilityTestReport
- GetDomainDeliverabilityCampaign
- GetDomainStatisticsReport
- GetEmailIdentity
- GetEmailIdentityPolicies
- GetEmailTemplate
- GetExportJob
- GetImportJob
- GetMessageInsights
- GetSuppressedDestination
- ListConfigurationSets
- ListContactLists
- ListContacts
- ListCustomVerificationEmailTemplates
- ListDedicatedIpPools
- ListDeliverabilityTestReports
- ListDomainDeliverabilityCampaigns
- ListEmailIdentities
- ListEmailTemplates
- ListExportJobs
- ListImportJobs
- ListRecommendations

- ListSuppressedDestinations
- ListTagsForResource
- PutAccountDedicatedIpWarmupAttributes
- PutAccountDetails
- PutAccountSendingAttributes
- PutAccountSuppressionAttributes
- PutAccountVdmAttributes
- PutConfigurationSetDeliveryOptions
- PutConfigurationSetReputationOptions
- PutConfigurationSetSendingOptions
- PutConfigurationSetSuppressionOptions
- PutConfigurationSetTrackingOptions
- PutConfigurationSetVdmOptions
- PutDedicatedIpInPool
- PutDedicatedIpPoolScalingAttributes
- PutDedicatedIpWarmupAttributes
- PutDeliverabilityDashboardOption
- PutEmailIdentityConfigurationSetAttributes
- PutEmailIdentityDkimAttributes
- PutEmailIdentityDkimSigningAttributes
- PutEmailIdentityFeedbackAttributes
- PutEmailIdentityMailFromAttributes
- PutSuppressedDestination
- SendBulkEmail
- SendCustomVerificationEmail
- SendEmail
- TagResource
- TestRenderEmailTemplate
- UntagResource
- UpdateConfigurationSetEventDestination

- UpdateContact
- UpdateContactList
- UpdateCustomVerificationEmailTemplate
- UpdateEmailIdentityPolicy
- UpdateEmailTemplate

BatchGetMetricData

Retrieves batches of metric data collected based on your sending activity.

You can execute this operation no more than 16 times per second, and with at most 160 queries from the batches per second (cumulative).

Request Syntax

```
POST /v2/email/metrics/batch HTTP/1.1
Content-type: application/json

{
   "Queries": [
      {
         "Dimensions": {
            "string" : "string"
         },
         "EndDate": number,
         "Id": "string",
         "Metric": "string",
         "Namespace": "string",
         "StartDate": number
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Queries

A list of queries for metrics to be retrieved.

Type: Array of BatchGetMetricDataQuery objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

Response Syntax

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

{
   "Errors": [
      {
         "Code": "string",
         "Id": "string",
         "Message": "string"
      }
   ],
   "Results": [
      {
         "Id": "string",
         "Timestamps": [ number ],
         "Values": [ 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.

Errors

A list of `MetricDataError` encountered while processing your metric data batch request.

Type: Array of MetricDataError objects

Results

A list of successfully retrieved `MetricDataResult`.

Type: Array of MetricDataResult objects

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServiceErrorException

The request couldn't be processed because an error occurred with the Amazon SES API v2.

HTTP Status Code: 500

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python

- AWS SDK for Ruby V3

CancelExportJob

Cancels an export job.

Request Syntax

```
PUT /v2/email/export-jobs/JobId/cancel HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

JobId

The export job ID.

Length Constraints: Minimum length of 1.

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateConfigurationSet

Create a configuration set. *Configuration sets* are groups of rules that you can apply to the emails that you send. You apply a configuration set to an email by specifying the name of the configuration set when you call the Amazon SES API v2. When you apply a configuration set to an email, all of the rules in that configuration set are applied to the email.

Request Syntax

```
POST /v2/email/configuration-sets HTTP/1.1
Content-type: application/json

{
   "ConfigurationSetName": "string",
   "DeliveryOptions": {
      "SendingPoolName": "string",
      "TlsPolicy": "string"
   },
   "ReputationOptions": {
      "LastFreshStart": number,
      "ReputationMetricsEnabled": boolean
   },
   "SendingOptions": {
      "SendingEnabled": boolean
   },
   "SuppressionOptions": {
      "SuppressedReasons": [ "string" ]
   },
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "TrackingOptions": {
      "CustomRedirectDomain": "string"
   },
   "VdmOptions": {
      "DashboardOptions": {
         "EngagementMetrics": "string"
      },
      "GuardianOptions": {
```

```
        "OptimizedSharedDelivery": "string"
      }
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ConfigurationSetName

The name of the configuration set. The name can contain up to 64 alphanumeric characters, including letters, numbers, hyphens (-) and underscores (_) only.

Type: String

Required: Yes

DeliveryOptions

An object that defines the dedicated IP pool that is used to send emails that you send using the configuration set.

Type: DeliveryOptions object

Required: No

ReputationOptions

An object that defines whether or not Amazon SES collects reputation metrics for the emails that you send that use the configuration set.

Type: ReputationOptions object

Required: No

SendingOptions

An object that defines whether or not Amazon SES can send email that you send using the configuration set.

Type: SendingOptions object

Required: No

SuppressionOptions

An object that contains information about the suppression list preferences for your account.

Type: SuppressionOptions object

Required: No

Tags

An array of objects that define the tags (keys and values) to associate with the configuration set.

Type: Array of Tag objects

Required: No

TrackingOptions

An object that defines the open and click tracking options for emails that you send using the configuration set.

Type: TrackingOptions object

Required: No

VdmOptions

An object that defines the VDM options for emails that you send using the configuration set.

Type: VdmOptions object

Required: No

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.

AlreadyExistsException

The resource specified in your request already exists.

HTTP Status Code: 400

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

ConcurrentModificationException

The resource is being modified by another operation or thread.

HTTP Status Code: 500

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateConfigurationSetEventDestination

Create an event destination. *Events* include message sends, deliveries, opens, clicks, bounces, and complaints. *Event destinations* are places that you can send information about these events to. For example, you can send event data to Amazon SNS to receive notifications when you receive bounces or complaints, or you can use Amazon Kinesis Data Firehose to stream data to Amazon S3 for long-term storage.

A single configuration set can include more than one event destination.

Request Syntax

```
POST /v2/email/configuration-sets/ConfigurationSetName/event-destinations HTTP/1.1
Content-type: application/json

{
   "EventDestination": {
      "CloudWatchDestination": {
         "DimensionConfigurations": [
            {
               "DefaultDimensionValue": "string",
               "DimensionName": "string",
               "DimensionValueSource": "string"
            }
         ]
      },
      "Enabled": boolean,
      "KinesisFirehoseDestination": {
         "DeliveryStreamArn": "string",
         "IamRoleArn": "string"
      },
      "MatchingEventTypes": [ "string" ],
      "PinpointDestination": {
         "ApplicationArn": "string"
      },
      "SnsDestination": {
         "TopicArn": "string"
      }
   },
   "EventDestinationName": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

ConfigurationSetName

The name of the configuration set .

Required: Yes

Request Body

The request accepts the following data in JSON format.

EventDestination

An object that defines the event destination.

Type: EventDestinationDefinition object

Required: Yes

EventDestinationName

A name that identifies the event destination within the configuration set.

Type: String

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.

AlreadyExistsException

The resource specified in your request already exists.

HTTP Status Code: 400

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3

- AWS SDK for Python
- AWS SDK for Ruby V3

CreateContact

Creates a contact, which is an end-user who is receiving the email, and adds them to a contact list.

Request Syntax

```
POST /v2/email/contact-lists/ContactListName/contacts HTTP/1.1
Content-type: application/json

{
   "AttributesData": "string",
   "EmailAddress": "string",
   "TopicPreferences": [
      {
         "SubscriptionStatus": "string",
         "TopicName": "string"
      }
   ],
   "UnsubscribeAll": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

ContactListName

The name of the contact list to which the contact should be added.

Required: Yes

Request Body

The request accepts the following data in JSON format.

AttributesData

The attribute data attached to a contact.

Type: String

Required: No

EmailAddress

The contact's email address.

Type: String

Required: Yes

TopicPreferences

The contact's preferences for being opted-in to or opted-out of topics.

Type: Array of TopicPreference objects

Required: No

UnsubscribeAll

A boolean value status noting if the contact is unsubscribed from all contact list topics.

Type: Boolean

Required: No

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.

AlreadyExistsException

The resource specified in your request already exists.

HTTP Status Code: 400

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateContactList

Creates a contact list.

Request Syntax

```
POST /v2/email/contact-lists HTTP/1.1
Content-type: application/json

{
   "ContactListName": "string",
   "Description": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "Topics": [
      {
         "DefaultSubscriptionStatus": "string",
         "Description": "string",
         "DisplayName": "string",
         "TopicName": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ContactListName

The name of the contact list.

Type: String

Required: Yes

Description

A description of what the contact list is about.

Type: String

Required: No

Tags

The tags associated with a contact list.

Type: Array of Tag objects

Required: No

Topics

An interest group, theme, or label within a list. A contact list can have multiple topics.

Type: Array of Topic objects

Required: No

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.

AlreadyExistsException

The resource specified in your request already exists.

HTTP Status Code: 400

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateCustomVerificationEmailTemplate

Creates a new custom verification email template.

For more information about custom verification email templates, see Using custom verification email templates in the *Amazon SES Developer Guide*.

You can execute this operation no more than once per second.

Request Syntax

```
POST /v2/email/custom-verification-email-templates HTTP/1.1
Content-type: application/json

{
   "FailureRedirectionURL": "string",
   "FromEmailAddress": "string",
   "SuccessRedirectionURL": "string",
   "TemplateContent": "string",
   "TemplateName": "string",
   "TemplateSubject": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

FailureRedirectionURL

The URL that the recipient of the verification email is sent to if his or her address is not successfully verified.

Type: String

Required: Yes

FromEmailAddress

The email address that the custom verification email is sent from.

Type: String

Required: Yes

SuccessRedirectionURL

The URL that the recipient of the verification email is sent to if his or her address is successfully verified.

Type: String

Required: Yes

TemplateContent

The content of the custom verification email. The total size of the email must be less than 10 MB. The message body may contain HTML, with some limitations. For more information, see Custom verification email frequently asked questions in the *Amazon SES Developer Guide*.

Type: String

Required: Yes

TemplateName

The name of the custom verification email template.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

TemplateSubject

The subject line of the custom verification email.

Type: String

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.

AlreadyExistsException

The resource specified in your request already exists.

HTTP Status Code: 400

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateDedicatedIpPool

Create a new pool of dedicated IP addresses. A pool can include one or more dedicated IP addresses that are associated with your AWS account. You can associate a pool with a configuration set. When you send an email that uses that configuration set, the message is sent from one of the addresses in the associated pool.

Request Syntax

```
POST /v2/email/dedicated-ip-pools HTTP/1.1
Content-type: application/json

{
   "PoolName": "string",
   "ScalingMode": "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.

PoolName

The name of the dedicated IP pool.

Type: String

Required: Yes

ScalingMode

The type of scaling mode.

Type: String

Valid Values: `STANDARD | MANAGED`

Required: No

Tags

An object that defines the tags (keys and values) that you want to associate with the pool.

Type: Array of Tag objects

Required: No

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.

AlreadyExistsException

The resource specified in your request already exists.

HTTP Status Code: 400

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

ConcurrentModificationException

The resource is being modified by another operation or thread.

HTTP Status Code: 500

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateDeliverabilityTestReport

Create a new predictive inbox placement test. Predictive inbox placement tests can help you predict how your messages will be handled by various email providers around the world. When you perform a predictive inbox placement test, you provide a sample message that contains the content that you plan to send to your customers. Amazon SES then sends that message to special email addresses spread across several major email providers. After about 24 hours, the test is complete, and you can use the `GetDeliverabilityTestReport` operation to view the results of the test.

Request Syntax

```
POST /v2/email/deliverability-dashboard/test HTTP/1.1
Content-type: application/json

{
   "Content": {
      "Raw": {
         "Data": blob
      },
      "Simple": {
         "Body": {
            "Html": {
               "Charset": "string",
               "Data": "string"
            },
            "Text": {
               "Charset": "string",
               "Data": "string"
            }
         },
         "Headers": [
            {
               "Name": "string",
               "Value": "string"
            }
         ],
         "Subject": {
            "Charset": "string",
            "Data": "string"
         }
      },
```

```
      "Template": {
         "Headers": [
            {
               "Name": "string",
               "Value": "string"
            }
         ],
         "TemplateArn": "string",
         "TemplateData": "string",
         "TemplateName": "string"
      }
   },
   "FromEmailAddress": "string",
   "ReportName": "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.

Content

The HTML body of the message that you sent when you performed the predictive inbox placement test.

Type: EmailContent object

Required: Yes

FromEmailAddress

The email address that the predictive inbox placement test email was sent from.

Type: String

Required: Yes

ReportName

A unique name that helps you to identify the predictive inbox placement test when you retrieve the results.

Type: String

Required: No

Tags

An array of objects that define the tags (keys and values) that you want to associate with the predictive inbox placement test.

Type: Array of Tag objects

Required: No

Response Syntax

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

{
   "DeliverabilityTestStatus": "string",
   "ReportId": "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.

DeliverabilityTestStatus

The status of the predictive inbox placement test. If the status is `IN_PROGRESS`, then the predictive inbox placement test is currently running. Predictive inbox placement tests are usually complete within 24 hours of creating the test. If the status is `COMPLETE`, then the test is finished, and you can use the `GetDeliverabilityTestReport` to view the results of the test.

Type: String

Valid Values: `IN_PROGRESS | COMPLETED`

ReportId

A unique string that identifies the predictive inbox placement test.

Type: String

Errors

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

AccountSuspendedException

The message can't be sent because the account's ability to send email has been permanently restricted.

HTTP Status Code: 400

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

ConcurrentModificationException

The resource is being modified by another operation or thread.

HTTP Status Code: 500

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

MailFromDomainNotVerifiedException

The message can't be sent because the sending domain isn't verified.

HTTP Status Code: 400

MessageRejected

The message can't be sent because it contains invalid content.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

SendingPausedException

The message can't be sent because the account's ability to send email is currently paused.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateEmailIdentity

Starts the process of verifying an email identity. An *identity* is an email address or domain that you use when you send email. Before you can use an identity to send email, you first have to verify it. By verifying an identity, you demonstrate that you're the owner of the identity, and that you've given Amazon SES API v2 permission to send email from the identity.

When you verify an email address, Amazon SES sends an email to the address. Your email address is verified as soon as you follow the link in the verification email.

When you verify a domain without specifying the `DkimSigningAttributes` object, this operation provides a set of DKIM tokens. You can convert these tokens into CNAME records, which you then add to the DNS configuration for your domain. Your domain is verified when Amazon SES detects these records in the DNS configuration for your domain. This verification method is known as Easy DKIM.

Alternatively, you can perform the verification process by providing your own public-private key pair. This verification method is known as Bring Your Own DKIM (BYODKIM). To use BYODKIM, your call to the `CreateEmailIdentity` operation has to include the `DkimSigningAttributes` object. When you specify this object, you provide a selector (a component of the DNS record name that identifies the public key to use for DKIM authentication) and a private key.

When you verify a domain, this operation provides a set of DKIM tokens, which you can convert into CNAME tokens. You add these CNAME tokens to the DNS configuration for your domain. Your domain is verified when Amazon SES detects these records in the DNS configuration for your domain. For some DNS providers, it can take 72 hours or more to complete the domain verification process.

Additionally, you can associate an existing configuration set with the email identity that you're verifying.

Request Syntax

```
POST /v2/email/identities HTTP/1.1
Content-type: application/json

{
   "ConfigurationSetName": "string",
   "DkimSigningAttributes": {
      "DomainSigningPrivateKey": "string",
```

```
      "DomainSigningSelector": "string",
      "NextSigningKeyLength": "string"
   },
   "EmailIdentity": "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.

ConfigurationSetName

The configuration set to use by default when sending from this identity. Note that any configuration set defined in the email sending request takes precedence.

Type: String

Required: No

DkimSigningAttributes

If your request includes this object, Amazon SES configures the identity to use Bring Your Own DKIM (BYODKIM) for DKIM authentication purposes, or, configures the key length to be used for Easy DKIM.

You can only specify this object if the email identity is a domain, as opposed to an address.

Type: DkimSigningAttributes object

Required: No

EmailIdentity

The email address or domain to verify.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Tags

An array of objects that define the tags (keys and values) to associate with the email identity.

Type: Array of Tag objects

Required: No

Response Syntax

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

{
   "DkimAttributes": {
      "CurrentSigningKeyLength": "string",
      "LastKeyGenerationTimestamp": number,
      "NextSigningKeyLength": "string",
      "SigningAttributesOrigin": "string",
      "SigningEnabled": boolean,
      "Status": "string",
      "Tokens": [ "string" ]
   },
   "IdentityType": "string",
   "VerifiedForSendingStatus": 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.

DkimAttributes

An object that contains information about the DKIM attributes for the identity.

Type: DkimAttributes object

IdentityType

The email identity type. Note: the `MANAGED_DOMAIN` identity type is not supported.

Type: String

Valid Values: `EMAIL_ADDRESS | DOMAIN | MANAGED_DOMAIN`

VerifiedForSendingStatus

Specifies whether or not the identity is verified. You can only send email from verified email addresses or domains. For more information about verifying identities, see the Amazon Pinpoint User Guide.

Type: Boolean

Errors

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

AlreadyExistsException

The resource specified in your request already exists.

HTTP Status Code: 400

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

ConcurrentModificationException

The resource is being modified by another operation or thread.

HTTP Status Code: 500

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateEmailIdentityPolicy

Creates the specified sending authorization policy for the given identity (an email address or a domain).

> **Note**
>
> This API is for the identity owner only. If you have not verified the identity, this API will return an error.

Sending authorization is a feature that enables an identity owner to authorize other senders to use its identities. For information about using sending authorization, see the Amazon SES Developer Guide.

You can execute this operation no more than once per second.

Request Syntax

```
POST /v2/email/identities/EmailIdentity/policies/PolicyName HTTP/1.1
Content-type: application/json

{
   "Policy": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

EmailIdentity

The email identity.

Length Constraints: Minimum length of 1.

Required: Yes

PolicyName

The name of the policy.

The policy name cannot exceed 64 characters and can only include alphanumeric characters, dashes, and underscores.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

Policy

The text of the policy in JSON format. The policy cannot exceed 4 KB.

For information about the syntax of sending authorization policies, see the Amazon SES Developer Guide.

Type: String

Length Constraints: Minimum length of 1.

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.

AlreadyExistsException

The resource specified in your request already exists.

HTTP Status Code: 400

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateEmailTemplate

Creates an email template. Email templates enable you to send personalized email to one or more destinations in a single API operation. For more information, see the Amazon SES Developer Guide.

You can execute this operation no more than once per second.

Request Syntax

```
POST /v2/email/templates HTTP/1.1
Content-type: application/json

{
   "TemplateContent": {
      "Html": "string",
      "Subject": "string",
      "Text": "string"
   },
   "TemplateName": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

TemplateContent

The content of the email template, composed of a subject line, an HTML part, and a text-only part.

Type: EmailTemplateContent object

Required: Yes

TemplateName

The name of the template.

Type: String

Length Constraints: Minimum length of 1.

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.

AlreadyExistsException

The resource specified in your request already exists.

HTTP Status Code: 400

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateExportJob

Creates an export job for a data source and destination.

You can execute this operation no more than once per second.

Request Syntax

```
POST /v2/email/export-jobs HTTP/1.1
Content-type: application/json

{
   "ExportDataSource": {
      "MessageInsightsDataSource": {
         "EndDate": number,
         "Exclude": {
            "Destination": [ "string" ],
            "FromEmailAddress": [ "string" ],
            "Isp": [ "string" ],
            "LastDeliveryEvent": [ "string" ],
            "LastEngagementEvent": [ "string" ],
            "Subject": [ "string" ]
         },
         "Include": {
            "Destination": [ "string" ],
            "FromEmailAddress": [ "string" ],
            "Isp": [ "string" ],
            "LastDeliveryEvent": [ "string" ],
            "LastEngagementEvent": [ "string" ],
            "Subject": [ "string" ]
         },
         "MaxResults": number,
         "StartDate": number
      },
      "MetricsDataSource": {
         "Dimensions": {
            "string" : [ "string" ]
         },
         "EndDate": number,
         "Metrics": [
            {
               "Aggregation": "string",
               "Name": "string"
```

```
            }
         ],
         "Namespace": "string",
         "StartDate": number
      }
   },
   "ExportDestination": {
      "DataFormat": "string",
      "S3Url": "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ExportDataSource

The data source for the export job.

Type: ExportDataSource object

Required: Yes

ExportDestination

The destination for the export job.

Type: ExportDestination object

Required: Yes

Response Syntax

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

{
```

```
    "JobId": "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.

JobId

A string that represents the export job ID.

Type: String

Length Constraints: Minimum length of 1.

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateImportJob

Creates an import job for a data destination.

Request Syntax

```
POST /v2/email/import-jobs HTTP/1.1
Content-type: application/json

{
   "ImportDataSource": {
      "DataFormat": "string",
      "S3Url": "string"
   },
   "ImportDestination": {
      "ContactListDestination": {
         "ContactListImportAction": "string",
         "ContactListName": "string"
      },
      "SuppressionListDestination": {
         "SuppressionListImportAction": "string"
      }
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ImportDataSource

The data source for the import job.

Type: ImportDataSource object

Required: Yes

ImportDestination

The destination for the import job.

Type: ImportDestination object

Required: Yes

Response Syntax

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

{
   "JobId": "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.

JobId

A string that represents the import job ID.

Type: String

Length Constraints: Minimum length of 1.

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteConfigurationSet

Delete an existing configuration set.

Configuration sets are groups of rules that you can apply to the emails you send. You apply a configuration set to an email by including a reference to the configuration set in the headers of the email. When you apply a configuration set to an email, all of the rules in that configuration set are applied to the email.

Request Syntax

```
DELETE /v2/email/configuration-sets/ConfigurationSetName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ConfigurationSetName

The name of the configuration set.

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 you provided is invalid.

HTTP Status Code: 400

ConcurrentModificationException

The resource is being modified by another operation or thread.

HTTP Status Code: 500

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteConfigurationSetEventDestination

Delete an event destination.

Events include message sends, deliveries, opens, clicks, bounces, and complaints. *Event destinations* are places that you can send information about these events to. For example, you can send event data to Amazon SNS to receive notifications when you receive bounces or complaints, or you can use Amazon Kinesis Data Firehose to stream data to Amazon S3 for long-term storage.

Request Syntax

```
DELETE /v2/email/configuration-sets/ConfigurationSetName/event-
destinations/EventDestinationName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ConfigurationSetName

The name of the configuration set that contains the event destination to delete.

