API Reference

Amazon Simple Email Service

API Version 2010-12-01

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Amazon Simple Email Service: API Reference

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Welcome

This document contains reference information for the Amazon Simple Email Service (Amazon SES) API, version 2010-12-01. This document is best used in conjunction with the Amazon SES Developer Guide.

> **Note**
>
> For a list of Amazon SES endpoints to use in service requests, see Regions and Amazon SES in the Amazon SES Developer Guide.

This documentation contains reference information related to the following:

- Amazon SES API Actions
- Amazon SES API Data Types
- Common Parameters
- Common Errors

This document was last published on October 15, 2026.

Actions

The following actions are supported:

- CloneReceiptRuleSet
- CreateConfigurationSet
- CreateConfigurationSetEventDestination
- CreateConfigurationSetTrackingOptions
- CreateCustomVerificationEmailTemplate
- CreateReceiptFilter
- CreateReceiptRule
- CreateReceiptRuleSet
- CreateTemplate
- DeleteConfigurationSet
- DeleteConfigurationSetEventDestination
- DeleteConfigurationSetTrackingOptions
- DeleteCustomVerificationEmailTemplate
- DeleteIdentity
- DeleteIdentityPolicy
- DeleteReceiptFilter
- DeleteReceiptRule
- DeleteReceiptRuleSet
- DeleteTemplate
- DeleteVerifiedEmailAddress
- DescribeActiveReceiptRuleSet
- DescribeConfigurationSet
- DescribeReceiptRule
- DescribeReceiptRuleSet
- GetAccountSendingEnabled
- GetCustomVerificationEmailTemplate
- GetIdentityDkimAttributes

- GetIdentityMailFromDomainAttributes
- GetIdentityNotificationAttributes
- GetIdentityPolicies
- GetIdentityVerificationAttributes
- GetSendQuota
- GetSendStatistics
- GetTemplate
- ListConfigurationSets
- ListCustomVerificationEmailTemplates
- ListIdentities
- ListIdentityPolicies
- ListReceiptFilters
- ListReceiptRuleSets
- ListTemplates
- ListVerifiedEmailAddresses
- PutConfigurationSetDeliveryOptions
- PutIdentityPolicy
- ReorderReceiptRuleSet
- SendBounce
- SendBulkTemplatedEmail
- SendCustomVerificationEmail
- SendEmail
- SendRawEmail
- SendTemplatedEmail
- SetActiveReceiptRuleSet
- SetIdentityDkimEnabled
- SetIdentityFeedbackForwardingEnabled
- SetIdentityHeadersInNotificationsEnabled
- SetIdentityMailFromDomain
- SetIdentityNotificationTopic

- SetReceiptRulePosition
- TestRenderTemplate
- UpdateAccountSendingEnabled
- UpdateConfigurationSetEventDestination
- UpdateConfigurationSetReputationMetricsEnabled
- UpdateConfigurationSetSendingEnabled
- UpdateConfigurationSetTrackingOptions
- UpdateCustomVerificationEmailTemplate
- UpdateReceiptRule
- UpdateTemplate
- VerifyDomainDkim
- VerifyDomainIdentity
- VerifyEmailAddress
- VerifyEmailIdentity

CloneReceiptRuleSet

Creates a receipt rule set by cloning an existing one. All receipt rules and configurations are copied to the new receipt rule set and are completely independent of the source rule set.

For information about setting up rule sets, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

OriginalRuleSetName

The name of the rule set to clone.

Type: String

Required: Yes

RuleSetName

The name of the rule set to create. The name must meet the following requirements:

- Contain only ASCII letters (a-z, A-Z), numbers (0-9), underscores (_), or dashes (-).
- Start and end with a letter or number.
- Contain 64 characters or fewer.

Type: String

Required: Yes

Errors

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

AlreadyExists

Indicates that a resource could not be created because of a naming conflict.

Name

Indicates that a resource could not be created because the resource name already exists.

HTTP Status Code: 400

LimitExceeded

Indicates that a resource could not be created because of service limits. For a list of Amazon SES limits, see the Amazon SES Developer Guide.

HTTP Status Code: 400

RuleSetDoesNotExist

Indicates that the provided receipt rule set does not exist.

Name

Indicates that the named receipt rule set does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateConfigurationSet

Creates a configuration set.

Configuration sets enable you to publish email sending events. For information about using configuration sets, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSet

A data structure that contains the name of the configuration set.

Type: ConfigurationSet object

Required: Yes

Errors

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

ConfigurationSetAlreadyExists

Indicates that the configuration set could not be created because of a naming conflict.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

InvalidConfigurationSet

Indicates that the configuration set is invalid. See the error message for details.

HTTP Status Code: 400

LimitExceeded

Indicates that a resource could not be created because of service limits. For a list of Amazon SES limits, see the Amazon SES Developer Guide.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateConfigurationSetEventDestination

Creates a configuration set event destination.

> **Note**
>
> When you create or update an event destination, you must provide one, and only one, destination. The destination can be CloudWatch, Amazon Kinesis Firehose, or Amazon Simple Notification Service (Amazon SNS).

An event destination is the AWS service to which Amazon SES publishes the email sending events associated with a configuration set. For information about using configuration sets, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

The name of the configuration set that the event destination should be associated with.

Type: String

Required: Yes

EventDestination

An object that describes the AWS service that email sending event where information is published.

Type: EventDestination object

Required: Yes

Errors

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

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

EventDestinationAlreadyExists

Indicates that the event destination could not be created because of a naming conflict.

ConfigurationSetName

Indicates that the configuration set does not exist.