Required: Yes

EventDestinationName

The name of the event destination to delete.

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteContact

Removes a contact from a contact list.

Request Syntax

```
DELETE /v2/email/contact-lists/ContactListName/contacts/EmailAddress HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ContactListName

The name of the contact list from which the contact should be removed.

Required: Yes

EmailAddress

The contact's email address.

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteContactList

Deletes a contact list and all of the contacts on that list.

Request Syntax

```
DELETE /v2/email/contact-lists/ContactListName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ContactListName

The name of the contact list.

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 you provided is invalid.

HTTP Status Code: 400

ConcurrentModificationException

The resource is being modified by another operation or thread.

HTTP Status Code: 500

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteCustomVerificationEmailTemplate

Deletes an existing custom verification email template.

For more information about custom verification email templates, see Using custom verification email templates in the *Amazon SES Developer Guide*.

You can execute this operation no more than once per second.

Request Syntax

```
DELETE /v2/email/custom-verification-email-templates/TemplateName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

TemplateName

The name of the custom verification email template that you want to delete.

Length Constraints: Minimum length of 1.

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteDedicatedIpPool

Delete a dedicated IP pool.

Request Syntax

```
DELETE /v2/email/dedicated-ip-pools/PoolName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

PoolName

The name of the dedicated IP pool that you want to delete.

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 you provided is invalid.

HTTP Status Code: 400

ConcurrentModificationException

The resource is being modified by another operation or thread.

HTTP Status Code: 500

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteEmailIdentity

Deletes an email identity. An identity can be either an email address or a domain name.

Request Syntax

```
DELETE /v2/email/identities/EmailIdentity HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EmailIdentity

The identity (that is, the email address or domain) to delete.

Length Constraints: Minimum length of 1.

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 you provided is invalid.

HTTP Status Code: 400

ConcurrentModificationException

The resource is being modified by another operation or thread.

HTTP Status Code: 500

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteEmailIdentityPolicy

Deletes the specified sending authorization policy for the given identity (an email address or a domain). This API returns successfully even if a policy with the specified name does not exist.

> **Note**
>
> This API is for the identity owner only. If you have not verified the identity, this API will return an error.

Sending authorization is a feature that enables an identity owner to authorize other senders to use its identities. For information about using sending authorization, see the Amazon SES Developer Guide.

You can execute this operation no more than once per second.

Request Syntax

```
DELETE /v2/email/identities/EmailIdentity/policies/PolicyName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EmailIdentity

The email identity.

Length Constraints: Minimum length of 1.

Required: Yes

PolicyName

The name of the policy.

The policy name cannot exceed 64 characters and can only include alphanumeric characters, dashes, and underscores.

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

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteEmailTemplate

Deletes an email template.

You can execute this operation no more than once per second.

Request Syntax

```
DELETE /v2/email/templates/TemplateName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

TemplateName

The name of the template to be deleted.

Length Constraints: Minimum length of 1.

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteSuppressedDestination

Removes an email address from the suppression list for your account.

Request Syntax

```
DELETE /v2/email/suppression/addresses/EmailAddress HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EmailAddress

The suppressed email destination to remove from the account suppression list.

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetAccount

Obtain information about the email-sending status and capabilities of your Amazon SES account in the current AWS Region.

Request Syntax

```
GET /v2/email/account 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

{
   "DedicatedIpAutoWarmupEnabled": boolean,
   "Details": {
      "AdditionalContactEmailAddresses": [ "string" ],
      "ContactLanguage": "string",
      "MailType": "string",
      "ReviewDetails": {
         "CaseId": "string",
         "Status": "string"
      },
      "UseCaseDescription": "string",
      "WebsiteURL": "string"
   },
   "EnforcementStatus": "string",
   "ProductionAccessEnabled": boolean,
   "SendingEnabled": boolean,
   "SendQuota": {
      "Max24HourSend": number,
```

```
      "MaxSendRate": number,
      "SentLast24Hours": number
   },
   "SuppressionAttributes": {
      "SuppressedReasons": [ "string" ]
   },
   "VdmAttributes": {
      "DashboardAttributes": {
         "EngagementMetrics": "string"
      },
      "GuardianAttributes": {
         "OptimizedSharedDelivery": "string"
      },
      "VdmEnabled": "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.

DedicatedIpAutoWarmupEnabled

Indicates whether or not the automatic warm-up feature is enabled for dedicated IP addresses that are associated with your account.

Type: Boolean

Details

An object that defines your account details.

Type: AccountDetails object

EnforcementStatus

The reputation status of your Amazon SES account. The status can be one of the following:

- HEALTHY – There are no reputation-related issues that currently impact your account.
- PROBATION – We've identified potential issues with your Amazon SES account. We're placing your account under review while you work on correcting these issues.

- SHUTDOWN – Your account's ability to send email is currently paused because of an issue with the email sent from your account. When you correct the issue, you can contact us and request that your account's ability to send email is resumed.

Type: String

ProductionAccessEnabled

Indicates whether or not your account has production access in the current AWS Region.

If the value is `false`, then your account is in the *sandbox*. When your account is in the sandbox, you can only send email to verified identities.

If the value is `true`, then your account has production access. When your account has production access, you can send email to any address. The sending quota and maximum sending rate for your account vary based on your specific use case.

Type: Boolean

SendingEnabled

Indicates whether or not email sending is enabled for your Amazon SES account in the current AWS Region.

Type: Boolean

SendQuota

An object that contains information about the per-day and per-second sending limits for your Amazon SES account in the current AWS Region.

Type: SendQuota object

SuppressionAttributes

An object that contains information about the email address suppression preferences for your account in the current AWS Region.

Type: SuppressionAttributes object

VdmAttributes

The VDM attributes that apply to your Amazon SES account.

Type: VdmAttributes object

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetBlacklistReports

Retrieve a list of the blacklists that your dedicated IP addresses appear on.

Request Syntax

```
GET /v2/email/deliverability-dashboard/blacklist-report?
BlacklistItemNames=BlacklistItemNames HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

BlacklistItemNames

A list of IP addresses that you want to retrieve blacklist information about. You can only specify the dedicated IP addresses that you use to send email using Amazon SES or Amazon Pinpoint.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "BlacklistReport": {
      "string" : [
         {
            "Description": "string",
            "ListingTime": number,
            "RblName": "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.

BlacklistReport

An object that contains information about a blacklist that one of your dedicated IP addresses appears on.

Type: String to array of BlacklistEntry objects map

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetConfigurationSet

Get information about an existing configuration set, including the dedicated IP pool that it's associated with, whether or not it's enabled for sending email, and more.

Configuration sets are groups of rules that you can apply to the emails you send. You apply a configuration set to an email by including a reference to the configuration set in the headers of the email. When you apply a configuration set to an email, all of the rules in that configuration set are applied to the email.

Request Syntax

```
GET /v2/email/configuration-sets/ConfigurationSetName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ConfigurationSetName

The name of the configuration set.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "ConfigurationSetName": "string",
   "DeliveryOptions": {
      "SendingPoolName": "string",
      "TlsPolicy": "string"
   },
   "ReputationOptions": {
```

```
      "LastFreshStart": number,
      "ReputationMetricsEnabled": boolean
   },
   "SendingOptions": {
      "SendingEnabled": boolean
   },
   "SuppressionOptions": {
      "SuppressedReasons": [ "string" ]
   },
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "TrackingOptions": {
      "CustomRedirectDomain": "string"
   },
   "VdmOptions": {
      "DashboardOptions": {
         "EngagementMetrics": "string"
      },
      "GuardianOptions": {
         "OptimizedSharedDelivery": "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.

ConfigurationSetName

The name of the configuration set.

Type: String

DeliveryOptions

An object that defines the dedicated IP pool that is used to send emails that you send using the configuration set.

Type: DeliveryOptions object

ReputationOptions

An object that defines whether or not Amazon SES collects reputation metrics for the emails that you send that use the configuration set.

Type: ReputationOptions object

SendingOptions

An object that defines whether or not Amazon SES can send email that you send using the configuration set.

Type: SendingOptions object

SuppressionOptions

An object that contains information about the suppression list preferences for your account.

Type: SuppressionOptions object

Tags

An array of objects that define the tags (keys and values) that are associated with the configuration set.

Type: Array of Tag objects

TrackingOptions

An object that defines the open and click tracking options for emails that you send using the configuration set.

Type: TrackingOptions object

VdmOptions

An object that contains information about the VDM preferences for your configuration set.

Type: VdmOptions object

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetConfigurationSetEventDestinations

Retrieve a list of event destinations that are associated with a configuration set.

Events include message sends, deliveries, opens, clicks, bounces, and complaints. *Event destinations* are places that you can send information about these events to. For example, you can send event data to Amazon SNS to receive notifications when you receive bounces or complaints, or you can use Amazon Kinesis Data Firehose to stream data to Amazon S3 for long-term storage.

Request Syntax

```
GET /v2/email/configuration-sets/ConfigurationSetName/event-destinations HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ConfigurationSetName

The name of the configuration set that contains the event destination.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "EventDestinations": [
      {
         "CloudWatchDestination": {
            "DimensionConfigurations": [
               {
                  "DefaultDimensionValue": "string",
```

```
                "DimensionName": "string",
                "DimensionValueSource": "string"
             }
          ]
       },
       "Enabled": boolean,
       "KinesisFirehoseDestination": {
          "DeliveryStreamArn": "string",
          "IamRoleArn": "string"
       },
       "MatchingEventTypes": [ "string" ],
       "Name": "string",
       "PinpointDestination": {
          "ApplicationArn": "string"
       },
       "SnsDestination": {
          "TopicArn": "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.

EventDestinations

An array that includes all of the events destinations that have been configured for the configuration set.

Type: Array of EventDestination objects

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetContact

Returns a contact from a contact list.

Request Syntax

```
GET /v2/email/contact-lists/ContactListName/contacts/EmailAddress HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ContactListName

The name of the contact list to which the contact belongs.

Required: Yes

EmailAddress

The contact's email address.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "AttributesData": "string",
   "ContactListName": "string",
   "CreatedTimestamp": number,
   "EmailAddress": "string",
   "LastUpdatedTimestamp": number,
   "TopicDefaultPreferences": [
      {
```

```
         "SubscriptionStatus": "string",
         "TopicName": "string"
      }
   ],
   "TopicPreferences": [
      {
         "SubscriptionStatus": "string",
         "TopicName": "string"
      }
   ],
   "UnsubscribeAll": 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.

AttributesData

The attribute data attached to a contact.

Type: String

ContactListName

The name of the contact list to which the contact belongs.

Type: String

CreatedTimestamp

A timestamp noting when the contact was created.

Type: Timestamp

EmailAddress

The contact's email address.

Type: String

LastUpdatedTimestamp

A timestamp noting the last time the contact's information was updated.

Type: Timestamp

TopicDefaultPreferences

The default topic preferences applied to the contact.

Type: Array of TopicPreference objects

TopicPreferences

The contact's preference for being opted-in to or opted-out of a topic.>

Type: Array of TopicPreference objects

UnsubscribeAll

A boolean value status noting if the contact is unsubscribed from all contact list topics.

Type: Boolean

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetContactList

Returns contact list metadata. It does not return any information about the contacts present in the list.

Request Syntax

```
GET /v2/email/contact-lists/ContactListName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ContactListName

The name of the contact list.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "ContactListName": "string",
   "CreatedTimestamp": number,
   "Description": "string",
   "LastUpdatedTimestamp": number,
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "Topics": [
```

```
      {
         "DefaultSubscriptionStatus": "string",
         "Description": "string",
         "DisplayName": "string",
         "TopicName": "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.

ContactListName

The name of the contact list.

Type: String

CreatedTimestamp

A timestamp noting when the contact list was created.

Type: Timestamp

Description

A description of what the contact list is about.

Type: String

LastUpdatedTimestamp

A timestamp noting the last time the contact list was updated.

Type: Timestamp

Tags

The tags associated with a contact list.

Type: Array of Tag objects

Topics

An interest group, theme, or label within a list. A contact list can have multiple topics.

Type: Array of Topic objects

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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 Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3

- AWS SDK for Python
- AWS SDK for Ruby V3

GetCustomVerificationEmailTemplate

Returns the custom email verification template for the template name you specify.

For more information about custom verification email templates, see Using custom verification email templates in the *Amazon SES Developer Guide*.

You can execute this operation no more than once per second.

Request Syntax

```
GET /v2/email/custom-verification-email-templates/TemplateName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

TemplateName

The name of the custom verification email template that you want to retrieve.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "FailureRedirectionURL": "string",
   "FromEmailAddress": "string",
   "SuccessRedirectionURL": "string",
   "TemplateContent": "string",
   "TemplateName": "string",
```

```
   "TemplateSubject": "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.

FailureRedirectionURL

The URL that the recipient of the verification email is sent to if his or her address is not successfully verified.

Type: String

FromEmailAddress

The email address that the custom verification email is sent from.

Type: String

SuccessRedirectionURL

The URL that the recipient of the verification email is sent to if his or her address is successfully verified.

Type: String

TemplateContent

The content of the custom verification email.

Type: String

TemplateName

The name of the custom verification email template.

Type: String

Length Constraints: Minimum length of 1.

TemplateSubject

The subject line of the custom verification email.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetDedicatedIp

Get information about a dedicated IP address, including the name of the dedicated IP pool that it's associated with, as well information about the automatic warm-up process for the address.

Request Syntax

```
GET /v2/email/dedicated-ips/IP HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

IP

The IP address that you want to obtain more information about. The value you specify has to be a dedicated IP address that's assocaited with your AWS account.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "DedicatedIp": {
      "Ip": "string",
      "PoolName": "string",
      "WarmupPercentage": number,
      "WarmupStatus": "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.

DedicatedIp

An object that contains information about a dedicated IP address.

Type: DedicatedIp object

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetDedicatedIpPool

Retrieve information about the dedicated pool.

Request Syntax

```
GET /v2/email/dedicated-ip-pools/PoolName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

PoolName

The name of the dedicated IP pool to retrieve.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "DedicatedIpPool": {
      "PoolName": "string",
      "ScalingMode": "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.

DedicatedIpPool

An object that contains information about a dedicated IP pool.

Type: DedicatedIpPool object

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3

- AWS SDK for Python
- AWS SDK for Ruby V3

GetDedicatedIps

List the dedicated IP addresses that are associated with your AWS account.

Request Syntax

```
GET /v2/email/dedicated-ips?NextToken=NextToken&PageSize=PageSize&PoolName=PoolName
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

NextToken

A token returned from a previous call to `GetDedicatedIps` to indicate the position of the dedicated IP pool in the list of IP pools.

PageSize

The number of results to show in a single call to `GetDedicatedIpsRequest`. If the number of results is larger than the number you specified in this parameter, then the response includes a `NextToken` element, which you can use to obtain additional results.

PoolName

The name of the IP pool that the dedicated IP address is associated with.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "DedicatedIps": [
      {
         "Ip": "string",
```

```
            "PoolName": "string",
            "WarmupPercentage": number,
            "WarmupStatus": "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.

DedicatedIps

A list of dedicated IP addresses that are associated with your AWS account.

Type: Array of DedicatedIp objects

NextToken

A token that indicates that there are additional dedicated IP addresses to list. To view additional addresses, issue another request to `GetDedicatedIps`, passing this token in the `NextToken` parameter.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetDeliverabilityDashboardOptions

Retrieve information about the status of the Deliverability dashboard for your account. When the Deliverability dashboard is enabled, you gain access to reputation, deliverability, and other metrics for the domains that you use to send email. You also gain the ability to perform predictive inbox placement tests.

When you use the Deliverability dashboard, you pay a monthly subscription charge, in addition to any other fees that you accrue by using Amazon SES and other AWS services. For more information about the features and cost of a Deliverability dashboard subscription, see Amazon SES Pricing.

Request Syntax

```
GET /v2/email/deliverability-dashboard 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

{
   "AccountStatus": "string",
   "ActiveSubscribedDomains": [
      {
         "Domain": "string",
         "InboxPlacementTrackingOption": {
            "Global": boolean,
            "TrackedIsps": [ "string" ]
         },
         "SubscriptionStartDate": number
      }
   ],
```

```
   "DashboardEnabled": boolean,
   "PendingExpirationSubscribedDomains": [
      {
         "Domain": "string",
         "InboxPlacementTrackingOption": {
            "Global": boolean,
            "TrackedIsps": [ "string" ]
         },
         "SubscriptionStartDate": number
      }
   ],
   "SubscriptionExpiryDate": 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.

AccountStatus

The current status of your Deliverability dashboard subscription. If this value is `PENDING_EXPIRATION`, your subscription is scheduled to expire at the end of the current calendar month.

Type: String

Valid Values: `ACTIVE | PENDING_EXPIRATION | DISABLED`

ActiveSubscribedDomains

An array of objects, one for each verified domain that you use to send email and currently has an active Deliverability dashboard subscription that isn't scheduled to expire at the end of the current calendar month.

Type: Array of DomainDeliverabilityTrackingOption objects

DashboardEnabled

Specifies whether the Deliverability dashboard is enabled. If this value is `true`, the dashboard is enabled.

Type: Boolean

PendingExpirationSubscribedDomains

An array of objects, one for each verified domain that you use to send email and currently has an active Deliverability dashboard subscription that's scheduled to expire at the end of the current calendar month.

Type: Array of DomainDeliverabilityTrackingOption objects

SubscriptionExpiryDate

The date when your current subscription to the Deliverability dashboard is scheduled to expire, if your subscription is scheduled to expire at the end of the current calendar month. This value is null if you have an active subscription that isn't due to expire at the end of the month.

Type: Timestamp

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetDeliverabilityTestReport

Retrieve the results of a predictive inbox placement test.

Request Syntax

```
GET /v2/email/deliverability-dashboard/test-reports/ReportId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ReportId

A unique string that identifies the predictive inbox placement test.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "DeliverabilityTestReport": {
      "CreateDate": number,
      "DeliverabilityTestStatus": "string",
      "FromEmailAddress": "string",
      "ReportId": "string",
      "ReportName": "string",
      "Subject": "string"
   },
   "IspPlacements": [
      {
         "IspName": "string",
```

```
         "PlacementStatistics": {
            "DkimPercentage": number,
            "InboxPercentage": number,
            "MissingPercentage": number,
            "SpamPercentage": number,
            "SpfPercentage": number
         }
      }
   ],
   "Message": "string",
   "OverallPlacement": {
      "DkimPercentage": number,
      "InboxPercentage": number,
      "MissingPercentage": number,
      "SpamPercentage": number,
      "SpfPercentage": number
   },
   "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.

DeliverabilityTestReport

An object that contains the results of the predictive inbox placement test.

Type: DeliverabilityTestReport object

IspPlacements

An object that describes how the test email was handled by several email providers, including Gmail, Hotmail, Yahoo, AOL, and others.

Type: Array of IspPlacement objects

Message

An object that contains the message that you sent when you performed this predictive inbox placement test.

Type: String

OverallPlacement

An object that specifies how many test messages that were sent during the predictive inbox placement test were delivered to recipients' inboxes, how many were sent to recipients' spam folders, and how many weren't delivered.

Type: PlacementStatistics object

Tags

An array of objects that define the tags (keys and values) that are associated with the predictive inbox placement test.

Type: Array of Tag objects

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetDomainDeliverabilityCampaign

Retrieve all the deliverability data for a specific campaign. This data is available for a campaign only if the campaign sent email by using a domain that the Deliverability dashboard is enabled for.

Request Syntax

```
GET /v2/email/deliverability-dashboard/campaigns/CampaignId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

CampaignId

The unique identifier for the campaign. The Deliverability dashboard automatically generates and assigns this identifier to a campaign.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "DomainDeliverabilityCampaign": {
      "CampaignId": "string",
      "DeleteRate": number,
      "Esps": [ "string" ],
      "FirstSeenDateTime": number,
      "FromAddress": "string",
      "ImageUrl": "string",
      "InboxCount": number,
      "LastSeenDateTime": number,
```

```
      "ProjectedVolume": number,
      "ReadDeleteRate": number,
      "ReadRate": number,
      "SendingIps": [ "string" ],
      "SpamCount": number,
      "Subject": "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.

DomainDeliverabilityCampaign

An object that contains the deliverability data for the campaign.

Type: DomainDeliverabilityCampaign object

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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 C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetDomainStatisticsReport

Retrieve inbox placement and engagement rates for the domains that you use to send email.

Request Syntax

```
GET /v2/email/deliverability-dashboard/statistics-report/Domain?
EndDate=EndDate&StartDate=StartDate HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

Domain

The domain that you want to obtain deliverability metrics for.

Length Constraints: Minimum length of 1.

Required: Yes

EndDate

The last day (in Unix time) that you want to obtain domain deliverability metrics for. The `EndDate` that you specify has to be less than or equal to 30 days after the `StartDate`.

Required: Yes

StartDate

The first day (in Unix time) that you want to obtain domain deliverability metrics for.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{
   "DailyVolumes": [
      {
         "DomainIspPlacements": [
            {
               "InboxPercentage": number,
               "InboxRawCount": number,
               "IspName": "string",
               "SpamPercentage": number,
               "SpamRawCount": number
            }
         ],
         "StartDate": number,
         "VolumeStatistics": {
            "InboxRawCount": number,
            "ProjectedInbox": number,
            "ProjectedSpam": number,
            "SpamRawCount": number
         }
      }
   ],
   "OverallVolume": {
      "DomainIspPlacements": [
         {
            "InboxPercentage": number,
            "InboxRawCount": number,
            "IspName": "string",
            "SpamPercentage": number,
            "SpamRawCount": number
         }
      ],
      "ReadRatePercent": number,
      "VolumeStatistics": {
         "InboxRawCount": number,
         "ProjectedInbox": number,
         "ProjectedSpam": number,
         "SpamRawCount": 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.

DailyVolumes

An object that contains deliverability metrics for the domain that you specified. This object contains data for each day, starting on the `StartDate` and ending on the `EndDate`.

Type: Array of DailyVolume objects

OverallVolume

An object that contains deliverability metrics for the domain that you specified. The data in this object is a summary of all of the data that was collected from the `StartDate` to the `EndDate`.

Type: OverallVolume object

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetEmailIdentity

Provides information about a specific identity, including the identity's verification status, sending authorization policies, its DKIM authentication status, and its custom Mail-From settings.

Request Syntax

```
GET /v2/email/identities/EmailIdentity HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EmailIdentity

The email identity.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "ConfigurationSetName": "string",
   "DkimAttributes": {
      "CurrentSigningKeyLength": "string",
      "LastKeyGenerationTimestamp": number,
      "NextSigningKeyLength": "string",
      "SigningAttributesOrigin": "string",
      "SigningEnabled": boolean,
      "Status": "string",
```

```
      "Tokens": [ "string" ]
   },
   "FeedbackForwardingStatus": boolean,
   "IdentityType": "string",
   "MailFromAttributes": {
      "BehaviorOnMxFailure": "string",
      "MailFromDomain": "string",
      "MailFromDomainStatus": "string"
   },
   "Policies": {
      "string" : "string"
   },
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "VerificationInfo": {
      "ErrorType": "string",
      "LastCheckedTimestamp": number,
      "LastSuccessTimestamp": number,
      "SOARecord": {
         "AdminEmail": "string",
         "PrimaryNameServer": "string",
         "SerialNumber": number
      }
   },
   "VerificationStatus": "string",
   "VerifiedForSendingStatus": 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.

ConfigurationSetName

The configuration set used by default when sending from this identity.

Type: String

DkimAttributes

An object that contains information about the DKIM attributes for the identity.

Type: DkimAttributes object

FeedbackForwardingStatus

The feedback forwarding configuration for the identity.

If the value is `true`, you receive email notifications when bounce or complaint events occur. These notifications are sent to the address that you specified in the `Return-Path` header of the original email.

You're required to have a method of tracking bounces and complaints. If you haven't set up another mechanism for receiving bounce or complaint notifications (for example, by setting up an event destination), you receive an email notification when these events occur (even if this setting is disabled).

Type: Boolean

IdentityType

The email identity type. Note: the `MANAGED_DOMAIN` identity type is not supported.

Type: String

Valid Values: `EMAIL_ADDRESS | DOMAIN | MANAGED_DOMAIN`

MailFromAttributes

An object that contains information about the Mail-From attributes for the email identity.

Type: MailFromAttributes object

Policies

A map of policy names to policies.

Type: String to string map

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

Value Length Constraints: Minimum length of 1.

Tags

An array of objects that define the tags (keys and values) that are associated with the email identity.

Type: Array of Tag objects

VerificationInfo

An object that contains additional information about the verification status for the identity.

Type: VerificationInfo object

VerificationStatus

The verification status of the identity. The status can be one of the following:

- PENDING – The verification process was initiated, but Amazon SES hasn't yet been able to verify the identity.
- SUCCESS – The verification process completed successfully.
- FAILED – The verification process failed.
- TEMPORARY_FAILURE – A temporary issue is preventing Amazon SES from determining the verification status of the identity.
- NOT_STARTED – The verification process hasn't been initiated for the identity.

Type: String

Valid Values: PENDING | SUCCESS | FAILED | TEMPORARY_FAILURE | NOT_STARTED

VerifiedForSendingStatus

Specifies whether or not the identity is verified. You can only send email from verified email addresses or domains. For more information about verifying identities, see the Amazon Pinpoint User Guide.

Type: Boolean

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetEmailIdentityPolicies

Returns the requested sending authorization policies for the given identity (an email address or a domain). The policies are returned as a map of policy names to policy contents. You can retrieve a maximum of 20 policies at a time.

> **Note**
>
> This API is for the identity owner only. If you have not verified the identity, this API will return an error.

Sending authorization is a feature that enables an identity owner to authorize other senders to use its identities. For information about using sending authorization, see the Amazon SES Developer Guide.

You can execute this operation no more than once per second.

Request Syntax

```
GET /v2/email/identities/EmailIdentity/policies HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EmailIdentity

The email identity.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "Policies": {
      "string" : "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.

Policies

A map of policy names to policies.

Type: String to string map

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

Value Length Constraints: Minimum length of 1.

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetEmailTemplate

Displays the template object (which includes the subject line, HTML part and text part) for the template you specify.

You can execute this operation no more than once per second.

Request Syntax

```
GET /v2/email/templates/TemplateName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

TemplateName

The name of the template.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "TemplateContent": {
      "Html": "string",
      "Subject": "string",
      "Text": "string"
   },
   "TemplateName": "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.

TemplateContent

The content of the email template, composed of a subject line, an HTML part, and a text-only part.

Type: EmailTemplateContent object

TemplateName

The name of the template.

Type: String

Length Constraints: Minimum length of 1.

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetExportJob

Provides information about an export job.

Request Syntax

```
GET /v2/email/export-jobs/JobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

JobId

The export job ID.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "CompletedTimestamp": number,
   "CreatedTimestamp": number,
   "ExportDataSource": {
      "MessageInsightsDataSource": {
         "EndDate": number,
         "Exclude": {
            "Destination": [ "string" ],
            "FromEmailAddress": [ "string" ],
            "Isp": [ "string" ],
            "LastDeliveryEvent": [ "string" ],
            "LastEngagementEvent": [ "string" ],
```

```
            "Subject": [ "string" ]
         },
         "Include": {
            "Destination": [ "string" ],
            "FromEmailAddress": [ "string" ],
            "Isp": [ "string" ],
            "LastDeliveryEvent": [ "string" ],
            "LastEngagementEvent": [ "string" ],
            "Subject": [ "string" ]
         },
         "MaxResults": number,
         "StartDate": number
      },
      "MetricsDataSource": {
         "Dimensions": {
            "string" : [ "string" ]
         },
         "EndDate": number,
         "Metrics": [
            {
               "Aggregation": "string",
               "Name": "string"
            }
         ],
         "Namespace": "string",
         "StartDate": number
      }
   },
   "ExportDestination": {
      "DataFormat": "string",
      "S3Url": "string"
   },
   "ExportSourceType": "string",
   "FailureInfo": {
      "ErrorMessage": "string",
      "FailedRecordsS3Url": "string"
   },
   "JobId": "string",
   "JobStatus": "string",
   "Statistics": {
      "ExportedRecordsCount": number,
      "ProcessedRecordsCount": 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.

CompletedTimestamp

The timestamp of when the export job was completed.

Type: Timestamp

CreatedTimestamp

The timestamp of when the export job was created.

Type: Timestamp

ExportDataSource

The data source of the export job.

Type: ExportDataSource object

ExportDestination

The destination of the export job.

Type: ExportDestination object

ExportSourceType

The type of source of the export job.

Type: String

Valid Values: `METRICS_DATA | MESSAGE_INSIGHTS`

FailureInfo

The failure details about an export job.

Type: FailureInfo object

JobId

The export job ID.

Type: String

Length Constraints: Minimum length of 1.

JobStatus

The status of the export job.

Type: String

Valid Values: `CREATED | PROCESSING | COMPLETED | FAILED | CANCELLED`

Statistics

The statistics about the export job.

Type: ExportStatistics object

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetImportJob

Provides information about an import job.

Request Syntax

```
GET /v2/email/import-jobs/JobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

JobId

The ID of the import job.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "CompletedTimestamp": number,
   "CreatedTimestamp": number,
   "FailedRecordsCount": number,
   "FailureInfo": {
      "ErrorMessage": "string",
      "FailedRecordsS3Url": "string"
   },
   "ImportDataSource": {
      "DataFormat": "string",
      "S3Url": "string"
```

```
   },
   "ImportDestination": {
      "ContactListDestination": {
         "ContactListImportAction": "string",
         "ContactListName": "string"
      },
      "SuppressionListDestination": {
         "SuppressionListImportAction": "string"
      }
   },
   "JobId": "string",
   "JobStatus": "string",
   "ProcessedRecordsCount": 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.

CompletedTimestamp

The time stamp of when the import job was completed.

Type: Timestamp

CreatedTimestamp

The time stamp of when the import job was created.

Type: Timestamp

FailedRecordsCount

The number of records that failed processing because of invalid input or other reasons.

Type: Integer

FailureInfo

The failure details about an import job.

Type: FailureInfo object

ImportDataSource

The data source of the import job.

Type: ImportDataSource object

ImportDestination

The destination of the import job.

Type: ImportDestination object

JobId

A string that represents the import job ID.

Type: String

Length Constraints: Minimum length of 1.

JobStatus

The status of the import job.

Type: String

Valid Values: `CREATED | PROCESSING | COMPLETED | FAILED | CANCELLED`

ProcessedRecordsCount

The current number of records processed.

Type: Integer

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetMessageInsights

Provides information about a specific message, including the from address, the subject, the recipient address, email tags, as well as events associated with the message.

You can execute this operation no more than once per second.

Request Syntax

```
GET /v2/email/insights/MessageId/ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MessageId

A `MessageId` is a unique identifier for a message, and is returned when sending emails through Amazon SES.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "EmailTags": [
      {
         "Name": "string",
         "Value": "string"
      }
   ],
   "FromEmailAddress": "string",
```

```
   "Insights": [
      {
         "Destination": "string",
         "Events": [
            {
               "Details": {
                  "Bounce": {
                     "BounceSubType": "string",
                     "BounceType": "string",
                     "DiagnosticCode": "string"
                  },
                  "Complaint": {
                     "ComplaintFeedbackType": "string",
                     "ComplaintSubType": "string"
                  }
               },
               "Timestamp": number,
               "Type": "string"
            }
         ],
         "Isp": "string"
      }
   ],
   "MessageId": "string",
   "Subject": "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.

EmailTags

A list of tags, in the form of name/value pairs, that were applied to the email you sent, along with Amazon SES Auto-Tags.

Type: Array of MessageTag objects

FromEmailAddress

The from address used to send the message.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 320.

Insights

A set of insights associated with the message.

Type: Array of EmailInsights objects

MessageId

A unique identifier for the message.

Type: String

Subject

The subject line of the message.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 998.

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetSuppressedDestination

Retrieves information about a specific email address that's on the suppression list for your account.

Request Syntax

```
GET /v2/email/suppression/addresses/EmailAddress HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EmailAddress

The email address that's on the account suppression list.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "SuppressedDestination": {
      "Attributes": {
         "FeedbackId": "string",
         "MessageId": "string"
      },
      "EmailAddress": "string",
      "LastUpdateTime": number,
      "Reason": "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.

SuppressedDestination

An object containing information about the suppressed email address.

Type: SuppressedDestination object

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListConfigurationSets

List all of the configuration sets associated with your account in the current region.

Configuration sets are groups of rules that you can apply to the emails you send. You apply a configuration set to an email by including a reference to the configuration set in the headers of the email. When you apply a configuration set to an email, all of the rules in that configuration set are applied to the email.

Request Syntax

```
GET /v2/email/configuration-sets?NextToken=NextToken&PageSize=PageSize HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

NextToken

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

PageSize

The number of results to show in a single call to `ListConfigurationSets`. If the number of results is larger than the number you specified in this parameter, then the response includes a `NextToken` element, which you can use to obtain additional results.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "ConfigurationSets": [ "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.

ConfigurationSets

An array that contains all of the configuration sets in your Amazon SES account in the current AWS Region.

Type: Array of strings

NextToken

A token that indicates that there are additional configuration sets to list. To view additional configuration sets, issue another request to `ListConfigurationSets`, and pass this token in the `NextToken` parameter.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListContactLists

Lists all of the contact lists available.

Request Syntax

```
GET /v2/email/contact-lists?NextToken=NextToken&PageSize=PageSize HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

NextToken

A string token indicating that there might be additional contact lists available to be listed. Use the token provided in the Response to use in the subsequent call to ListContactLists with the same parameters to retrieve the next page of contact lists.

PageSize

Maximum number of contact lists to return at once. Use this parameter to paginate results. If additional contact lists exist beyond the specified limit, the `NextToken` element is sent in the response. Use the `NextToken` value in subsequent requests to retrieve additional lists.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "ContactLists": [
      {
         "ContactListName": "string",
         "LastUpdatedTimestamp": number
      }
   ],
   "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.

ContactLists

The available contact lists.

Type: Array of ContactList objects

NextToken

A string token indicating that there might be additional contact lists available to be listed. Copy this token to a subsequent call to `ListContactLists` with the same parameters to retrieve the next page of contact lists.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListContacts

Lists the contacts present in a specific contact list.

Request Syntax

```
GET /v2/email/contact-lists/ContactListName/contacts?
NextToken=NextToken&PageSize=PageSize HTTP/1.1
Content-type: application/json

{
   "Filter": {
      "FilteredStatus": "string",
      "TopicFilter": {
         "TopicName": "string",
         "UseDefaultIfPreferenceUnavailable": boolean
      }
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

ContactListName

The name of the contact list.

Required: Yes

NextToken

A string token indicating that there might be additional contacts available to be listed. Use the token provided in the Response to use in the subsequent call to ListContacts with the same parameters to retrieve the next page of contacts.

PageSize

The number of contacts that may be returned at once, which is dependent on if there are more or less contacts than the value of the PageSize. Use this parameter to paginate results. If additional contacts exist beyond the specified limit, the `NextToken` element is sent in the response. Use the `NextToken` value in subsequent requests to retrieve additional contacts.

Request Body

The request accepts the following data in JSON format.

Filter

A filter that can be applied to a list of contacts.

Type: ListContactsFilter object

Required: No

Response Syntax

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

{
   "Contacts": [
      {
         "EmailAddress": "string",
         "LastUpdatedTimestamp": number,
         "TopicDefaultPreferences": [
            {
               "SubscriptionStatus": "string",
               "TopicName": "string"
            }
         ],
         "TopicPreferences": [
            {
               "SubscriptionStatus": "string",
               "TopicName": "string"
            }
         ],
         "UnsubscribeAll": boolean
      }
   ],
   "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.

Contacts

The contacts present in a specific contact list.

Type: Array of Contact objects

NextToken

A string token indicating that there might be additional contacts available to be listed. Copy this token to a subsequent call to `ListContacts` with the same parameters to retrieve the next page of contacts.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListCustomVerificationEmailTemplates

Lists the existing custom verification email templates for your account in the current AWS Region.

For more information about custom verification email templates, see Using custom verification email templates in the *Amazon SES Developer Guide*.

You can execute this operation no more than once per second.

Request Syntax

```
GET /v2/email/custom-verification-email-templates?NextToken=NextToken&PageSize=PageSize
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

NextToken

A token returned from a previous call to `ListCustomVerificationEmailTemplates` to indicate the position in the list of custom verification email templates.

PageSize

The number of results to show in a single call to `ListCustomVerificationEmailTemplates`. If the number of results is larger than the number you specified in this parameter, then the response includes a `NextToken` element, which you can use to obtain additional results.

The value you specify has to be at least 1, and can be no more than 50.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "CustomVerificationEmailTemplates": [
      {
         "FailureRedirectionURL": "string",
         "FromEmailAddress": "string",
         "SuccessRedirectionURL": "string",
         "TemplateName": "string",
         "TemplateSubject": "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.

CustomVerificationEmailTemplates

A list of the custom verification email templates that exist in your account.

Type: Array of CustomVerificationEmailTemplateMetadata objects

NextToken

A token indicating that there are additional custom verification email templates available to be listed. Pass this token to a subsequent call to `ListCustomVerificationEmailTemplates` to retrieve the next 50 custom verification email templates.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListDedicatedIpPools

List all of the dedicated IP pools that exist in your AWS account in the current Region.

Request Syntax

```
GET /v2/email/dedicated-ip-pools?NextToken=NextToken&PageSize=PageSize HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

NextToken

A token returned from a previous call to `ListDedicatedIpPools` to indicate the position in the list of dedicated IP pools.

PageSize

The number of results to show in a single call to `ListDedicatedIpPools`. If the number of results is larger than the number you specified in this parameter, then the response includes a `NextToken` element, which you can use to obtain additional results.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "DedicatedIpPools": [ "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.

DedicatedIpPools

A list of all of the dedicated IP pools that are associated with your AWS account in the current Region.

Type: Array of strings

NextToken

A token that indicates that there are additional IP pools to list. To view additional IP pools, issue another request to `ListDedicatedIpPools`, passing this token in the `NextToken` parameter.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListDeliverabilityTestReports

Show a list of the predictive inbox placement tests that you've performed, regardless of their statuses. For predictive inbox placement tests that are complete, you can use the `GetDeliverabilityTestReport` operation to view the results.

Request Syntax

```
GET /v2/email/deliverability-dashboard/test-reports?
NextToken=NextToken&PageSize=PageSize HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

NextToken

A token returned from a previous call to `ListDeliverabilityTestReports` to indicate the position in the list of predictive inbox placement tests.

PageSize

The number of results to show in a single call to `ListDeliverabilityTestReports`. If the number of results is larger than the number you specified in this parameter, then the response includes a `NextToken` element, which you can use to obtain additional results.

The value you specify has to be at least 0, and can be no more than 1000.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "DeliverabilityTestReports": [
      {
```

```
            "CreateDate": number,
            "DeliverabilityTestStatus": "string",
            "FromEmailAddress": "string",
            "ReportId": "string",
            "ReportName": "string",
            "Subject": "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.

DeliverabilityTestReports

An object that contains a lists of predictive inbox placement tests that you've performed.

Type: Array of DeliverabilityTestReport objects

NextToken

A token that indicates that there are additional predictive inbox placement tests to list. To view additional predictive inbox placement tests, issue another request to `ListDeliverabilityTestReports`, and pass this token in the `NextToken` parameter.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListDomainDeliverabilityCampaigns

Retrieve deliverability data for all the campaigns that used a specific domain to send email during a specified time range. This data is available for a domain only if you enabled the Deliverability dashboard for the domain.

Request Syntax

```
GET /v2/email/deliverability-dashboard/domains/SubscribedDomain/campaigns?
EndDate=EndDate&NextToken=NextToken&PageSize=PageSize&StartDate=StartDate HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EndDate

The last day that you want to obtain deliverability data for. This value has to be less than or equal to 30 days after the value of the `StartDate` parameter.

Required: Yes

NextToken

A token that's returned from a previous call to the `ListDomainDeliverabilityCampaigns` operation. This token indicates the position of a campaign in the list of campaigns.

PageSize

The maximum number of results to include in response to a single call to the `ListDomainDeliverabilityCampaigns` operation. If the number of results is larger than the number that you specify in this parameter, the response includes a `NextToken` element, which you can use to obtain additional results.

StartDate

The first day that you want to obtain deliverability data for.

Required: Yes

SubscribedDomain

The domain to obtain deliverability data for.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "DomainDeliverabilityCampaigns": [
      {
         "CampaignId": "string",
         "DeleteRate": number,
         "Esps": [ "string" ],
         "FirstSeenDateTime": number,
         "FromAddress": "string",
         "ImageUrl": "string",
         "InboxCount": number,
         "LastSeenDateTime": number,
         "ProjectedVolume": number,
         "ReadDeleteRate": number,
         "ReadRate": number,
         "SendingIps": [ "string" ],
         "SpamCount": number,
         "Subject": "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.

DomainDeliverabilityCampaigns

An array of responses, one for each campaign that used the domain to send email during the specified time range.

Type: Array of DomainDeliverabilityCampaign objects

NextToken

A token that's returned from a previous call to the `ListDomainDeliverabilityCampaigns` operation. This token indicates the position of the campaign in the list of campaigns.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListEmailIdentities

Returns a list of all of the email identities that are associated with your AWS account. An identity can be either an email address or a domain. This operation returns identities that are verified as well as those that aren't. This operation returns identities that are associated with Amazon SES and Amazon Pinpoint.

Request Syntax

```
GET /v2/email/identities?NextToken=NextToken&PageSize=PageSize HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

NextToken

A token returned from a previous call to `ListEmailIdentities` to indicate the position in the list of identities.

PageSize

The number of results to show in a single call to `ListEmailIdentities`. If the number of results is larger than the number you specified in this parameter, then the response includes a `NextToken` element, which you can use to obtain additional results.

The value you specify has to be at least 0, and can be no more than 1000.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "EmailIdentities": [
```

```
      {
         "IdentityName": "string",
         "IdentityType": "string",
         "SendingEnabled": boolean,
         "VerificationStatus": "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.

EmailIdentities

An array that includes all of the email identities associated with your AWS account.

Type: Array of IdentityInfo objects

NextToken

A token that indicates that there are additional configuration sets to list. To view additional configuration sets, issue another request to `ListEmailIdentities`, and pass this token in the `NextToken` parameter.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListEmailTemplates

Lists the email templates present in your Amazon SES account in the current AWS Region.

You can execute this operation no more than once per second.

Request Syntax

```
GET /v2/email/templates?NextToken=NextToken&PageSize=PageSize HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

NextToken

A token returned from a previous call to `ListEmailTemplates` to indicate the position in the list of email templates.

PageSize

The number of results to show in a single call to `ListEmailTemplates`. If the number of results is larger than the number you specified in this parameter, then the response includes a `NextToken` element, which you can use to obtain additional results.

The value you specify has to be at least 1, and can be no more than 100.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "NextToken": "string",
   "TemplatesMetadata": [
```

```
      {
         "CreatedTimestamp": number,
         "TemplateName": "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

A token indicating that there are additional email templates available to be listed. Pass this token to a subsequent `ListEmailTemplates` call to retrieve the next 10 email templates.

Type: String

TemplatesMetadata

An array the contains the name and creation time stamp for each template in your Amazon SES account.

Type: Array of EmailTemplateMetadata objects

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListExportJobs

Lists all of the export jobs.

Request Syntax

```
POST /v2/email/list-export-jobs HTTP/1.1
Content-type: application/json

{
   "ExportSourceType": "string",
   "JobStatus": "string",
   "NextToken": "string",
   "PageSize": number
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ExportSourceType

A value used to list export jobs that have a certain `ExportSourceType`.

Type: String

Valid Values: `METRICS_DATA | MESSAGE_INSIGHTS`

Required: No

JobStatus

A value used to list export jobs that have a certain `JobStatus`.

Type: String

Valid Values: `CREATED | PROCESSING | COMPLETED | FAILED | CANCELLED`

Required: No

NextToken

The pagination token returned from a previous call to `ListExportJobs` to indicate the position in the list of export jobs.

Type: String

Required: No

PageSize

Maximum number of export jobs to return at once. Use this parameter to paginate results. If additional export jobs exist beyond the specified limit, the `NextToken` element is sent in the response. Use the `NextToken` value in subsequent calls to `ListExportJobs` to retrieve additional export jobs.

Type: Integer

Required: No

Response Syntax

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

{
   "ExportJobs": [
      {
         "CompletedTimestamp": number,
         "CreatedTimestamp": number,
         "ExportSourceType": "string",
         "JobId": "string",
         "JobStatus": "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.

ExportJobs

A list of the export job summaries.

Type: Array of ExportJobSummary objects

NextToken

A string token indicating that there might be additional export jobs available to be listed. Use this token to a subsequent call to `ListExportJobs` with the same parameters to retrieve the next page of export jobs.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListImportJobs

Lists all of the import jobs.

Request Syntax

```
GET /v2/email/import-jobs?NextToken=NextToken&PageSize=PageSize HTTP/1.1
Content-type: application/json

{
   "ImportDestinationType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

NextToken

A string token indicating that there might be additional import jobs available to be listed. Copy this token to a subsequent call to `ListImportJobs` with the same parameters to retrieve the next page of import jobs.

PageSize

Maximum number of import jobs to return at once. Use this parameter to paginate results. If additional import jobs exist beyond the specified limit, the `NextToken` element is sent in the response. Use the `NextToken` value in subsequent requests to retrieve additional addresses.

Request Body

The request accepts the following data in JSON format.

ImportDestinationType

The destination of the import job, which can be used to list import jobs that have a certain `ImportDestinationType`.

Type: String

Valid Values: SUPPRESSION_LIST | CONTACT_LIST

Required: No

Response Syntax

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

{
   "ImportJobs": [
      {
         "CreatedTimestamp": number,
         "FailedRecordsCount": number,
         "ImportDestination": {
            "ContactListDestination": {
               "ContactListImportAction": "string",
               "ContactListName": "string"
            },
            "SuppressionListDestination": {
               "SuppressionListImportAction": "string"
            }
         },
         "JobId": "string",
         "JobStatus": "string",
         "ProcessedRecordsCount": number
      }
   ],
   "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.

ImportJobs

A list of the import job summaries.

Type: Array of ImportJobSummary objects

NextToken

A string token indicating that there might be additional import jobs available to be listed. Copy this token to a subsequent call to `ListImportJobs` with the same parameters to retrieve the next page of import jobs.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListRecommendations

Lists the recommendations present in your Amazon SES account in the current AWS Region.

You can execute this operation no more than once per second.

Request Syntax

```
POST /v2/email/vdm/recommendations HTTP/1.1
Content-type: application/json

{
   "Filter": {
      "string" : "string"
   },
   "NextToken": "string",
   "PageSize": number
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Filter

Filters applied when retrieving recommendations. Can eiter be an individual filter, or combinations of `STATUS` and `IMPACT` or `STATUS` and `TYPE`

Type: String to string map

Map Entries: Maximum number of 2 items.

Valid Keys: `TYPE | IMPACT | STATUS | RESOURCE_ARN`

Value Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

NextToken

A token returned from a previous call to `ListRecommendations` to indicate the position in the list of recommendations.

Type: String

Required: No

PageSize

The number of results to show in a single call to `ListRecommendations`. If the number of results is larger than the number you specified in this parameter, then the response includes a `NextToken` element, which you can use to obtain additional results.

The value you specify has to be at least 1, and can be no more than 100.

Type: Integer

Required: No

Response Syntax

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

{
   "NextToken": "string",
   "Recommendations": [
      {
         "CreatedTimestamp": number,
         "Description": "string",
         "Impact": "string",
         "LastUpdatedTimestamp": number,
         "ResourceArn": "string",
         "Status": "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.

NextToken

A string token indicating that there might be additional recommendations available to be listed. Use the token provided in the `ListRecommendationsResponse` to use in the subsequent call to `ListRecommendations` with the same parameters to retrieve the next page of recommendations.

Type: String

Recommendations

The recommendations applicable to your account.

Type: Array of Recommendation objects

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListSuppressedDestinations

Retrieves a list of email addresses that are on the suppression list for your account.

Request Syntax

```
GET /v2/email/suppression/addresses?
EndDate=EndDate&NextToken=NextToken&PageSize=PageSize&Reason=Reasons&StartDate=StartDate
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

EndDate

Used to filter the list of suppressed email destinations so that it only includes addresses that were added to the list before a specific date.

NextToken

A token returned from a previous call to `ListSuppressedDestinations` to indicate the position in the list of suppressed email addresses.

PageSize

The number of results to show in a single call to `ListSuppressedDestinations`. If the number of results is larger than the number you specified in this parameter, then the response includes a `NextToken` element, which you can use to obtain additional results.

Reasons

The factors that caused the email address to be added to .

Valid Values: `BOUNCE | COMPLAINT`

StartDate

Used to filter the list of suppressed email destinations so that it only includes addresses that were added to the list after a specific date.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "NextToken": "string",
   "SuppressedDestinationSummaries": [
      {
         "EmailAddress": "string",
         "LastUpdateTime": number,
         "Reason": "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

A token that indicates that there are additional email addresses on the suppression list for your account. To view additional suppressed addresses, issue another request to `ListSuppressedDestinations`, and pass this token in the `NextToken` parameter.

Type: String

SuppressedDestinationSummaries

A list of summaries, each containing a summary for a suppressed email destination.

Type: Array of SuppressedDestinationSummary objects

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InvalidNextTokenException

The specified request includes an invalid or expired token.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListTagsForResource

Retrieve a list of the tags (keys and values) that are associated with a specified resource. A *tag* is a label that you optionally define and associate with a resource. Each tag consists of a required *tag key* and an optional associated *tag value*. A tag key is a general label that acts as a category for more specific tag values. A tag value acts as a descriptor within a tag key.

Request Syntax

```
GET /v2/email/tags?ResourceArn=ResourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

The Amazon Resource Name (ARN) of the resource that you want to retrieve tag information for.

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

An array that lists all the tags that are associated with the resource. Each tag consists of a required tag key (`Key`) and an associated tag value (`Value`)

Type: Array of Tag objects

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutAccountDedicatedIpWarmupAttributes

Enable or disable the automatic warm-up feature for dedicated IP addresses.

Request Syntax

```
PUT /v2/email/account/dedicated-ips/warmup HTTP/1.1
Content-type: application/json

{
   "AutoWarmupEnabled": boolean
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AutoWarmupEnabled

Enables or disables the automatic warm-up feature for dedicated IP addresses that are associated with your Amazon SES account in the current AWS Region. Set to `true` to enable the automatic warm-up feature, or set to `false` to disable it.

Type: Boolean

Required: No

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 you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutAccountDetails

Update your Amazon SES account details.

Request Syntax

```
POST /v2/email/account/details HTTP/1.1
Content-type: application/json

{
   "AdditionalContactEmailAddresses": [ "string" ],
   "ContactLanguage": "string",
   "MailType": "string",
   "ProductionAccessEnabled": boolean,
   "UseCaseDescription": "string",
   "WebsiteURL": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AdditionalContactEmailAddresses

Additional email addresses that you would like to be notified regarding Amazon SES matters.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 4 items.

Length Constraints: Minimum length of 6. Maximum length of 254.

Pattern: `^(.+)@(.+)$`

Required: No

ContactLanguage

The language you would prefer to be contacted with.

Type: String

Valid Values: `EN` | `JA`

Required: No

MailType

The type of email your account will send.

Type: String

Valid Values: `MARKETING` | `TRANSACTIONAL`

Required: Yes

ProductionAccessEnabled

Indicates whether or not your account should have production access in the current AWS Region.

If the value is `false`, then your account is in the *sandbox*. When your account is in the sandbox, you can only send email to verified identities.

If the value is `true`, then your account has production access. When your account has production access, you can send email to any address. The sending quota and maximum sending rate for your account vary based on your specific use case.

Type: Boolean

Required: No

UseCaseDescription

A description of the types of email that you plan to send.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5000.

Required: Yes

WebsiteURL

The URL of your website. This information helps us better understand the type of content that you plan to send.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `^(([^:/?#]+):)?(//([^/?#]*))?([^?#]*)(\?([^#]*))?(#(.*))?`

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 you provided is invalid.

HTTP Status Code: 400

ConflictException

If there is already an ongoing account details update under review.

HTTP Status Code: 409

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutAccountSendingAttributes

Enable or disable the ability of your account to send email.

Request Syntax

```
PUT /v2/email/account/sending HTTP/1.1
Content-type: application/json

{
   "SendingEnabled": boolean
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

SendingEnabled

Enables or disables your account's ability to send email. Set to `true` to enable email sending, or set to `false` to disable email sending.

> **Note**
>
> If AWS paused your account's ability to send email, you can't use this operation to resume your account's ability to send email.

Type: Boolean

Required: No

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 you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutAccountSuppressionAttributes

Change the settings for the account-level suppression list.

Request Syntax

```
PUT /v2/email/account/suppression HTTP/1.1
Content-type: application/json

{
   "SuppressedReasons": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

SuppressedReasons

A list that contains the reasons that email addresses will be automatically added to the suppression list for your account. This list can contain any or all of the following:

- `COMPLAINT` – Amazon SES adds an email address to the suppression list for your account when a message sent to that address results in a complaint.
- `BOUNCE` – Amazon SES adds an email address to the suppression list for your account when a message sent to that address results in a hard bounce.

Type: Array of strings

Valid Values: `BOUNCE | COMPLAINT`

Required: No

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 you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutAccountVdmAttributes

Update your Amazon SES account VDM attributes.

You can execute this operation no more than once per second.

Request Syntax

```
PUT /v2/email/account/vdm HTTP/1.1
Content-type: application/json

{
   "VdmAttributes": {
      "DashboardAttributes": {
         "EngagementMetrics": "string"
      },
      "GuardianAttributes": {
         "OptimizedSharedDelivery": "string"
      },
      "VdmEnabled": "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

VdmAttributes

The VDM attributes that you wish to apply to your Amazon SES account.

Type: VdmAttributes 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 you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutConfigurationSetDeliveryOptions

Associate a configuration set with a dedicated IP pool. You can use dedicated IP pools to create groups of dedicated IP addresses for sending specific types of email.

Request Syntax

```
PUT /v2/email/configuration-sets/ConfigurationSetName/delivery-options HTTP/1.1
Content-type: application/json

{
   "SendingPoolName": "string",
   "TlsPolicy": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

ConfigurationSetName

The name of the configuration set to associate with a dedicated IP pool.

Required: Yes

Request Body

The request accepts the following data in JSON format.

SendingPoolName

The name of the dedicated IP pool to associate with the configuration set.

Type: String

Required: No

TlsPolicy

Specifies whether messages that use the configuration set are required to use Transport Layer Security (TLS). If the value is `Require`, messages are only delivered if a TLS connection can

be established. If the value is `Optional`, messages can be delivered in plain text if a TLS connection can't be established.

Type: String

Valid Values: `REQUIRE | OPTIONAL`

Required: No

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutConfigurationSetReputationOptions

Enable or disable collection of reputation metrics for emails that you send using a particular configuration set in a specific AWS Region.

Request Syntax

```
PUT /v2/email/configuration-sets/ConfigurationSetName/reputation-options HTTP/1.1
Content-type: application/json

{
   "ReputationMetricsEnabled": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

ConfigurationSetName

The name of the configuration set.

Required: Yes

Request Body

The request accepts the following data in JSON format.

ReputationMetricsEnabled

If `true`, tracking of reputation metrics is enabled for the configuration set. If `false`, tracking of reputation metrics is disabled for the configuration set.

Type: Boolean

Required: No

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutConfigurationSetSendingOptions

Enable or disable email sending for messages that use a particular configuration set in a specific AWS Region.

Request Syntax

```
PUT /v2/email/configuration-sets/ConfigurationSetName/sending HTTP/1.1
Content-type: application/json

{
   "SendingEnabled": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

ConfigurationSetName

The name of the configuration set to enable or disable email sending for.

Required: Yes

Request Body

The request accepts the following data in JSON format.

SendingEnabled

If `true`, email sending is enabled for the configuration set. If `false`, email sending is disabled for the configuration set.

Type: Boolean

Required: No

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutConfigurationSetSuppressionOptions

Specify the account suppression list preferences for a configuration set.

Request Syntax

```
PUT /v2/email/configuration-sets/ConfigurationSetName/suppression-options HTTP/1.1
Content-type: application/json

{
   "SuppressedReasons": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

ConfigurationSetName

The name of the configuration set to change the suppression list preferences for.

Required: Yes

Request Body

The request accepts the following data in JSON format.

SuppressedReasons

A list that contains the reasons that email addresses are automatically added to the suppression list for your account. This list can contain any or all of the following:

- `COMPLAINT` – Amazon SES adds an email address to the suppression list for your account when a message sent to that address results in a complaint.
- `BOUNCE` – Amazon SES adds an email address to the suppression list for your account when a message sent to that address results in a hard bounce.

Type: Array of strings

Valid Values: `BOUNCE | COMPLAINT`

Required: No

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutConfigurationSetTrackingOptions

Specify a custom domain to use for open and click tracking elements in email that you send.

Request Syntax

```
PUT /v2/email/configuration-sets/ConfigurationSetName/tracking-options HTTP/1.1
Content-type: application/json

{
   "CustomRedirectDomain": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

ConfigurationSetName

The name of the configuration set.

Required: Yes

Request Body

The request accepts the following data in JSON format.

CustomRedirectDomain

The domain to use to track open and click events.

Type: String

Required: No

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutConfigurationSetVdmOptions

Specify VDM preferences for email that you send using the configuration set.

You can execute this operation no more than once per second.

Request Syntax

```
PUT /v2/email/configuration-sets/ConfigurationSetName/vdm-options HTTP/1.1
Content-type: application/json

{
   "VdmOptions": {
      "DashboardOptions": {
         "EngagementMetrics": "string"
      },
      "GuardianOptions": {
         "OptimizedSharedDelivery": "string"
      }
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

ConfigurationSetName

The name of the configuration set.

Required: Yes

Request Body

The request accepts the following data in JSON format.

VdmOptions

The VDM options to apply to the configuration set.

Type: VdmOptions object

Required: No

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutDedicatedIpInPool

Move a dedicated IP address to an existing dedicated IP pool.

> **Note**
>
> The dedicated IP address that you specify must already exist, and must be associated with your AWS account.
>
> The dedicated IP pool you specify must already exist. You can create a new pool by using the `CreateDedicatedIpPool` operation.

Request Syntax

```
PUT /v2/email/dedicated-ips/IP/pool HTTP/1.1
Content-type: application/json

{
   "DestinationPoolName": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

IP

The IP address that you want to move to the dedicated IP pool. The value you specify has to be a dedicated IP address that's associated with your AWS account.

Required: Yes

Request Body

The request accepts the following data in JSON format.

DestinationPoolName

The name of the IP pool that you want to add the dedicated IP address to. You have to specify an IP pool that already exists.

Type: String

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutDedicatedIpPoolScalingAttributes

Used to convert a dedicated IP pool to a different scaling mode.

> **Note**
>
> MANAGED pools cannot be converted to STANDARD scaling mode.

Request Syntax

```
PUT /v2/email/dedicated-ip-pools/PoolName/scaling HTTP/1.1
Content-type: application/json

{
   "ScalingMode": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

PoolName

The name of the dedicated IP pool.

Required: Yes

Request Body

The request accepts the following data in JSON format.

ScalingMode

The scaling mode to apply to the dedicated IP pool.

> **Note**
>
> Changing the scaling mode from MANAGED to STANDARD is not supported.

Type: String

Valid Values: `STANDARD | MANAGED`

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 you provided is invalid.

HTTP Status Code: 400

ConcurrentModificationException

The resource is being modified by another operation or thread.

HTTP Status Code: 500

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutDedicatedIpWarmupAttributes

Request Syntax

```
PUT /v2/email/dedicated-ips/IP/warmup HTTP/1.1
Content-type: application/json

{
   "WarmupPercentage": number
}
```

URI Request Parameters

The request uses the following URI parameters.

IP

The dedicated IP address that you want to update the warm-up attributes for.

Required: Yes

Request Body

The request accepts the following data in JSON format.

WarmupPercentage

The warm-up percentage that you want to associate with the dedicated IP address.

Type: Integer

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutDeliverabilityDashboardOption

Enable or disable the Deliverability dashboard. When you enable the Deliverability dashboard, you gain access to reputation, deliverability, and other metrics for the domains that you use to send email. You also gain the ability to perform predictive inbox placement tests.

When you use the Deliverability dashboard, you pay a monthly subscription charge, in addition to any other fees that you accrue by using Amazon SES and other AWS services. For more information about the features and cost of a Deliverability dashboard subscription, see Amazon SES Pricing.

Request Syntax

```
PUT /v2/email/deliverability-dashboard HTTP/1.1
Content-type: application/json

{
   "DashboardEnabled": boolean,
   "SubscribedDomains": [
      {
         "Domain": "string",
         "InboxPlacementTrackingOption": {
            "Global": boolean,
            "TrackedIsps": [ "string" ]
         },
         "SubscriptionStartDate": number
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

DashboardEnabled

Specifies whether to enable the Deliverability dashboard. To enable the dashboard, set this value to `true`.

Type: Boolean

Required: Yes

SubscribedDomains

An array of objects, one for each verified domain that you use to send email and enabled the Deliverability dashboard for.

Type: Array of DomainDeliverabilityTrackingOption objects

Required: No

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.

AlreadyExistsException

The resource specified in your request already exists.

HTTP Status Code: 400

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutEmailIdentityConfigurationSetAttributes

Used to associate a configuration set with an email identity.

Request Syntax

```
PUT /v2/email/identities/EmailIdentity/configuration-set HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

EmailIdentity

The email address or domain to associate with a configuration set.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request accepts the following data in JSON format.

ConfigurationSetName

The configuration set to associate with an email identity.

Type: String

Required: No

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutEmailIdentityDkimAttributes

Used to enable or disable DKIM authentication for an email identity.

Request Syntax

```
PUT /v2/email/identities/EmailIdentity/dkim HTTP/1.1
Content-type: application/json

{
   "SigningEnabled": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

EmailIdentity

The email identity.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request accepts the following data in JSON format.

SigningEnabled

Sets the DKIM signing configuration for the identity.

When you set this value `true`, then the messages that are sent from the identity are signed using DKIM. If you set this value to `false`, your messages are sent without DKIM signing.

Type: Boolean

Required: No

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2

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

PutEmailIdentityDkimSigningAttributes

Used to configure or change the DKIM authentication settings for an email domain identity. You can use this operation to do any of the following:

- Update the signing attributes for an identity that uses Bring Your Own DKIM (BYODKIM).
- Update the key length that should be used for Easy DKIM.
- Change from using no DKIM authentication to using Easy DKIM.
- Change from using no DKIM authentication to using BYODKIM.
- Change from using Easy DKIM to using BYODKIM.
- Change from using BYODKIM to using Easy DKIM.

Request Syntax

```
PUT /v1/email/identities/EmailIdentity/dkim/signing HTTP/1.1
Content-type: application/json

{
   "SigningAttributes": {
      "DomainSigningPrivateKey": "string",
      "DomainSigningSelector": "string",
      "NextSigningKeyLength": "string"
   },
   "SigningAttributesOrigin": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

EmailIdentity

The email identity.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request accepts the following data in JSON format.

SigningAttributes

An object that contains information about the private key and selector that you want to use to configure DKIM for the identity for Bring Your Own DKIM (BYODKIM) for the identity, or, configures the key length to be used for Easy DKIM.

Type: DkimSigningAttributes object

Required: No

SigningAttributesOrigin

The method to use to configure DKIM for the identity. There are the following possible values:

- `AWS_SES` – Configure DKIM for the identity by using Easy DKIM.
- `EXTERNAL` – Configure DKIM for the identity by using Bring Your Own DKIM (BYODKIM).

Type: String

Valid Values: `AWS_SES | EXTERNAL`

Required: Yes

Response Syntax

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

{
   "DkimStatus": "string",
   "DkimTokens": [ "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.

DkimStatus

The DKIM authentication status of the identity. Amazon SES determines the authentication status by searching for specific records in the DNS configuration for your domain. If you used Easy DKIM to set up DKIM authentication, Amazon SES tries to find three unique CNAME records in the DNS configuration for your domain.

If you provided a public key to perform DKIM authentication, Amazon SES tries to find a TXT record that uses the selector that you specified. The value of the TXT record must be a public key that's paired with the private key that you specified in the process of creating the identity.

The status can be one of the following:

- `PENDING` – The verification process was initiated, but Amazon SES hasn't yet detected the DKIM records in the DNS configuration for the domain.
- `SUCCESS` – The verification process completed successfully.
- `FAILED` – The verification process failed. This typically occurs when Amazon SES fails to find the DKIM records in the DNS configuration of the domain.
- `TEMPORARY_FAILURE` – A temporary issue is preventing Amazon SES from determining the DKIM authentication status of the domain.
- `NOT_STARTED` – The DKIM verification process hasn't been initiated for the domain.

Type: String

Valid Values: `PENDING | SUCCESS | FAILED | TEMPORARY_FAILURE | NOT_STARTED`

DkimTokens

If you used Easy DKIM to configure DKIM authentication for the domain, then this object contains a set of unique strings that you use to create a set of CNAME records that you add to the DNS configuration for your domain. When Amazon SES detects these records in the DNS configuration for your domain, the DKIM authentication process is complete.

If you configured DKIM authentication for the domain by providing your own public-private key pair, then this object contains the selector that's associated with your public key.

Regardless of the DKIM authentication method you use, Amazon SES searches for the appropriate records in the DNS configuration of the domain for up to 72 hours.

Type: Array of strings

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutEmailIdentityFeedbackAttributes

Used to enable or disable feedback forwarding for an identity. This setting determines what happens when an identity is used to send an email that results in a bounce or complaint event.

If the value is `true`, you receive email notifications when bounce or complaint events occur. These notifications are sent to the address that you specified in the `Return-Path` header of the original email.

You're required to have a method of tracking bounces and complaints. If you haven't set up another mechanism for receiving bounce or complaint notifications (for example, by setting up an event destination), you receive an email notification when these events occur (even if this setting is disabled).

Request Syntax

```
PUT /v2/email/identities/EmailIdentity/feedback HTTP/1.1
Content-type: application/json

{
   "EmailForwardingEnabled": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

EmailIdentity

The email identity.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request accepts the following data in JSON format.

EmailForwardingEnabled

Sets the feedback forwarding configuration for the identity.

If the value is `true`, you receive email notifications when bounce or complaint events occur. These notifications are sent to the address that you specified in the `Return-Path` header of the original email.

You're required to have a method of tracking bounces and complaints. If you haven't set up another mechanism for receiving bounce or complaint notifications (for example, by setting up an event destination), you receive an email notification when these events occur (even if this setting is disabled).

Type: Boolean

Required: No

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutEmailIdentityMailFromAttributes

Used to enable or disable the custom Mail-From domain configuration for an email identity.

Request Syntax

```
PUT /v2/email/identities/EmailIdentity/mail-from HTTP/1.1
Content-type: application/json

{
   "BehaviorOnMxFailure": "string",
   "MailFromDomain": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

EmailIdentity

The verified email identity.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request accepts the following data in JSON format.

BehaviorOnMxFailure

The action to take if the required MX record isn't found when you send an email. When you set this value to `UseDefaultValue`, the mail is sent using *amazonses.com* as the MAIL FROM domain. When you set this value to `RejectMessage`, the Amazon SES API v2 returns a `MailFromDomainNotVerified` error, and doesn't attempt to deliver the email.

These behaviors are taken when the custom MAIL FROM domain configuration is in the `Pending`, `Failed`, and `TemporaryFailure` states.

Type: String

Valid Values: `USE_DEFAULT_VALUE | REJECT_MESSAGE`

Required: No

MailFromDomain

The custom MAIL FROM domain that you want the verified identity to use. The MAIL FROM domain must meet the following criteria:

- It has to be a subdomain of the verified identity.
- It can't be used to receive email.
- It can't be used in a "From" address if the MAIL FROM domain is a destination for feedback forwarding emails.

Type: String

Required: No

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutSuppressedDestination

Adds an email address to the suppression list for your account.

Request Syntax

```
PUT /v2/email/suppression/addresses HTTP/1.1
Content-type: application/json

{
   "EmailAddress": "string",
   "Reason": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

EmailAddress

The email address that should be added to the suppression list for your account.

Type: String

Required: Yes

Reason

The factors that should cause the email address to be added to the suppression list for your account.

Type: String

Valid Values: `BOUNCE | COMPLAINT`

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 you provided is invalid.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

SendBulkEmail

Composes an email message to multiple destinations.

Request Syntax

```
POST /v2/email/outbound-bulk-emails HTTP/1.1
Content-type: application/json

{
   "BulkEmailEntries": [
      {
         "Destination": {
            "BccAddresses": [ "string" ],
            "CcAddresses": [ "string" ],
            "ToAddresses": [ "string" ]
         },
         "ReplacementEmailContent": {
            "ReplacementTemplate": {
               "ReplacementTemplateData": "string"
            }
         },
         "ReplacementTags": [
            {
               "Name": "string",
               "Value": "string"
            }
         ]
      }
   ],
   "ConfigurationSetName": "string",
   "DefaultContent": {
      "Template": {
         "Headers": [
            {
               "Name": "string",
               "Value": "string"
            }
         ],
         "TemplateArn": "string",
         "TemplateData": "string",
         "TemplateName": "string"
      }
```

```
   },
   "DefaultEmailTags": [
      {
         "Name": "string",
         "Value": "string"
      }
   ],
   "FeedbackForwardingEmailAddress": "string",
   "FeedbackForwardingEmailAddressIdentityArn": "string",
   "FromEmailAddress": "string",
   "FromEmailAddressIdentityArn": "string",
   "ReplyToAddresses": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

BulkEmailEntries

The list of bulk email entry objects.

Type: Array of BulkEmailEntry objects

Required: Yes

ConfigurationSetName

The name of the configuration set to use when sending the email.

Type: String

Required: No

DefaultContent

An object that contains the body of the message. You can specify a template message.

Type: BulkEmailContent object

Required: Yes

DefaultEmailTags

A list of tags, in the form of name/value pairs, to apply to an email that you send using the `SendEmail` operation. Tags correspond to characteristics of the email that you define, so that you can publish email sending events.

Type: Array of MessageTag objects

Required: No

FeedbackForwardingEmailAddress

The address that you want bounce and complaint notifications to be sent to.

Type: String

Required: No

FeedbackForwardingEmailAddressIdentityArn

This parameter is used only for sending authorization. It is the ARN of the identity that is associated with the sending authorization policy that permits you to use the email address specified in the `FeedbackForwardingEmailAddress` parameter.

For example, if the owner of example.com (which has ARN arn:aws:ses:us-east-1:123456789012:identity/example.com) attaches a policy to it that authorizes you to use feedback@example.com, then you would specify the `FeedbackForwardingEmailAddressIdentityArn` to be arn:aws:ses:us-east-1:123456789012:identity/example.com, and the `FeedbackForwardingEmailAddress` to be feedback@example.com.

For more information about sending authorization, see the Amazon SES Developer Guide.

Type: String

Required: No

FromEmailAddress

The email address to use as the "From" address for the email. The address that you specify has to be verified.

Type: String

Required: No

FromEmailAddressIdentityArn

This parameter is used only for sending authorization. It is the ARN of the identity that is associated with the sending authorization policy that permits you to use the email address specified in the `FromEmailAddress` parameter.

For example, if the owner of example.com (which has ARN arn:aws:ses:us-east-1:123456789012:identity/example.com) attaches a policy to it that authorizes you to use sender@example.com, then you would specify the `FromEmailAddressIdentityArn` to be arn:aws:ses:us-east-1:123456789012:identity/example.com, and the `FromEmailAddress` to be sender@example.com.

For more information about sending authorization, see the Amazon SES Developer Guide.

Type: String

Required: No

ReplyToAddresses

The "Reply-to" email addresses for the message. When the recipient replies to the message, each Reply-to address receives the reply.

Type: Array of strings

Required: No

Response Syntax

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

{
   "BulkEmailEntryResults": [
      {
         "Error": "string",
         "MessageId": "string",
         "Status": "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.

BulkEmailEntryResults

One object per intended recipient. Check each response object and retry any messages with a failure status.

Type: Array of BulkEmailEntryResult objects

Errors

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

AccountSuspendedException

The message can't be sent because the account's ability to send email has been permanently restricted.

HTTP Status Code: 400

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

MailFromDomainNotVerifiedException

The message can't be sent because the sending domain isn't verified.

HTTP Status Code: 400

MessageRejected

The message can't be sent because it contains invalid content.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

SendingPausedException

The message can't be sent because the account's ability to send email is currently paused.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

SendCustomVerificationEmail

Adds an email address to the list of identities for your Amazon SES account in the current AWS Region and attempts to verify it. As a result of executing this operation, a customized verification email is sent to the specified address.

To use this operation, you must first create a custom verification email template. For more information about creating and using custom verification email templates, see Using custom verification email templates in the *Amazon SES Developer Guide*.

You can execute this operation no more than once per second.

Request Syntax

```
POST /v2/email/outbound-custom-verification-emails HTTP/1.1
Content-type: application/json

{
   "ConfigurationSetName": "string",
   "EmailAddress": "string",
   "TemplateName": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ConfigurationSetName

Name of a configuration set to use when sending the verification email.

Type: String

Required: No

EmailAddress

The email address to verify.

Type: String

Required: Yes

TemplateName

The name of the custom verification email template to use when sending the verification email.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Response Syntax

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

{
   "MessageId": "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.

MessageId

The unique message identifier returned from the `SendCustomVerificationEmail` operation.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

MailFromDomainNotVerifiedException

The message can't be sent because the sending domain isn't verified.

HTTP Status Code: 400

MessageRejected

The message can't be sent because it contains invalid content.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

SendingPausedException

The message can't be sent because the account's ability to send email is currently paused.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

SendEmail

Sends an email message. You can use the Amazon SES API v2 to send the following types of messages:

- **Simple** – A standard email message. When you create this type of message, you specify the sender, the recipient, and the message body, and Amazon SES assembles the message for you.
- **Raw** – A raw, MIME-formatted email message. When you send this type of email, you have to specify all of the message headers, as well as the message body. You can use this message type to send messages that contain attachments. The message that you specify has to be a valid MIME message.
- **Templated** – A message that contains personalization tags. When you send this type of email, Amazon SES API v2 automatically replaces the tags with values that you specify.

Request Syntax

```
POST /v2/email/outbound-emails HTTP/1.1
Content-type: application/json

{
   "ConfigurationSetName": "string",
   "Content": {
      "Raw": {
         "Data": blob
      },
      "Simple": {
         "Body": {
            "Html": {
               "Charset": "string",
               "Data": "string"
            },
            "Text": {
               "Charset": "string",
               "Data": "string"
            }
         },
         "Headers": [
            {
               "Name": "string",
               "Value": "string"
```

```
            }
         ],
         "Subject": {
            "Charset": "string",
            "Data": "string"
         }
      },
      "Template": {
         "Headers": [
            {
               "Name": "string",
               "Value": "string"
            }
         ],
         "TemplateArn": "string",
         "TemplateData": "string",
         "TemplateName": "string"
      }
   },
   "Destination": {
      "BccAddresses": [ "string" ],
      "CcAddresses": [ "string" ],
      "ToAddresses": [ "string" ]
   },
   "EmailTags": [
      {
         "Name": "string",
         "Value": "string"
      }
   ],
   "FeedbackForwardingEmailAddress": "string",
   "FeedbackForwardingEmailAddressIdentityArn": "string",
   "FromEmailAddress": "string",
   "FromEmailAddressIdentityArn": "string",
   "ListManagementOptions": {
      "ContactListName": "string",
      "TopicName": "string"
   },
   "ReplyToAddresses": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ConfigurationSetName

The name of the configuration set to use when sending the email.

Type: String

Required: No

Content

An object that contains the body of the message. You can send either a Simple message, Raw message, or a Templated message.

Type: EmailContent object

Required: Yes

Destination

An object that contains the recipients of the email message.

Type: Destination object

Required: No

EmailTags

A list of tags, in the form of name/value pairs, to apply to an email that you send using the `SendEmail` operation. Tags correspond to characteristics of the email that you define, so that you can publish email sending events.

Type: Array of MessageTag objects

Required: No

FeedbackForwardingEmailAddress

The address that you want bounce and complaint notifications to be sent to.

Type: String

Required: No

FeedbackForwardingEmailAddressIdentityArn

This parameter is used only for sending authorization. It is the ARN of the identity that is associated with the sending authorization policy that permits you to use the email address specified in the `FeedbackForwardingEmailAddress` parameter.

For example, if the owner of example.com (which has ARN arn:aws:ses:us-east-1:123456789012:identity/example.com) attaches a policy to it that authorizes you to use feedback@example.com, then you would specify the `FeedbackForwardingEmailAddressIdentityArn` to be arn:aws:ses:us-east-1:123456789012:identity/example.com, and the `FeedbackForwardingEmailAddress` to be feedback@example.com.

For more information about sending authorization, see the Amazon SES Developer Guide.

Type: String

Required: No

FromEmailAddress

The email address to use as the "From" address for the email. The address that you specify has to be verified.

Type: String

Required: No

FromEmailAddressIdentityArn

This parameter is used only for sending authorization. It is the ARN of the identity that is associated with the sending authorization policy that permits you to use the email address specified in the `FromEmailAddress` parameter.

For example, if the owner of example.com (which has ARN arn:aws:ses:us-east-1:123456789012:identity/example.com) attaches a policy to it that authorizes you to use sender@example.com, then you would specify the `FromEmailAddressIdentityArn` to be arn:aws:ses:us-east-1:123456789012:identity/example.com, and the `FromEmailAddress` to be sender@example.com.

For more information about sending authorization, see the Amazon SES Developer Guide.

For Raw emails, the `FromEmailAddressIdentityArn` value overrides the X-SES-SOURCE-ARN and X-SES-FROM-ARN headers specified in raw email message content.

Type: String

Required: No

ListManagementOptions

An object used to specify a list or topic to which an email belongs, which will be used when a contact chooses to unsubscribe.

Type: ListManagementOptions object

Required: No

ReplyToAddresses

The "Reply-to" email addresses for the message. When the recipient replies to the message, each Reply-to address receives the reply.

Type: Array of strings

Required: No

Response Syntax

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

{
   "MessageId": "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.

MessageId

A unique identifier for the message that is generated when the message is accepted.

> **Note**
>
> It's possible for Amazon SES to accept a message without sending it. For example, this can happen when the message that you're trying to send has an attachment that contains a virus, or when you send a templated email that contains invalid personalization content.

Type: String

Errors

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

AccountSuspendedException

The message can't be sent because the account's ability to send email has been permanently restricted.

HTTP Status Code: 400

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

LimitExceededException

There are too many instances of the specified resource type.

HTTP Status Code: 400

MailFromDomainNotVerifiedException

The message can't be sent because the sending domain isn't verified.

HTTP Status Code: 400

MessageRejected

The message can't be sent because it contains invalid content.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

SendingPausedException

The message can't be sent because the account's ability to send email is currently paused.

HTTP Status Code: 400

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

Add one or more tags (keys and values) to a specified resource. A *tag* is a label that you optionally define and associate with a resource. Tags can help you categorize and manage resources in different ways, such as by purpose, owner, environment, or other criteria. A resource can have as many as 50 tags.

Each tag consists of a required *tag key* and an associated *tag value*, both of which you define. A tag key is a general label that acts as a category for more specific tag values. A tag value acts as a descriptor within a tag key.

Request Syntax

```
POST /v2/email/tags 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 Amazon Resource Name (ARN) of the resource that you want to add one or more tags to.

Type: String

Required: Yes

Tags

A list of the tags that you want to add to the resource. A tag consists of a required tag key (`Key`) and an associated tag value (`Value`). The maximum length of a tag key is 128 characters. The maximum length of a tag value is 256 characters.

Type: Array of Tag objects

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 you provided is invalid.

HTTP Status Code: 400

ConcurrentModificationException

The resource is being modified by another operation or thread.

HTTP Status Code: 500

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TestRenderEmailTemplate

Creates a preview of the MIME content of an email when provided with a template and a set of replacement data.

You can execute this operation no more than once per second.

Request Syntax

```
POST /v2/email/templates/TemplateName/render HTTP/1.1
Content-type: application/json

{
   "TemplateData": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

TemplateName

The name of the template.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request accepts the following data in JSON format.

TemplateData

A list of replacement values to apply to the template. This parameter is a JSON object, typically consisting of key-value pairs in which the keys correspond to replacement tags in the email template.

Type: String

Length Constraints: Maximum length of 262144.

Required: Yes

Response Syntax

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

{
   "RenderedTemplate": "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.

RenderedTemplate

The complete MIME message rendered by applying the data in the `TemplateData` parameter to the template specified in the TemplateName parameter.

Type: String

Errors

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

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UntagResource

Remove one or more tags (keys and values) from a specified resource.

Request Syntax

```
DELETE /v2/email/tags?ResourceArn=ResourceArn&TagKeys=TagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

The Amazon Resource Name (ARN) of the resource that you want to remove one or more tags from.

Required: Yes

TagKeys

The tags (tag keys) that you want to remove from the resource. When you specify a tag key, the action removes both that key and its associated tag value.

To remove more than one tag from the resource, append the `TagKeys` parameter and argument for each additional tag to remove, separated by an ampersand. For example: `/v2/email/tags?ResourceArn=ResourceArn&TagKeys=Key1&TagKeys=Key2`

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 you provided is invalid.

HTTP Status Code: 400

ConcurrentModificationException

The resource is being modified by another operation or thread.

HTTP Status Code: 500

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python

- AWS SDK for Ruby V3

UpdateConfigurationSetEventDestination

Update the configuration of an event destination for a configuration set.

Events include message sends, deliveries, opens, clicks, bounces, and complaints. *Event destinations* are places that you can send information about these events to. For example, you can send event data to Amazon SNS to receive notifications when you receive bounces or complaints, or you can use Amazon Kinesis Data Firehose to stream data to Amazon S3 for long-term storage.

Request Syntax

```
PUT /v2/email/configuration-sets/ConfigurationSetName/event-
destinations/EventDestinationName HTTP/1.1
Content-type: application/json

{
   "EventDestination": {
      "CloudWatchDestination": {
         "DimensionConfigurations": [
            {
               "DefaultDimensionValue": "string",
               "DimensionName": "string",
               "DimensionValueSource": "string"
            }
         ]
      },
      "Enabled": boolean,
      "KinesisFirehoseDestination": {
         "DeliveryStreamArn": "string",
         "IamRoleArn": "string"
      },
      "MatchingEventTypes": [ "string" ],
      "PinpointDestination": {
         "ApplicationArn": "string"
      },
      "SnsDestination": {
         "TopicArn": "string"
      }
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

ConfigurationSetName

The name of the configuration set that contains the event destination to modify.

Required: Yes

EventDestinationName

The name of the event destination.

Required: Yes

Request Body

The request accepts the following data in JSON format.

EventDestination

An object that defines the event destination.

Type: EventDestinationDefinition 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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateContact

Updates a contact's preferences for a list.

> **Note**
>
> You must specify all existing topic preferences in the `TopicPreferences` object, not just the ones that need updating; otherwise, all your existing preferences will be removed.

Request Syntax

```
PUT /v2/email/contact-lists/ContactListName/contacts/EmailAddress HTTP/1.1
Content-type: application/json

{
   "AttributesData": "string",
   "TopicPreferences": [
      {
         "SubscriptionStatus": "string",
         "TopicName": "string"
      }
   ],
   "UnsubscribeAll": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

ContactListName

The name of the contact list.

Required: Yes

EmailAddress

The contact's email address.

Required: Yes

Request Body

The request accepts the following data in JSON format.

AttributesData

The attribute data attached to a contact.

Type: String

Required: No

TopicPreferences

The contact's preference for being opted-in to or opted-out of a topic.

Type: Array of TopicPreference objects

Required: No

UnsubscribeAll

A boolean value status noting if the contact is unsubscribed from all contact list topics.

Type: Boolean

Required: No

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 you provided is invalid.

HTTP Status Code: 400

ConcurrentModificationException

The resource is being modified by another operation or thread.

HTTP Status Code: 500

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateContactList

Updates contact list metadata. This operation does a complete replacement.

Request Syntax

```
PUT /v2/email/contact-lists/ContactListName HTTP/1.1
Content-type: application/json

{
   "Description": "string",
   "Topics": [
      {
         "DefaultSubscriptionStatus": "string",
         "Description": "string",
         "DisplayName": "string",
         "TopicName": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

ContactListName

The name of the contact list.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

A description of what the contact list is about.

Type: String

Required: No

Topics

An interest group, theme, or label within a list. A contact list can have multiple topics.

Type: Array of Topic objects

Required: No

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 you provided is invalid.

HTTP Status Code: 400

ConcurrentModificationException

The resource is being modified by another operation or thread.

HTTP Status Code: 500

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateCustomVerificationEmailTemplate

Updates an existing custom verification email template.

For more information about custom verification email templates, see Using custom verification email templates in the *Amazon SES Developer Guide*.

You can execute this operation no more than once per second.

Request Syntax

```
PUT /v2/email/custom-verification-email-templates/TemplateName HTTP/1.1
Content-type: application/json

{
   "FailureRedirectionURL": "string",
   "FromEmailAddress": "string",
   "SuccessRedirectionURL": "string",
   "TemplateContent": "string",
   "TemplateSubject": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

TemplateName

The name of the custom verification email template that you want to update.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request accepts the following data in JSON format.

FailureRedirectionURL

The URL that the recipient of the verification email is sent to if his or her address is not successfully verified.

Type: String

Required: Yes

FromEmailAddress

The email address that the custom verification email is sent from.

Type: String

Required: Yes

SuccessRedirectionURL

The URL that the recipient of the verification email is sent to if his or her address is successfully verified.

Type: String

Required: Yes

TemplateContent

The content of the custom verification email. The total size of the email must be less than 10 MB. The message body may contain HTML, with some limitations. For more information, see Custom verification email frequently asked questions in the *Amazon SES Developer Guide*.

Type: String

Required: Yes

TemplateSubject

The subject line of the custom verification email.

Type: String

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateEmailIdentityPolicy

Updates the specified sending authorization policy for the given identity (an email address or a domain). This API returns successfully even if a policy with the specified name does not exist.

> **Note**
>
> This API is for the identity owner only. If you have not verified the identity, this API will return an error.

Sending authorization is a feature that enables an identity owner to authorize other senders to use its identities. For information about using sending authorization, see the Amazon SES Developer Guide.

You can execute this operation no more than once per second.

Request Syntax

```
PUT /v2/email/identities/EmailIdentity/policies/PolicyName HTTP/1.1
Content-type: application/json

{
   "Policy": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

EmailIdentity

The email identity.

Length Constraints: Minimum length of 1.

Required: Yes

PolicyName

The name of the policy.

The policy name cannot exceed 64 characters and can only include alphanumeric characters, dashes, and underscores.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

Policy

The text of the policy in JSON format. The policy cannot exceed 4 KB.

For information about the syntax of sending authorization policies, see the Amazon SES Developer Guide.

Type: String

Length Constraints: Minimum length of 1.

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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateEmailTemplate

Updates an email template. Email templates enable you to send personalized email to one or more destinations in a single API operation. For more information, see the Amazon SES Developer Guide.

You can execute this operation no more than once per second.

Request Syntax

```
PUT /v2/email/templates/TemplateName HTTP/1.1
Content-type: application/json

{
   "TemplateContent": {
      "Html": "string",
      "Subject": "string",
      "Text": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

TemplateName

The name of the template.

Length Constraints: Minimum length of 1.

Required: Yes

Request Body

The request accepts the following data in JSON format.

TemplateContent

The content of the email template, composed of a subject line, an HTML part, and a text-only part.

Type: EmailTemplateContent 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 you provided is invalid.

HTTP Status Code: 400

NotFoundException

The resource you attempted to access doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Too many requests have been made to the operation.

HTTP Status Code: 429

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
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Data Types

The Amazon Simple Email Service API contains several data types that various actions use. This section describes each data type in detail.

> **Note**
>
> The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- AccountDetails
- BatchGetMetricDataQuery
- BlacklistEntry
- Body
- Bounce
- BulkEmailContent
- BulkEmailEntry
- BulkEmailEntryResult
- CloudWatchDestination
- CloudWatchDimensionConfiguration
- Complaint
- Contact
- ContactList
- ContactListDestination
- Content
- CustomVerificationEmailTemplateMetadata
- DailyVolume
- DashboardAttributes
- DashboardOptions
- DedicatedIp

- DedicatedIpPool
- DeliverabilityTestReport
- DeliveryOptions
- Destination
- DkimAttributes
- DkimSigningAttributes
- DomainDeliverabilityCampaign
- DomainDeliverabilityTrackingOption
- DomainIspPlacement
- EmailContent
- EmailInsights
- EmailTemplateContent
- EmailTemplateMetadata
- EventDestination
- EventDestinationDefinition
- EventDetails
- ExportDataSource
- ExportDestination
- ExportJobSummary
- ExportMetric
- ExportStatistics
- FailureInfo
- GuardianAttributes
- GuardianOptions
- IdentityInfo
- ImportDataSource
- ImportDestination
- ImportJobSummary
- InboxPlacementTrackingOption
- InsightsEvent

- IspPlacement
- KinesisFirehoseDestination
- ListContactsFilter
- ListManagementOptions
- MailFromAttributes
- Message
- MessageHeader
- MessageInsightsDataSource
- MessageInsightsFilters
- MessageTag
- MetricDataError
- MetricDataResult
- MetricsDataSource
- OverallVolume
- PinpointDestination
- PlacementStatistics
- RawMessage
- Recommendation
- ReplacementEmailContent
- ReplacementTemplate
- ReputationOptions
- ReviewDetails
- SendingOptions
- SendQuota
- SnsDestination
- SOARecord
- SuppressedDestination
- SuppressedDestinationAttributes
- SuppressedDestinationSummary
- SuppressionAttributes

- SuppressionListDestination
- SuppressionOptions
- Tag
- Template
- Topic
- TopicFilter
- TopicPreference
- TrackingOptions
- VdmAttributes
- VdmOptions
- VerificationInfo
- VolumeStatistics

AccountDetails

An object that contains information about your account details.

Contents

AdditionalContactEmailAddresses

Additional email addresses where updates are sent about your account review process.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 4 items.

Length Constraints: Minimum length of 6. Maximum length of 254.

Pattern: `^(.+)@(.+)$`

Required: No

ContactLanguage

The language you would prefer for the case. The contact language can be one of `ENGLISH` or `JAPANESE`.

Type: String

Valid Values: `EN | JA`

Required: No

MailType

The type of email your account is sending. The mail type can be one of the following:

- `MARKETING` – Most of your sending traffic is to keep your customers informed of your latest offering.
- `TRANSACTIONAL` – Most of your sending traffic is to communicate during a transaction with a customer.

Type: String

Valid Values: `MARKETING | TRANSACTIONAL`

Required: No

ReviewDetails

Information about the review of the latest details you submitted.

Type: ReviewDetails object

Required: No

UseCaseDescription

A description of the types of email that you plan to send.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5000.

Required: No

WebsiteURL

The URL of your website. This information helps us better understand the type of content that you plan to send.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetMetricDataQuery

Represents a single metric data query to include in a batch.

Contents

EndDate

Represents the end date for the query interval.

Type: Timestamp

Required: Yes

Id

The query identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Metric

The queried metric. This can be one of the following:

- `SEND` – Emails sent eligible for tracking in the VDM dashboard. This excludes emails sent to the mailbox simulator and emails addressed to more than one recipient.
- `COMPLAINT` – Complaints received for your account. This excludes complaints from the mailbox simulator, those originating from your account-level suppression list (if enabled), and those for emails addressed to more than one recipient
- `PERMANENT_BOUNCE` – Permanent bounces - i.e. feedback received for emails sent to non-existent mailboxes. Excludes bounces from the mailbox simulator, those originating from your account-level suppression list (if enabled), and those for emails addressed to more than one recipient.
- `TRANSIENT_BOUNCE` – Transient bounces - i.e. feedback received for delivery failures excluding issues with non-existent mailboxes. Excludes bounces from the mailbox simulator, and those for emails addressed to more than one recipient.

- OPEN – Unique open events for emails including open trackers. Excludes opens for emails addressed to more than one recipient.
- CLICK – Unique click events for emails including wrapped links. Excludes clicks for emails addressed to more than one recipient.
- DELIVERY – Successful deliveries for email sending attempts. Excludes deliveries to the mailbox simulator and for emails addressed to more than one recipient.
- DELIVERY_OPEN – Successful deliveries for email sending attempts. Excludes deliveries to the mailbox simulator, for emails addressed to more than one recipient, and emails without open trackers.
- DELIVERY_CLICK – Successful deliveries for email sending attempts. Excludes deliveries to the mailbox simulator, for emails addressed to more than one recipient, and emails without click trackers.
- DELIVERY_COMPLAINT – Successful deliveries for email sending attempts. Excludes deliveries to the mailbox simulator, for emails addressed to more than one recipient, and emails addressed to recipients hosted by ISPs with which Amazon SES does not have a feedback loop agreement.

Type: String

Valid Values: SEND | COMPLAINT | PERMANENT_BOUNCE | TRANSIENT_BOUNCE | OPEN | CLICK | DELIVERY | DELIVERY_OPEN | DELIVERY_CLICK | DELIVERY_COMPLAINT

Required: Yes

Namespace

The query namespace - e.g. VDM

Type: String

Valid Values: VDM

Required: Yes

StartDate

Represents the start date for the query interval.

Type: Timestamp

Required: Yes

Dimensions

An object that contains mapping between `MetricDimensionName` and `MetricDimensionValue` to filter metrics by.

Type: String to string map

Map Entries: Maximum number of 3 items.

Valid Keys: `EMAIL_IDENTITY | CONFIGURATION_SET | ISP`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BlacklistEntry

An object that contains information about a blacklisting event that impacts one of the dedicated IP addresses that is associated with your account.

Contents

Description

Additional information about the blacklisting event, as provided by the blacklist maintainer.

Type: String

Required: No

ListingTime

The time when the blacklisting event occurred.

Type: Timestamp

Required: No

RblName

The name of the blacklist that the IP address appears on.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Body

Represents the body of the email message.

Contents

Html

An object that represents the version of the message that is displayed in email clients that support HTML. HTML messages can include formatted text, hyperlinks, images, and more.

Type: Content object

Required: No

Text

An object that represents the version of the message that is displayed in email clients that don't support HTML, or clients where the recipient has disabled HTML rendering.

Type: Content 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Bounce

Information about a Bounce event.

Contents

BounceSubType

The subtype of the bounce, as determined by SES.

Type: String

Required: No

BounceType

The type of the bounce, as determined by SES. Can be one of UNDETERMINED, TRANSIENT, or PERMANENT

Type: String

Valid Values: UNDETERMINED | TRANSIENT | PERMANENT

Required: No

DiagnosticCode

The status code issued by the reporting Message Transfer Authority (MTA). This field only appears if a delivery status notification (DSN) was attached to the bounce and the Diagnostic-Code was provided in the DSN.

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 Go

- AWS SDK for Java V2
- AWS SDK for Ruby V3

BulkEmailContent

An object that contains the body of the message. You can specify a template message.

Contents

Template

The template to use for the bulk email message.

Type: Template 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BulkEmailEntry

Contents

Destination

Represents the destination of the message, consisting of To:, CC:, and BCC: fields.

> **Note**
>
> Amazon SES does not support the SMTPUTF8 extension, as described in RFC6531. For this reason, the local part of a destination email address (the part of the email address that precedes the @ sign) may only contain 7-bit ASCII characters. If the domain part of an address (the part after the @ sign) contains non-ASCII characters, they must be encoded using Punycode, as described in RFC3492.

Type: Destination object

Required: Yes

ReplacementEmailContent

The `ReplacementEmailContent` associated with a `BulkEmailEntry`.

Type: ReplacementEmailContent object

Required: No

ReplacementTags

A list of tags, in the form of name/value pairs, to apply to an email that you send using the `SendBulkTemplatedEmail` operation. Tags correspond to characteristics of the email that you define, so that you can publish email sending events.

Type: Array of MessageTag 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BulkEmailEntryResult

The result of the `SendBulkEmail` operation of each specified `BulkEmailEntry`.

Contents

Error

A description of an error that prevented a message being sent using the `SendBulkTemplatedEmail` operation.

Type: String

Required: No

MessageId

The unique message identifier returned from the `SendBulkTemplatedEmail` operation.

Type: String

Required: No

Status

The status of a message sent using the `SendBulkTemplatedEmail` operation.

Possible values for this parameter include:

- SUCCESS: Amazon SES accepted the message, and will attempt to deliver it to the recipients.
- MESSAGE_REJECTED: The message was rejected because it contained a virus.
- MAIL_FROM_DOMAIN_NOT_VERIFIED: The sender's email address or domain was not verified.
- CONFIGURATION_SET_DOES_NOT_EXIST: The configuration set you specified does not exist.
- TEMPLATE_DOES_NOT_EXIST: The template you specified does not exist.
- ACCOUNT_SUSPENDED: Your account has been shut down because of issues related to your email sending practices.
- ACCOUNT_THROTTLED: The number of emails you can send has been reduced because your account has exceeded its allocated sending limit.
- ACCOUNT_DAILY_QUOTA_EXCEEDED: You have reached or exceeded the maximum number of emails you can send from your account in a 24-hour period.

- INVALID_SENDING_POOL_NAME: The configuration set you specified refers to an IP pool that does not exist.
- ACCOUNT_SENDING_PAUSED: Email sending for the Amazon SES account was disabled using the UpdateAccountSendingEnabled operation.
- CONFIGURATION_SET_SENDING_PAUSED: Email sending for this configuration set was disabled using the UpdateConfigurationSetSendingEnabled operation.
- INVALID_PARAMETER_VALUE: One or more of the parameters you specified when calling this operation was invalid. See the error message for additional information.
- TRANSIENT_FAILURE: Amazon SES was unable to process your request because of a temporary issue.
- FAILED: Amazon SES was unable to process your request. See the error message for additional information.

Type: String

Valid Values: `SUCCESS | MESSAGE_REJECTED | MAIL_FROM_DOMAIN_NOT_VERIFIED | CONFIGURATION_SET_NOT_FOUND | TEMPLATE_NOT_FOUND | ACCOUNT_SUSPENDED | ACCOUNT_THROTTLED | ACCOUNT_DAILY_QUOTA_EXCEEDED | INVALID_SENDING_POOL_NAME | ACCOUNT_SENDING_PAUSED | CONFIGURATION_SET_SENDING_PAUSED | INVALID_PARAMETER | TRANSIENT_FAILURE | 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CloudWatchDestination

An object that defines an Amazon CloudWatch destination for email events. You can use Amazon CloudWatch to monitor and gain insights on your email sending metrics.

Contents

DimensionConfigurations

An array of objects that define the dimensions to use when you send email events to Amazon CloudWatch.

Type: Array of CloudWatchDimensionConfiguration objects

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CloudWatchDimensionConfiguration

An object that defines the dimension configuration to use when you send email events to Amazon CloudWatch.

Contents

DefaultDimensionValue

The default value of the dimension that is published to Amazon CloudWatch if you don't provide the value of the dimension when you send an email. This value has to meet the following criteria:

- Can only contain ASCII letters (a–z, A–Z), numbers (0–9), underscores (_), or dashes (-), at signs (@), and periods (.).
- It can contain no more than 256 characters.

Type: String

Required: Yes

DimensionName

The name of an Amazon CloudWatch dimension associated with an email sending metric. The name has to meet the following criteria:

- It can only contain ASCII letters (a–z, A–Z), numbers (0–9), underscores (_), or dashes (-).
- It can contain no more than 256 characters.

Type: String

Required: Yes

DimensionValueSource

The location where the Amazon SES API v2 finds the value of a dimension to publish to Amazon CloudWatch. To use the message tags that you specify using an `X-SES-MESSAGE-TAGS` header or a parameter to the `SendEmail` or `SendRawEmail` API, choose `messageTag`. To use your own email headers, choose `emailHeader`. To use link tags, choose `linkTags`.

Type: String

Valid Values: `MESSAGE_TAG | EMAIL_HEADER | LINK_TAG`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Complaint

Information about a `Complaint` event.

Contents

ComplaintFeedbackType

The value of the `Feedback-Type` field from the feedback report received from the ISP.

Type: String

Required: No

ComplaintSubType

Can either be `null` or `OnAccountSuppressionList`. If the value is `OnAccountSuppressionList`, SES accepted the message, but didn't attempt to send it because it was on the account-level suppression list.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Contact

A contact is the end-user who is receiving the email.

Contents

EmailAddress

The contact's email address.

Type: String

Required: No

LastUpdatedTimestamp

A timestamp noting the last time the contact's information was updated.

Type: Timestamp

Required: No

TopicDefaultPreferences

The default topic preferences applied to the contact.

Type: Array of TopicPreference objects

Required: No

TopicPreferences

The contact's preference for being opted-in to or opted-out of a topic.

Type: Array of TopicPreference objects

Required: No

UnsubscribeAll

A boolean value status noting if the contact is unsubscribed from all contact list topics.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ContactList

A list that contains contacts that have subscribed to a particular topic or topics.

Contents

ContactListName

The name of the contact list.

Type: String

Required: No

LastUpdatedTimestamp

A timestamp noting the last time the contact list 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ContactListDestination

An object that contains details about the action of a contact list.

Contents

ContactListImportAction

>The type of action to perform on the addresses. The following are the possible values:

- PUT: add the addresses to the contact list. If the record already exists, it will override it with the new value.
- DELETE: remove the addresses from the contact list.

Type: String

Valid Values: `DELETE | PUT`

Required: Yes

ContactListName

The name of the contact list.

Type: String

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Content

An object that represents the content of the email, and optionally a character set specification.

Contents

Data

The content of the message itself.

Type: String

Required: Yes

Charset

The character set for the content. Because of the constraints of the SMTP protocol, Amazon SES uses 7-bit ASCII by default. If the text includes characters outside of the ASCII range, you have to specify a character set. For example, you could specify `UTF-8`, `ISO-8859-1`, or `Shift_JIS`.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomVerificationEmailTemplateMetadata

Contains information about a custom verification email template.

Contents

FailureRedirectionURL

The URL that the recipient of the verification email is sent to if his or her address is not successfully verified.

Type: String

Required: No

FromEmailAddress

The email address that the custom verification email is sent from.

Type: String

Required: No

SuccessRedirectionURL

The URL that the recipient of the verification email is sent to if his or her address is successfully verified.

Type: String

Required: No

TemplateName

The name of the custom verification email template.

Type: String

Length Constraints: Minimum length of 1.

Required: No

TemplateSubject

The subject line of the custom verification email.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DailyVolume

An object that contains information about the volume of email sent on each day of the analysis period.

Contents

DomainIspPlacements

An object that contains inbox placement metrics for a specified day in the analysis period, broken out by the recipient's email provider.

Type: Array of DomainIspPlacement objects

Required: No

StartDate

The date that the DailyVolume metrics apply to, in Unix time.

Type: Timestamp

Required: No

VolumeStatistics

An object that contains inbox placement metrics for a specific day in the analysis period.

Type: VolumeStatistics 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DashboardAttributes

An object containing additional settings for your VDM configuration as applicable to the Dashboard.

Contents

EngagementMetrics

Specifies the status of your VDM engagement metrics collection. Can be one of the following:

- `ENABLED` – Amazon SES enables engagement metrics for your account.
- `DISABLED` – Amazon SES disables engagement metrics for your account.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DashboardOptions

An object containing additional settings for your VDM configuration as applicable to the Dashboard.

Contents

EngagementMetrics

Specifies the status of your VDM engagement metrics collection. Can be one of the following:

- `ENABLED` – Amazon SES enables engagement metrics for the configuration set.
- `DISABLED` – Amazon SES disables engagement metrics for the configuration set.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DedicatedIp

Contains information about a dedicated IP address that is associated with your Amazon SES account.

To learn more about requesting dedicated IP addresses, see Requesting and Relinquishing Dedicated IP Addresses in the *Amazon SES Developer Guide*.

Contents

Ip

An IPv4 address.

Type: String

Required: Yes

WarmupPercentage

Indicates how complete the dedicated IP warm-up process is. When this value equals 1, the address has completed the warm-up process and is ready for use.

Type: Integer

Required: Yes

WarmupStatus

The warm-up status of a dedicated IP address. The status can have one of the following values:

- `IN_PROGRESS` – The IP address isn't ready to use because the dedicated IP warm-up process is ongoing.
- `DONE` – The dedicated IP warm-up process is complete, and the IP address is ready to use.

Type: String

Valid Values: `IN_PROGRESS | DONE`

Required: Yes

PoolName

The name of the dedicated IP pool that the IP address is associated with.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DedicatedIpPool

Contains information about a dedicated IP pool.

Contents

PoolName

The name of the dedicated IP pool.

Type: String

Required: Yes

ScalingMode

The type of the dedicated IP pool.

- STANDARD – A dedicated IP pool where you can control which IPs are part of the pool.
- MANAGED – A dedicated IP pool where the reputation and number of IPs are automatically managed by Amazon SES.

Type: String

Valid Values: STANDARD | MANAGED

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DeliverabilityTestReport

An object that contains metadata related to a predictive inbox placement test.

Contents

CreateDate

The date and time when the predictive inbox placement test was created.

Type: Timestamp

Required: No

DeliverabilityTestStatus

The status of the predictive inbox placement test. If the status is `IN_PROGRESS`, then the predictive inbox placement test is currently running. Predictive inbox placement tests are usually complete within 24 hours of creating the test. If the status is `COMPLETE`, then the test is finished, and you can use the `GetDeliverabilityTestReport` to view the results of the test.

Type: String

Valid Values: `IN_PROGRESS | COMPLETED`

Required: No

FromEmailAddress

The sender address that you specified for the predictive inbox placement test.

Type: String

Required: No

ReportId

A unique string that identifies the predictive inbox placement test.

Type: String

Required: No

ReportName

A name that helps you identify a predictive inbox placement test report.

Type: String

Required: No

Subject

The subject line for an email that you submitted in a predictive inbox placement test.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DeliveryOptions

Used to associate a configuration set with a dedicated IP pool.

Contents

SendingPoolName

The name of the dedicated IP pool to associate with the configuration set.

Type: String

Required: No

TlsPolicy

Specifies whether messages that use the configuration set are required to use Transport Layer Security (TLS). If the value is `Require`, messages are only delivered if a TLS connection can be established. If the value is `Optional`, messages can be delivered in plain text if a TLS connection can't be established.

Type: String

Valid Values: `REQUIRE | OPTIONAL`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Destination

An object that describes the recipients for an email.

> **Note**
>
> Amazon SES does not support the SMTPUTF8 extension, as described in RFC6531. For this reason, the *local part* of a destination email address (the part of the email address that precedes the @ sign) may only contain 7-bit ASCII characters. If the *domain part* of an address (the part after the @ sign) contains non-ASCII characters, they must be encoded using Punycode, as described in RFC3492.

Contents

BccAddresses

An array that contains the email addresses of the "BCC" (blind carbon copy) recipients for the email.

Type: Array of strings

Required: No

CcAddresses

An array that contains the email addresses of the "CC" (carbon copy) recipients for the email.

Type: Array of strings

Required: No

ToAddresses

An array that contains the email addresses of the "To" recipients for the email.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DkimAttributes

An object that contains information about the DKIM authentication status for an email identity.

Amazon SES determines the authentication status by searching for specific records in the DNS configuration for the domain. If you used Easy DKIM to set up DKIM authentication, Amazon SES tries to find three unique CNAME records in the DNS configuration for your domain. If you provided a public key to perform DKIM authentication, Amazon SES tries to find a TXT record that uses the selector that you specified. The value of the TXT record must be a public key that's paired with the private key that you specified in the process of creating the identity

Contents

CurrentSigningKeyLength

[Easy DKIM] The key length of the DKIM key pair in use.

Type: String

Valid Values: `RSA_1024_BIT | RSA_2048_BIT`

Required: No

LastKeyGenerationTimestamp

[Easy DKIM] The last time a key pair was generated for this identity.

Type: Timestamp

Required: No

NextSigningKeyLength

[Easy DKIM] The key length of the future DKIM key pair to be generated. This can be changed at most once per day.

Type: String

Valid Values: `RSA_1024_BIT | RSA_2048_BIT`

Required: No

SigningAttributesOrigin

A string that indicates how DKIM was configured for the identity. These are the possible values:

- AWS_SES – Indicates that DKIM was configured for the identity by using Easy DKIM.
- EXTERNAL – Indicates that DKIM was configured for the identity by using Bring Your Own DKIM (BYODKIM).

Type: String

Valid Values: AWS_SES | EXTERNAL

Required: No

SigningEnabled

If the value is true, then the messages that you send from the identity are signed using DKIM. If the value is false, then the messages that you send from the identity aren't DKIM-signed.

Type: Boolean

Required: No

Status

Describes whether or not Amazon SES has successfully located the DKIM records in the DNS records for the domain. The status can be one of the following:

- PENDING – The verification process was initiated, but Amazon SES hasn't yet detected the DKIM records in the DNS configuration for the domain.
- SUCCESS – The verification process completed successfully.
- FAILED – The verification process failed. This typically occurs when Amazon SES fails to find the DKIM records in the DNS configuration of the domain.
- TEMPORARY_FAILURE – A temporary issue is preventing Amazon SES from determining the DKIM authentication status of the domain.
- NOT_STARTED – The DKIM verification process hasn't been initiated for the domain.

Type: String

Valid Values: PENDING | SUCCESS | FAILED | TEMPORARY_FAILURE | NOT_STARTED

Required: No

Tokens

If you used Easy DKIM to configure DKIM authentication for the domain, then this object contains a set of unique strings that you use to create a set of CNAME records that you add to

the DNS configuration for your domain. When Amazon SES detects these records in the DNS configuration for your domain, the DKIM authentication process is complete.

If you configured DKIM authentication for the domain by providing your own public-private key pair, then this object contains the selector for the public key.

Regardless of the DKIM authentication method you use, Amazon SES searches for the appropriate records in the DNS configuration of the domain for up to 72 hours.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DkimSigningAttributes

An object that contains configuration for Bring Your Own DKIM (BYODKIM), or, for Easy DKIM

Contents

DomainSigningPrivateKey

[Bring Your Own DKIM] A private key that's used to generate a DKIM signature.

The private key must use 1024 or 2048-bit RSA encryption, and must be encoded using base64 encoding.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20480.

Pattern: `^[a-zA-Z0-9+\/]+={0,2}$`

Required: No

DomainSigningSelector

[Bring Your Own DKIM] A string that's used to identify a public key in the DNS configuration for a domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `^(([a-zA-Z0-9]|[a-zA-Z0-9][a-zA-Z0-9\-]*[a-zA-Z0-9]))$`

Required: No

NextSigningKeyLength

[Easy DKIM] The key length of the future DKIM key pair to be generated. This can be changed at most once per day.

Type: String

Valid Values: `RSA_1024_BIT | RSA_2048_BIT`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DomainDeliverabilityCampaign

An object that contains the deliverability data for a specific campaign. This data is available for a campaign only if the campaign sent email by using a domain that the Deliverability dashboard is enabled for (`PutDeliverabilityDashboardOption` operation).

Contents

CampaignId

The unique identifier for the campaign. The Deliverability dashboard automatically generates and assigns this identifier to a campaign.

Type: String

Required: No

DeleteRate

The percentage of email messages that were deleted by recipients, without being opened first. Due to technical limitations, this value only includes recipients who opened the message by using an email client that supports images.

Type: Double

Required: No

Esps

The major email providers who handled the email message.

Type: Array of strings

Required: No

FirstSeenDateTime

The first time when the email message was delivered to any recipient's inbox. This value can help you determine how long it took for a campaign to deliver an email message.

Type: Timestamp

Required: No

FromAddress

The verified email address that the email message was sent from.

Type: String

Length Constraints: Minimum length of 1.

Required: No

ImageUrl

The URL of an image that contains a snapshot of the email message that was sent.

Type: String

Required: No

InboxCount

The number of email messages that were delivered to recipients' inboxes.

Type: Long

Required: No

LastSeenDateTime

The last time when the email message was delivered to any recipient's inbox. This value can help you determine how long it took for a campaign to deliver an email message.

Type: Timestamp

Required: No

ProjectedVolume

The projected number of recipients that the email message was sent to.

Type: Long

Required: No

ReadDeleteRate

The percentage of email messages that were opened and then deleted by recipients. Due to technical limitations, this value only includes recipients who opened the message by using an email client that supports images.

Type: Double

Required: No

ReadRate

The percentage of email messages that were opened by recipients. Due to technical limitations, this value only includes recipients who opened the message by using an email client that supports images.

Type: Double

Required: No

SendingIps

The IP addresses that were used to send the email message.

Type: Array of strings

Required: No

SpamCount

The number of email messages that were delivered to recipients' spam or junk mail folders.

Type: Long

Required: No

Subject

The subject line, or title, of the email message.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DomainDeliverabilityTrackingOption

An object that contains information about the Deliverability dashboard subscription for a verified domain that you use to send email and currently has an active Deliverability dashboard subscription. If a Deliverability dashboard subscription is active for a domain, you gain access to reputation, inbox placement, and other metrics for the domain.

Contents

Domain

A verified domain that's associated with your AWS account and currently has an active Deliverability dashboard subscription.

Type: String

Required: No

InboxPlacementTrackingOption

An object that contains information about the inbox placement data settings for the domain.

Type: InboxPlacementTrackingOption object

Required: No

SubscriptionStartDate

The date when you enabled the Deliverability dashboard for the domain.

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 Go

- AWS SDK for Java V2
- AWS SDK for Ruby V3

DomainIspPlacement

An object that contains inbox placement data for email sent from one of your email domains to a specific email provider.

Contents

InboxPercentage

The percentage of messages that were sent from the selected domain to the specified email provider that arrived in recipients' inboxes.

Type: Double

Required: No

InboxRawCount

The total number of messages that were sent from the selected domain to the specified email provider that arrived in recipients' inboxes.

Type: Long

Required: No

IspName

The name of the email provider that the inbox placement data applies to.

Type: String

Required: No

SpamPercentage

The percentage of messages that were sent from the selected domain to the specified email provider that arrived in recipients' spam or junk mail folders.

Type: Double

Required: No

SpamRawCount

The total number of messages that were sent from the selected domain to the specified email provider that arrived in recipients' spam or junk mail folders.

Type: Long

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EmailContent

An object that defines the entire content of the email, including the message headers and the body content. You can create a simple email message, in which you specify the subject and the text and HTML versions of the message body. You can also create raw messages, in which you specify a complete MIME-formatted message. Raw messages can include attachments and custom headers.

Contents

Raw

The raw email message. The message has to meet the following criteria:

- The message has to contain a header and a body, separated by one blank line.
- All of the required header fields must be present in the message.
- Each part of a multipart MIME message must be formatted properly.
- If you include attachments, they must be in a file format that the Amazon SES API v2 supports.
- The raw data of the message needs to base64-encoded if you are accessing Amazon SES directly through the HTTPS interface. If you are accessing Amazon SES using an AWS SDK, the SDK takes care of the base 64-encoding for you.
- If any of the MIME parts in your message contain content that is outside of the 7-bit ASCII character range, you should encode that content to ensure that recipients' email clients render the message properly.
- The length of any single line of text in the message can't exceed 1,000 characters. This restriction is defined in RFC 5321.

Type: RawMessage object

Required: No

Simple

The simple email message. The message consists of a subject and a message body.

Type: Message object

Required: No

Template

The template to use for the email message.

Type: Template 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EmailInsights

An email's insights contain metadata and delivery information about a specific email.

Contents

Destination

The recipient of the email.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 320.

Required: No

Events

A list of events associated with the sent email.

Type: Array of InsightsEvent objects

Required: No

Isp

The recipient's ISP (e.g., `Gmail`, `Yahoo`, etc.).

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EmailTemplateContent

The content of the email, composed of a subject line, an HTML part, and a text-only part.

Contents

Html

The HTML body of the email.

Type: String

Required: No

Subject

The subject line of the email.

Type: String

Required: No

Text

The email body that will be visible to recipients whose email clients do not display HTML.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EmailTemplateMetadata

Contains information about an email template.

Contents

CreatedTimestamp

The time and date the template was created.

Type: Timestamp

Required: No

TemplateName

The name of the template.

Type: String

Length Constraints: Minimum length 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EventDestination

In the Amazon SES API v2, *events* include message sends, deliveries, opens, clicks, bounces, complaints and delivery delays. *Event destinations* are places that you can send information about these events to. For example, you can send event data to Amazon SNS to receive notifications when you receive bounces or complaints, or you can use Amazon Kinesis Data Firehose to stream data to Amazon S3 for long-term storage.

Contents

MatchingEventTypes

The types of events that Amazon SES sends to the specified event destinations.

- `SEND` - The send request was successful and SES will attempt to deliver the message to the recipient's mail server. (If account-level or global suppression is being used, SES will still count it as a send, but delivery is suppressed.)
- `REJECT` - SES accepted the email, but determined that it contained a virus and didn't attempt to deliver it to the recipient's mail server.
- `BOUNCE` - (*Hard bounce*) The recipient's mail server permanently rejected the email. (*Soft bounces* are only included when SES fails to deliver the email after retrying for a period of time.)
- `COMPLAINT` - The email was successfully delivered to the recipient's mail server, but the recipient marked it as spam.
- `DELIVERY` - SES successfully delivered the email to the recipient's mail server.
- `OPEN` - The recipient received the message and opened it in their email client.
- `CLICK` - The recipient clicked one or more links in the email.
- `RENDERING_FAILURE` - The email wasn't sent because of a template rendering issue. This event type can occur when template data is missing, or when there is a mismatch between template parameters and data. (This event type only occurs when you send email using the `SendTemplatedEmail` or `SendBulkTemplatedEmail` API operations.)
- `DELIVERY_DELAY` - The email couldn't be delivered to the recipient's mail server because a temporary issue occurred. Delivery delays can occur, for example, when the recipient's inbox is full, or when the receiving email server experiences a transient issue.

- SUBSCRIPTION - The email was successfully delivered, but the recipient updated their subscription preferences by clicking on an *unsubscribe* link as part of your subscription management.

Type: Array of strings

Valid Values: SEND | REJECT | BOUNCE | COMPLAINT | DELIVERY | OPEN | CLICK | RENDERING_FAILURE | DELIVERY_DELAY | SUBSCRIPTION

Required: Yes

Name

A name that identifies the event destination.

Type: String

Required: Yes

CloudWatchDestination

An object that defines an Amazon CloudWatch destination for email events. You can use Amazon CloudWatch to monitor and gain insights on your email sending metrics.

Type: CloudWatchDestination object

Required: No

Enabled

If `true`, the event destination is enabled. When the event destination is enabled, the specified event types are sent to the destinations in this `EventDestinationDefinition`.

If `false`, the event destination is disabled. When the event destination is disabled, events aren't sent to the specified destinations.

Type: Boolean

Required: No

KinesisFirehoseDestination

An object that defines an Amazon Kinesis Data Firehose destination for email events. You can use Amazon Kinesis Data Firehose to stream data to other services, such as Amazon S3 and Amazon Redshift.

Type: KinesisFirehoseDestination object

Required: No

PinpointDestination

An object that defines an Amazon Pinpoint project destination for email events. You can send email event data to a Amazon Pinpoint project to view metrics using the Transactional Messaging dashboards that are built in to Amazon Pinpoint. For more information, see Transactional Messaging Charts in the *Amazon Pinpoint User Guide*.

Type: PinpointDestination object

Required: No

SnsDestination

An object that defines an Amazon SNS destination for email events. You can use Amazon SNS to send notification when certain email events occur.

Type: SnsDestination 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EventDestinationDefinition

An object that defines the event destination. Specifically, it defines which services receive events from emails sent using the configuration set that the event destination is associated with. Also defines the types of events that are sent to the event destination.

Contents

CloudWatchDestination

An object that defines an Amazon CloudWatch destination for email events. You can use Amazon CloudWatch to monitor and gain insights on your email sending metrics.

Type: CloudWatchDestination object

Required: No

Enabled

If `true`, the event destination is enabled. When the event destination is enabled, the specified event types are sent to the destinations in this `EventDestinationDefinition`.

If `false`, the event destination is disabled. When the event destination is disabled, events aren't sent to the specified destinations.

Type: Boolean

Required: No

KinesisFirehoseDestination

An object that defines an Amazon Kinesis Data Firehose destination for email events. You can use Amazon Kinesis Data Firehose to stream data to other services, such as Amazon S3 and Amazon Redshift.

Type: KinesisFirehoseDestination object

Required: No

MatchingEventTypes

An array that specifies which events the Amazon SES API v2 should send to the destinations in this `EventDestinationDefinition`.

Type: Array of strings

Valid Values: `SEND | REJECT | BOUNCE | COMPLAINT | DELIVERY | OPEN | CLICK | RENDERING_FAILURE | DELIVERY_DELAY | SUBSCRIPTION`

Required: No

PinpointDestination

An object that defines an Amazon Pinpoint project destination for email events. You can send email event data to a Amazon Pinpoint project to view metrics using the Transactional Messaging dashboards that are built in to Amazon Pinpoint. For more information, see Transactional Messaging Charts in the *Amazon Pinpoint User Guide*.

Type: PinpointDestination object

Required: No

SnsDestination

An object that defines an Amazon SNS destination for email events. You can use Amazon SNS to send notification when certain email events occur.

Type: SnsDestination 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EventDetails

Contains a `Bounce` object if the event type is `BOUNCE`. Contains a `Complaint` object if the event type is `COMPLAINT`.

Contents

Bounce

Information about a `Bounce` event.

Type: Bounce object

Required: No

Complaint

Information about a `Complaint` event.

Type: Complaint 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExportDataSource

An object that contains details about the data source of the export job. It can only contain one of `MetricsDataSource` or `MessageInsightsDataSource` object.

Contents

MessageInsightsDataSource

An object that contains filters applied when performing the Message Insights export.

Type: MessageInsightsDataSource object

Required: No

MetricsDataSource

An object that contains details about the data source for the metrics export.

Type: MetricsDataSource 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExportDestination

An object that contains details about the destination of the export job.

Contents

DataFormat

The data format of the final export job file, can be one of the following:

- `CSV` - A comma-separated values file.
- `JSON` - A Json file.

Type: String

Valid Values: `CSV | JSON`

Required: Yes

S3Url

An Amazon S3 pre-signed URL that points to the generated export file.

Type: String

Pattern: `^s3:\/\/([^\/]+)\/(.*?([^\/]+)\/?)$`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExportJobSummary

A summary of the export job.

Contents

CompletedTimestamp

The timestamp of when the export job was completed.

Type: Timestamp

Required: No

CreatedTimestamp

The timestamp of when the export job was created.

Type: Timestamp

Required: No

ExportSourceType

The source type of the export job.

Type: String

Valid Values: `METRICS_DATA | MESSAGE_INSIGHTS`

Required: No

JobId

The export job ID.

Type: String

Length Constraints: Minimum length of 1.

Required: No

JobStatus

The status of the export job.

Type: String

Valid Values: `CREATED | PROCESSING | COMPLETED | FAILED | CANCELLED`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExportMetric

An object that contains a mapping between a `Metric` and `MetricAggregation`.

Contents

Aggregation

The aggregation to apply to a metric, can be one of the following:

- `VOLUME` - The volume of events for this metric.
- `RATE` - The rate for this metric relative to the `SEND` metric volume.

Type: String

Valid Values: `RATE | VOLUME`

Required: No

Name

The metric to export, can be one of the following:

- `SEND` - Emails sent eligible for tracking in the VDM dashboard. This excludes emails sent to the mailbox simulator and emails addressed to more than one recipient.
- `COMPLAINT` - Complaints received for your account. This excludes complaints from the mailbox simulator, those originating from your account-level suppression list (if enabled), and those for emails addressed to more than one recipient
- `PERMANENT_BOUNCE` - Permanent bounces - i.e., feedback received for emails sent to non-existent mailboxes. Excludes bounces from the mailbox simulator, those originating from your account-level suppression list (if enabled), and those for emails addressed to more than one recipient.
- `TRANSIENT_BOUNCE` - Transient bounces - i.e., feedback received for delivery failures excluding issues with non-existent mailboxes. Excludes bounces from the mailbox simulator, and those for emails addressed to more than one recipient.
- `OPEN` - Unique open events for emails including open trackers. Excludes opens for emails addressed to more than one recipient.
- `CLICK` - Unique click events for emails including wrapped links. Excludes clicks for emails addressed to more than one recipient.

- `DELIVERY` - Successful deliveries for email sending attempts. Excludes deliveries to the mailbox simulator and for emails addressed to more than one recipient.
- `DELIVERY_OPEN` - Successful deliveries for email sending attempts. Excludes deliveries to the mailbox simulator, for emails addressed to more than one recipient, and emails without open trackers.
- `DELIVERY_CLICK` - Successful deliveries for email sending attempts. Excludes deliveries to the mailbox simulator, for emails addressed to more than one recipient, and emails without click trackers.
- `DELIVERY_COMPLAINT` - Successful deliveries for email sending attempts. Excludes deliveries to the mailbox simulator, for emails addressed to more than one recipient, and emails addressed to recipients hosted by ISPs with which Amazon SES does not have a feedback loop agreement.

Type: String

Valid Values: `SEND | COMPLAINT | PERMANENT_BOUNCE | TRANSIENT_BOUNCE | OPEN | CLICK | DELIVERY | DELIVERY_OPEN | DELIVERY_CLICK | DELIVERY_COMPLAINT`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExportStatistics

Statistics about the execution of an export job.

Contents

ExportedRecordsCount

The number of records that were exported to the final export file.

This value might not be available for all export source types

Type: Integer

Required: No

ProcessedRecordsCount

The number of records that were processed to generate the final export file.

Type: Integer

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FailureInfo

An object that contains the failure details about a job.

Contents

ErrorMessage

A message about why the job failed.

Type: String

Required: No

FailedRecordsS3Url

An Amazon S3 pre-signed URL that contains all the failed records and related information.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GuardianAttributes

An object containing additional settings for your VDM configuration as applicable to the Guardian.

Contents

OptimizedSharedDelivery

Specifies the status of your VDM optimized shared delivery. Can be one of the following:

- `ENABLED` – Amazon SES enables optimized shared delivery for your account.
- `DISABLED` – Amazon SES disables optimized shared delivery for your account.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GuardianOptions

An object containing additional settings for your VDM configuration as applicable to the Guardian.

Contents

OptimizedSharedDelivery

Specifies the status of your VDM optimized shared delivery. Can be one of the following:

- `ENABLED` – Amazon SES enables optimized shared delivery for the configuration set.
- `DISABLED` – Amazon SES disables optimized shared delivery for the configuration set.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

IdentityInfo

Information about an email identity.

Contents

IdentityName

The address or domain of the identity.

Type: String

Length Constraints: Minimum length of 1.

Required: No

IdentityType

The email identity type. Note: the `MANAGED_DOMAIN` type is not supported for email identity types.

Type: String

Valid Values: `EMAIL_ADDRESS | DOMAIN | MANAGED_DOMAIN`

Required: No

SendingEnabled

Indicates whether or not you can send email from the identity.

An *identity* is an email address or domain that you send email from. Before you can send email from an identity, you have to demostrate that you own the identity, and that you authorize Amazon SES to send email from that identity.

Type: Boolean

Required: No

VerificationStatus

The verification status of the identity. The status can be one of the following:

- `PENDING` – The verification process was initiated, but Amazon SES hasn't yet been able to verify the identity.

- SUCCESS – The verification process completed successfully.
- FAILED – The verification process failed.
- TEMPORARY_FAILURE – A temporary issue is preventing Amazon SES from determining the verification status of the identity.
- NOT_STARTED – The verification process hasn't been initiated for the identity.

Type: String

Valid Values: PENDING | SUCCESS | FAILED | TEMPORARY_FAILURE | NOT_STARTED

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ImportDataSource

An object that contains details about the data source of the import job.

Contents

DataFormat

The data format of the import job's data source.

Type: String

Valid Values: `CSV | JSON`

Required: Yes

S3Url

An Amazon S3 URL in the format s3://*<bucket_name>*/*<object>*.

Type: String

Pattern: `^s3:\/\/([^\/]+)\/(.*?([^\/]+)\/?)$`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ImportDestination

An object that contains details about the resource destination the import job is going to target.

Contents

ContactListDestination

An object that contains the action of the import job towards a contact list.

Type: ContactListDestination object

Required: No

SuppressionListDestination

An object that contains the action of the import job towards suppression list.

Type: SuppressionListDestination 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ImportJobSummary

A summary of the import job.

Contents

CreatedTimestamp

The date and time when the import job was created.

Type: Timestamp

Required: No

FailedRecordsCount

The number of records that failed processing because of invalid input or other reasons.

Type: Integer

Required: No

ImportDestination

An object that contains details about the resource destination the import job is going to target.

Type: ImportDestination object

Required: No

JobId

A string that represents a job ID.

Type: String

Length Constraints: Minimum length of 1.

Required: No

JobStatus

The status of a job.

- `CREATED` – Job has just been created.
- `PROCESSING` – Job is processing.

- ERROR – An error occurred during processing.
- COMPLETED – Job has completed processing successfully.

Type: String

Valid Values: CREATED | PROCESSING | COMPLETED | FAILED | CANCELLED

Required: No

ProcessedRecordsCount

The current number of records processed.

Type: Integer

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

InboxPlacementTrackingOption

An object that contains information about the inbox placement data settings for a verified domain that's associated with your AWS account. This data is available only if you enabled the Deliverability dashboard for the domain.

Contents

Global

Specifies whether inbox placement data is being tracked for the domain.

Type: Boolean

Required: No

TrackedIsps

An array of strings, one for each major email provider that the inbox placement data applies to.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

InsightsEvent

An object containing details about a specific event.

Contents

Details

Details about bounce or complaint events.

Type: EventDetails object

Required: No

Timestamp

The timestamp of the event.

Type: Timestamp

Required: No

Type

The type of event:

- `SEND` - The send request was successful and SES will attempt to deliver the message to the recipient's mail server. (If account-level or global suppression is being used, SES will still count it as a send, but delivery is suppressed.)
- `DELIVERY` - SES successfully delivered the email to the recipient's mail server. Excludes deliveries to the mailbox simulator, and those from emails addressed to more than one recipient.
- `BOUNCE` - Feedback received for delivery failures. Additional details about the bounce are provided in the `Details` object. Excludes bounces from the mailbox simulator, and those from emails addressed to more than one recipient.
- `COMPLAINT` - Complaint received for the email. Additional details about the complaint are provided in the `Details` object. This excludes complaints from the mailbox simulator, those originating from your account-level suppression list (if enabled), and those from emails addressed to more than one recipient.
- `OPEN` - Open event for emails including open trackers. Excludes opens for emails addressed to more than one recipient.

- `CLICK` - Click event for emails including wrapped links. Excludes clicks for emails addressed to more than one recipient.

Type: String

Valid Values: `SEND | REJECT | BOUNCE | COMPLAINT | DELIVERY | OPEN | CLICK | RENDERING_FAILURE | DELIVERY_DELAY | SUBSCRIPTION`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

IspPlacement

An object that describes how email sent during the predictive inbox placement test was handled by a certain email provider.

Contents

IspName

The name of the email provider that the inbox placement data applies to.

Type: String

Required: No

PlacementStatistics

An object that contains inbox placement metrics for a specific email provider.

Type: PlacementStatistics 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KinesisFirehoseDestination

An object that defines an Amazon Kinesis Data Firehose destination for email events. You can use Amazon Kinesis Data Firehose to stream data to other services, such as Amazon S3 and Amazon Redshift.

Contents

DeliveryStreamArn

The Amazon Resource Name (ARN) of the Amazon Kinesis Data Firehose stream that the Amazon SES API v2 sends email events to.

Type: String

Required: Yes

IamRoleArn

The Amazon Resource Name (ARN) of the IAM role that the Amazon SES API v2 uses to send email events to the Amazon Kinesis Data Firehose stream.

Type: String

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ListContactsFilter

A filter that can be applied to a list of contacts.

Contents

FilteredStatus

The status by which you are filtering: `OPT_IN` or `OPT_OUT`.

Type: String

Valid Values: `OPT_IN | OPT_OUT`

Required: No

TopicFilter

Used for filtering by a specific topic preference.

Type: TopicFilter 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ListManagementOptions

An object used to specify a list or topic to which an email belongs, which will be used when a contact chooses to unsubscribe.

Contents

ContactListName

The name of the contact list.

Type: String

Required: Yes

TopicName

The name of the topic.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MailFromAttributes

A list of attributes that are associated with a MAIL FROM domain.

Contents

BehaviorOnMxFailure

The action to take if the required MX record can't be found when you send an email. When you set this value to `USE_DEFAULT_VALUE`, the mail is sent using *amazonses.com* as the MAIL FROM domain. When you set this value to `REJECT_MESSAGE`, the Amazon SES API v2 returns a `MailFromDomainNotVerified` error, and doesn't attempt to deliver the email.

These behaviors are taken when the custom MAIL FROM domain configuration is in the `Pending`, `Failed`, and `TemporaryFailure` states.

Type: String

Valid Values: `USE_DEFAULT_VALUE | REJECT_MESSAGE`

Required: Yes

MailFromDomain

The name of a domain that an email identity uses as a custom MAIL FROM domain.

Type: String

Required: Yes

MailFromDomainStatus

The status of the MAIL FROM domain. This status can have the following values:

- `PENDING` – Amazon SES hasn't started searching for the MX record yet.
- `SUCCESS` – Amazon SES detected the required MX record for the MAIL FROM domain.
- `FAILED` – Amazon SES can't find the required MX record, or the record no longer exists.
- `TEMPORARY_FAILURE` – A temporary issue occurred, which prevented Amazon SES from determining the status of the MAIL FROM domain.

Type: String

Valid Values: `PENDING | SUCCESS | FAILED | TEMPORARY_FAILURE`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Message

Represents the email message that you're sending. The `Message` object consists of a subject line and a message body.

Contents

Body

The body of the message. You can specify an HTML version of the message, a text-only version of the message, or both.

Type: Body object

Required: Yes

Subject

The subject line of the email. The subject line can only contain 7-bit ASCII characters. However, you can specify non-ASCII characters in the subject line by using encoded-word syntax, as described in RFC 2047.

Type: Content object

Required: Yes

Headers

The list of message headers that will be added to the email message.

Type: Array of MessageHeader objects

Array Members: Minimum number of 0 items. Maximum number of 15 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MessageHeader

Contains the name and value of a message header that you add to an email.

Contents

Name

The name of the message header. The message header name has to meet the following criteria:

- Can contain any printable ASCII character (33 - 126) except for colon (:).
- Can contain no more than 126 characters.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 126.

Pattern: `^[!-9;-@A-~]+$`

Required: Yes

Value

The value of the message header. The message header value has to meet the following criteria:

- Can contain any printable ASCII character.
- Can contain no more than 870 characters.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 870.

Pattern: `[ -~]*`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MessageInsightsDataSource

An object that contains filters applied when performing the Message Insights export.

Contents

EndDate

Represents the end date for the export interval as a timestamp. The end date is inclusive.

Type: Timestamp

Required: Yes

StartDate

Represents the start date for the export interval as a timestamp. The start date is inclusive.

Type: Timestamp

Required: Yes

Exclude

Filters for results to be excluded from the export file.

Type: MessageInsightsFilters object

Required: No

Include

Filters for results to be included in the export file.

Type: MessageInsightsFilters object

Required: No

MaxResults

The maximum number of results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10000.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MessageInsightsFilters

An object containing Message Insights filters.

If you specify multiple filters, the filters are joined by AND.

If you specify multiple values for a filter, the values are joined by OR. Filter values are case-sensitive.

`FromEmailAddress`, `Destination`, and `Subject` filters support partial match. A partial match is performed by using the * wildcard character placed at the beginning (suffix match), the end (prefix match) or both ends of the string (contains match). In order to match the literal characters * or \, they must be escaped using the \ character. If no wildcard character is present, an exact match is performed.

Contents

Destination

The recipient's email address.

Type: Array of strings

Array Members: Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 320.

Required: No

FromEmailAddress

The from address used to send the message.

Type: Array of strings

Array Members: Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 320.

Required: No

Isp

The recipient's ISP (e.g., `Gmail`, `Yahoo`, etc.).

Type: Array of strings

Array Members: Maximum number of 5 items.

Required: No

LastDeliveryEvent

The last delivery-related event for the email, where the ordering is as follows: `SEND` < `BOUNCE` < `DELIVERY` < `COMPLAINT`.

Type: Array of strings

Array Members: Maximum number of 5 items.

Valid Values: `SEND | DELIVERY | TRANSIENT_BOUNCE | PERMANENT_BOUNCE | UNDETERMINED_BOUNCE | COMPLAINT`

Required: No

LastEngagementEvent

The last engagement-related event for the email, where the ordering is as follows: `OPEN` < `CLICK`.

Engagement events are only available if Engagement tracking is enabled.

Type: Array of strings

Array Members: Maximum number of 2 items.

Valid Values: `OPEN | CLICK`

Required: No

Subject

The subject line of the message.

Type: Array of strings

Array Members: Maximum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 998.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MessageTag

Contains the name and value of a tag that you apply to an email. You can use message tags when you publish email sending events.

Contents

Name

The name of the message tag. The message tag name has to meet the following criteria:

- It can only contain ASCII letters (a–z, A–Z), numbers (0–9), underscores (_), or dashes (-).
- It can contain no more than 256 characters.

Type: String

Required: Yes

Value

The value of the message tag. The message tag value has to meet the following criteria:

- It can only contain ASCII letters (a–z, A–Z), numbers (0–9), underscores (_), or dashes (-).
- It can contain no more than 256 characters.

Type: String

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MetricDataError

An error corresponding to the unsuccessful processing of a single metric data query.

Contents

Code

The query error code. Can be one of:

- `INTERNAL_FAILURE` – Amazon SES has failed to process one of the queries.
- `ACCESS_DENIED` – You have insufficient access to retrieve metrics based on the given query.

Type: String

Valid Values: `INTERNAL_FAILURE | ACCESS_DENIED`

Required: No

Id

The query identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Message

The error message associated with the current query error.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MetricDataResult

The result of a single metric data query.

Contents

Id

The query identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Timestamps

A list of timestamps for the metric data results.

Type: Array of timestamps

Required: No

Values

A list of values (cumulative / sum) for the metric data results.

Type: Array of longs

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MetricsDataSource

An object that contains details about the data source for the metrics export.

Contents

Dimensions

An object that contains a mapping between a `MetricDimensionName` and `MetricDimensionValue` to filter metrics by. Must contain a least 1 dimension but no more than 3 unique ones.

Type: String to array of strings map

Map Entries: Maximum number of 3 items.

Valid Keys: `EMAIL_IDENTITY | CONFIGURATION_SET | ISP`

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

EndDate

Represents the end date for the export interval as a timestamp.

Type: Timestamp

Required: Yes

Metrics

A list of `ExportMetric` objects to export.

Type: Array of ExportMetric objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

Namespace

The metrics namespace - e.g., `VDM`.

Type: String

Valid Values: `VDM`

Required: Yes

StartDate

Represents the start date for the export interval as a timestamp.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OverallVolume

An object that contains information about email that was sent from the selected domain.

Contents

DomainIspPlacements

An object that contains inbox and junk mail placement metrics for individual email providers.

Type: Array of DomainIspPlacement objects

Required: No

ReadRatePercent

The percentage of emails that were sent from the domain that were read by their recipients.

Type: Double

Required: No

VolumeStatistics

An object that contains information about the numbers of messages that arrived in recipients' inboxes and junk mail folders.

Type: VolumeStatistics 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PinpointDestination

An object that defines an Amazon Pinpoint project destination for email events. You can send email event data to a Amazon Pinpoint project to view metrics using the Transactional Messaging dashboards that are built in to Amazon Pinpoint. For more information, see Transactional Messaging Charts in the *Amazon Pinpoint User Guide*.

Contents

ApplicationArn

The Amazon Resource Name (ARN) of the Amazon Pinpoint project to send email events to.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PlacementStatistics

An object that contains inbox placement data for an email provider.

Contents

DkimPercentage

The percentage of emails that were authenticated by using DomainKeys Identified Mail (DKIM) during the predictive inbox placement test.

Type: Double

Required: No

InboxPercentage

The percentage of emails that arrived in recipients' inboxes during the predictive inbox placement test.

Type: Double

Required: No

MissingPercentage

The percentage of emails that didn't arrive in recipients' inboxes at all during the predictive inbox placement test.

Type: Double

Required: No

SpamPercentage

The percentage of emails that arrived in recipients' spam or junk mail folders during the predictive inbox placement test.

Type: Double

Required: No

SpfPercentage

The percentage of emails that were authenticated by using Sender Policy Framework (SPF) during the predictive inbox placement test.

Type: Double

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RawMessage

Represents the raw content of an email message.

Contents

Data

The raw email message. The message has to meet the following criteria:

- The message has to contain a header and a body, separated by one blank line.
- All of the required header fields must be present in the message.
- Each part of a multipart MIME message must be formatted properly.
- Attachments must be in a file format that the Amazon SES supports.
- The raw data of the message needs to base64-encoded if you are accessing Amazon SES directly through the HTTPS interface. If you are accessing Amazon SES using an AWS SDK, the SDK takes care of the base 64-encoding for you.
- If any of the MIME parts in your message contain content that is outside of the 7-bit ASCII character range, you should encode that content to ensure that recipients' email clients render the message properly.
- The length of any single line of text in the message can't exceed 1,000 characters. This restriction is defined in RFC 5321.

Type: Base64-encoded binary data 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Recommendation

A recommendation generated for your account.

Contents

CreatedTimestamp

The first time this issue was encountered and the recommendation was generated.

Type: Timestamp

Required: No

Description

The recommendation description / disambiguator - e.g. `DKIM1` and `DKIM2` are different recommendations about your DKIM setup.

Type: String

Required: No

Impact

The recommendation impact, with values like `HIGH` or `LOW`.

Type: String

Valid Values: `LOW | HIGH`

Required: No

LastUpdatedTimestamp

The last time the recommendation was updated.

Type: Timestamp

Required: No

ResourceArn

The resource affected by the recommendation, with values like `arn:aws:ses:us-east-1:123456789012:identity/example.com`.

Type: String

Required: No

Status

The recommendation status, with values like `OPEN` or `FIXED`.

Type: String

Valid Values: `OPEN | FIXED`

Required: No

Type

The recommendation type, with values like `DKIM`, `SPF`, `DMARC` or `BIMI`.

Type: String

Valid Values: `DKIM | DMARC | SPF | BIMI`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReplacementEmailContent

The `ReplaceEmailContent` object to be used for a specific `BulkEmailEntry`. The `ReplacementTemplate` can be specified within this object.

Contents

ReplacementTemplate

The `ReplacementTemplate` associated with `ReplacementEmailContent`.

Type: ReplacementTemplate 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReplacementTemplate

An object which contains `ReplacementTemplateData` to be used for a specific `BulkEmailEntry`.

Contents

ReplacementTemplateData

A list of replacement values to apply to the template. This parameter is a JSON object, typically consisting of key-value pairs in which the keys correspond to replacement tags in the email template.

Type: String

Length Constraints: Maximum length of 262144.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReputationOptions

Enable or disable collection of reputation metrics for emails that you send using this configuration set in the current AWS Region.

Contents

LastFreshStart

The date and time (in Unix time) when the reputation metrics were last given a fresh start. When your account is given a fresh start, your reputation metrics are calculated starting from the date of the fresh start.

Type: Timestamp

Required: No

ReputationMetricsEnabled

If `true`, tracking of reputation metrics is enabled for the configuration set. If `false`, tracking of reputation metrics is disabled for the configuration set.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReviewDetails

An object that contains information about your account details review.

Contents

CaseId

The associated support center case ID (if any).

Type: String

Required: No

Status

The status of the latest review of your account. The status can be one of the following:

- `PENDING` – We have received your appeal and are in the process of reviewing it.
- `GRANTED` – Your appeal has been reviewed and your production access has been granted.
- `DENIED` – Your appeal has been reviewed and your production access has been denied.
- `FAILED` – An internal error occurred and we didn't receive your appeal. You can submit your appeal again.

Type: String

Valid Values: `PENDING | FAILED | GRANTED | 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SendingOptions

Used to enable or disable email sending for messages that use this configuration set in the current AWS Region.

Contents

SendingEnabled

If `true`, email sending is enabled for the configuration set. If `false`, email sending is disabled for the configuration set.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SendQuota

An object that contains information about the per-day and per-second sending limits for your Amazon SES account in the current AWS Region.

Contents

Max24HourSend

The maximum number of emails that you can send in the current AWS Region over a 24-hour period. A value of -1 signifies an unlimited quota. (This value is also referred to as your *sending quota*.)

Type: Double

Required: No

MaxSendRate

The maximum number of emails that you can send per second in the current AWS Region. This value is also called your *maximum sending rate* or your *maximum TPS (transactions per second) rate*.

Type: Double

Required: No

SentLast24Hours

The number of emails sent from your Amazon SES account in the current AWS Region over the past 24 hours.

Type: Double

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SnsDestination

An object that defines an Amazon SNS destination for email events. You can use Amazon SNS to send notification when certain email events occur.

Contents

TopicArn

The Amazon Resource Name (ARN) of the Amazon SNS topic to publish email events to. For more information about Amazon SNS topics, see the Amazon SNS Developer Guide.

Type: String

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SOARecord

An object that contains information about the start of authority (SOA) record associated with the identity.

Contents

AdminEmail

Administrative contact email from the SOA record.

Type: String

Required: No

PrimaryNameServer

Primary name server specified in the SOA record.

Type: String

Required: No

SerialNumber

Serial number from the SOA record.

Type: Long

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SuppressedDestination

An object that contains information about an email address that is on the suppression list for your account.

Contents

EmailAddress

The email address that is on the suppression list for your account.

Type: String

Required: Yes

LastUpdateTime

The date and time when the suppressed destination was last updated, shown in Unix time format.

Type: Timestamp

Required: Yes

Reason

The reason that the address was added to the suppression list for your account.

Type: String

Valid Values: `BOUNCE | COMPLAINT`

Required: Yes

Attributes

An optional value that can contain additional information about the reasons that the address was added to the suppression list for your account.

Type: SuppressedDestinationAttributes 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SuppressedDestinationAttributes

An object that contains additional attributes that are related an email address that is on the suppression list for your account.

Contents

FeedbackId

A unique identifier that's generated when an email address is added to the suppression list for your account.

Type: String

Required: No

MessageId

The unique identifier of the email message that caused the email address to be added to the suppression list for your account.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SuppressedDestinationSummary

A summary that describes the suppressed email address.

Contents

EmailAddress

The email address that's on the suppression list for your account.

Type: String

Required: Yes

LastUpdateTime

The date and time when the suppressed destination was last updated, shown in Unix time format.

Type: Timestamp

Required: Yes

Reason

The reason that the address was added to the suppression list for your account.

Type: String

Valid Values: `BOUNCE | COMPLAINT`

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 Go
- AWS SDK for Java V2

- AWS SDK for Ruby V3

SuppressionAttributes

An object that contains information about the email address suppression preferences for your account in the current AWS Region.

Contents

SuppressedReasons

A list that contains the reasons that email addresses will be automatically added to the suppression list for your account. This list can contain any or all of the following:

- `COMPLAINT` – Amazon SES adds an email address to the suppression list for your account when a message sent to that address results in a complaint.
- `BOUNCE` – Amazon SES adds an email address to the suppression list for your account when a message sent to that address results in a hard bounce.

Type: Array of strings

Valid Values: `BOUNCE | COMPLAINT`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SuppressionListDestination

An object that contains details about the action of suppression list.

Contents

SuppressionListImportAction

The type of action to perform on the address. The following are possible values:

- PUT: add the addresses to the suppression list. If the record already exists, it will override it with the new value.
- DELETE: remove the addresses from the suppression list.

Type: String

Valid Values: `DELETE | PUT`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SuppressionOptions

An object that contains information about the suppression list preferences for your account.

Contents

SuppressedReasons

A list that contains the reasons that email addresses are automatically added to the suppression list for your account. This list can contain any or all of the following:

- `COMPLAINT` – Amazon SES adds an email address to the suppression list for your account when a message sent to that address results in a complaint.
- `BOUNCE` – Amazon SES adds an email address to the suppression list for your account when a message sent to that address results in a hard bounce.

Type: Array of strings

Valid Values: `BOUNCE | COMPLAINT`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Tag

An object that defines the tags that are associated with a resource. A *tag* is a label that you optionally define and associate with a resource. Tags can help you categorize and manage resources in different ways, such as by purpose, owner, environment, or other criteria. A resource can have as many as 50 tags.

Each tag consists of a required *tag key* and an associated *tag value*, both of which you define. A tag key is a general label that acts as a category for a more specific tag value. A tag value acts as a descriptor within a tag key. A tag key can contain as many as 128 characters. A tag value can contain as many as 256 characters. The characters can be Unicode letters, digits, white space, or one of the following symbols: _ . : / = + -. The following additional restrictions apply to tags:

- Tag keys and values are case sensitive.
- For each associated resource, each tag key must be unique and it can have only one value.
- The `aws:` prefix is reserved for use by AWS; you can't use it in any tag keys or values that you define. In addition, you can't edit or remove tag keys or values that use this prefix. Tags that use this prefix don't count against the limit of 50 tags per resource.
- You can associate tags with public or shared resources, but the tags are available only for your AWS account, not any other accounts that share the resource. In addition, the tags are available only for resources that are located in the specified AWS Region for your AWS account.

Contents

Key

One part of a key-value pair that defines a tag. The maximum length of a tag key is 128 characters. The minimum length is 1 character.

Type: String

Required: Yes

Value

The optional part of a key-value pair that defines a tag. The maximum length of a tag value is 256 characters. The minimum length is 0 characters. If you don't want a resource to have a specific tag value, don't specify a value for this parameter. If you don't specify a value, Amazon SES sets the value to an empty string.

Type: String

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Template

An object that defines the email template to use for an email message, and the values to use for any message variables in that template. An *email template* is a type of message template that contains content that you want to define, save, and reuse in email messages that you send.

Contents

Headers

The list of message headers that will be added to the email message.

Type: Array of MessageHeader objects

Array Members: Minimum number of 0 items. Maximum number of 15 items.

Required: No

TemplateArn

The Amazon Resource Name (ARN) of the template.

Type: String

Required: No

TemplateData

An object that defines the values to use for message variables in the template. This object is a set of key-value pairs. Each key defines a message variable in the template. The corresponding value defines the value to use for that variable.

Type: String

Length Constraints: Maximum length of 262144.

Required: No

TemplateName

The name of the template. You will refer to this name when you send email using the `SendTemplatedEmail` or `SendBulkTemplatedEmail` operations.

Type: String

Length Constraints: Minimum length 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Topic

An interest group, theme, or label within a list. Lists can have multiple topics.

Contents

DefaultSubscriptionStatus

The default subscription status to be applied to a contact if the contact has not noted their preference for subscribing to a topic.

Type: String

Valid Values: `OPT_IN | OPT_OUT`

Required: Yes

DisplayName

The name of the topic the contact will see.

Type: String

Required: Yes

TopicName

The name of the topic.

Type: String

Required: Yes

Description

A description of what the topic is about, which the contact will see.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TopicFilter

Used for filtering by a specific topic preference.

Contents

TopicName

The name of a topic on which you wish to apply the filter.

Type: String

Required: No

UseDefaultIfPreferenceUnavailable

Notes that the default subscription status should be applied to a contact because the contact has not noted their preference for subscribing to a topic.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TopicPreference

The contact's preference for being opted-in to or opted-out of a topic.

Contents

SubscriptionStatus

The contact's subscription status to a topic which is either `OPT_IN` or `OPT_OUT`.

Type: String

Valid Values: `OPT_IN | OPT_OUT`

Required: Yes

TopicName

The name of the topic.

Type: String

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TrackingOptions

An object that defines the tracking options for a configuration set. When you use the Amazon SES API v2 to send an email, it contains an invisible image that's used to track when recipients open your email. If your email contains links, those links are changed slightly in order to track when recipients click them.

These images and links include references to a domain operated by AWS. You can optionally configure the Amazon SES to use a domain that you operate for these images and links.

Contents

CustomRedirectDomain

The domain to use for tracking open and click events.

Type: String

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VdmAttributes

The VDM attributes that apply to your Amazon SES account.

Contents

VdmEnabled

Specifies the status of your VDM configuration. Can be one of the following:

- `ENABLED` – Amazon SES enables VDM for your account.
- `DISABLED` – Amazon SES disables VDM for your account.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: Yes

DashboardAttributes

Specifies additional settings for your VDM configuration as applicable to the Dashboard.

Type: DashboardAttributes object

Required: No

GuardianAttributes

Specifies additional settings for your VDM configuration as applicable to the Guardian.

Type: GuardianAttributes 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 Go

- AWS SDK for Java V2
- AWS SDK for Ruby V3

VdmOptions

An object that defines the VDM settings that apply to emails that you send using the configuration set.

Contents

DashboardOptions

Specifies additional settings for your VDM configuration as applicable to the Dashboard.

Type: DashboardOptions object

Required: No

GuardianOptions

Specifies additional settings for your VDM configuration as applicable to the Guardian.

Type: GuardianOptions 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VerificationInfo

An object that contains additional information about the verification status for the identity.

Contents

ErrorType

Provides the reason for the failure describing why Amazon SES was not able to successfully verify the identity. Below are the possible values:

- `INVALID_VALUE` – Amazon SES was able to find the record, but the value contained within the record was invalid. Ensure you have published the correct values for the record.
- `TYPE_NOT_FOUND` – The queried hostname exists but does not have the requested type of DNS record. Ensure that you have published the correct type of DNS record.
- `HOST_NOT_FOUND` – The queried hostname does not exist or was not reachable at the time of the request. Ensure that you have published the required DNS record(s).
- `SERVICE_ERROR` – A temporary issue is preventing Amazon SES from determining the verification status of the domain.
- `DNS_SERVER_ERROR` – The DNS server encountered an issue and was unable to complete the request.

Type: String

Valid Values: `SERVICE_ERROR | DNS_SERVER_ERROR | HOST_NOT_FOUND | TYPE_NOT_FOUND | INVALID_VALUE`

Required: No

LastCheckedTimestamp

The last time a verification attempt was made for this identity.

Type: Timestamp

Required: No

LastSuccessTimestamp

The last time a successful verification was made for this identity.

Type: Timestamp

Required: No

SOARecord

An object that contains information about the start of authority (SOA) record associated with the identity.

Type: SOARecord 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VolumeStatistics

An object that contains information about the amount of email that was delivered to recipients.

Contents

InboxRawCount

The total number of emails that arrived in recipients' inboxes.

Type: Long

Required: No

ProjectedInbox

An estimate of the percentage of emails sent from the current domain that will arrive in recipients' inboxes.

Type: Long

Required: No

ProjectedSpam

An estimate of the percentage of emails sent from the current domain that will arrive in recipients' spam or junk mail folders.

Type: Long

Required: No

SpamRawCount

The total number of emails that arrived in recipients' spam or junk mail folders.

Type: Long

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signing AWS API requests in the *IAM User Guide*.

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an AWS API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see AWS services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

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: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

MalformedHttpRequestException

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestAbortedException

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

RequestEntityTooLargeException

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

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

RequestTimeoutException

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

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

UnrecognizedClientException

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

UnknownOperationException

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 404

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400