EventDestinationName

Indicates that the event destination does not exist.

HTTP Status Code: 400

InvalidCloudWatchDestination

Indicates that the Amazon CloudWatch destination is invalid. See the error message for details.

ConfigurationSetName

Indicates that the configuration set does not exist.

EventDestinationName

Indicates that the event destination does not exist.

HTTP Status Code: 400

InvalidFirehoseDestination

Indicates that the Amazon Kinesis Firehose destination is invalid. See the error message for details.

ConfigurationSetName

Indicates that the configuration set does not exist.

EventDestinationName

Indicates that the event destination does not exist.

HTTP Status Code: 400

InvalidSNSDestination

Indicates that the Amazon Simple Notification Service (Amazon SNS) destination is invalid. See the error message for details.

ConfigurationSetName

Indicates that the configuration set does not exist.

EventDestinationName

Indicates that the event destination does not exist.

HTTP Status Code: 400

LimitExceeded

Indicates that a resource could not be created because of service limits. For a list of Amazon SES limits, see the Amazon SES Developer Guide.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateConfigurationSetTrackingOptions

Creates an association between a configuration set and a custom domain for open and click event tracking.

By default, images and links used for tracking open and click events are hosted on domains operated by Amazon SES. You can configure a subdomain of your own to handle these events. For information about using custom domains, see the Amazon SES Developer Guide.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

The name of the configuration set that the tracking options should be associated with.

Type: String

Required: Yes

TrackingOptions

A domain that is used to redirect email recipients to an Amazon SES-operated domain. This domain captures open and click events generated by Amazon SES emails.

For more information, see Configuring Custom Domains to Handle Open and Click Tracking in the *Amazon SES Developer Guide*.

Type: TrackingOptions object

Required: Yes

Errors

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

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

InvalidTrackingOptions

Indicates that the custom domain to be used for open and click tracking redirects is invalid. This error appears most often in the following situations:

- When the tracking domain you specified is not verified in Amazon SES.
- When the tracking domain you specified is not a valid domain or subdomain.

HTTP Status Code: 400

TrackingOptionsAlreadyExists

Indicates that the configuration set you specified already contains a TrackingOptions object.

ConfigurationSetName

Indicates that a TrackingOptions object already exists in the specified configuration set.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- 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 Parameters

For information about the parameters that are common to all actions, see Common Parameters.

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

Required: Yes

TemplateSubject

The subject line of the custom verification email.

Type: String

Required: Yes

Errors

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

CustomVerificationEmailInvalidContent

Indicates that custom verification email template provided content is invalid.

HTTP Status Code: 400

CustomVerificationEmailTemplateAlreadyExists

Indicates that a custom verification email template with the name you specified already exists.

CustomVerificationEmailTemplateName

Indicates that the provided custom verification email template with the specified template name already exists.

HTTP Status Code: 400

FromEmailAddressNotVerified

Indicates that the sender address specified for a custom verification email is not verified, and is therefore not eligible to send the custom verification email.

FromEmailAddress

Indicates that the from email address associated with the custom verification email template is not verified.

HTTP Status Code: 400

LimitExceeded

Indicates that a resource could not be created because of service limits. For a list of Amazon SES limits, see the Amazon SES Developer Guide.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateReceiptFilter

Creates a new IP address filter.

For information about setting up IP address filters, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Filter

A data structure that describes the IP address filter to create, which consists of a name, an IP address range, and whether to allow or block mail from it.

Type: ReceiptFilter object

Required: Yes

Errors

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

AlreadyExists

Indicates that a resource could not be created because of a naming conflict.

Name

Indicates that a resource could not be created because the resource name already exists.

HTTP Status Code: 400

LimitExceeded

Indicates that a resource could not be created because of service limits. For a list of Amazon SES limits, see the Amazon SES Developer Guide.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateReceiptRule

Creates a receipt rule.

For information about setting up receipt rules, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

After

The name of an existing rule after which the new rule is placed. If this parameter is null, the new rule is inserted at the beginning of the rule list.

Type: String

Required: No

Rule

A data structure that contains the specified rule's name, actions, recipients, domains, enabled status, scan status, and TLS policy.

Type: ReceiptRule object

Required: Yes

RuleSetName

The name of the rule set where the receipt rule is added.

Type: String

Required: Yes

Errors

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

AlreadyExists

Indicates that a resource could not be created because of a naming conflict.

Name

Indicates that a resource could not be created because the resource name already exists.

HTTP Status Code: 400

InvalidLambdaFunction

Indicates that the provided AWS Lambda function is invalid, or that Amazon SES could not execute the provided function, possibly due to permissions issues. For information about giving permissions, see the Amazon SES Developer Guide.

FunctionArn

Indicates that the ARN of the function was not found.

HTTP Status Code: 400

InvalidS3Configuration

Indicates that the provided Amazon S3 bucket or AWS KMS encryption key is invalid, or that Amazon SES could not publish to the bucket, possibly due to permissions issues. For information about giving permissions, see the Amazon SES Developer Guide.

Bucket

Indicated that the S3 Bucket was not found.

HTTP Status Code: 400

InvalidSnsTopic

Indicates that the provided Amazon SNS topic is invalid, or that Amazon SES could not publish to the topic, possibly due to permissions issues. For information about giving permissions, see the Amazon SES Developer Guide.

Topic

Indicates that the topic does not exist.

HTTP Status Code: 400

LimitExceeded

Indicates that a resource could not be created because of service limits. For a list of Amazon SES limits, see the Amazon SES Developer Guide.

HTTP Status Code: 400

RuleDoesNotExist

Indicates that the provided receipt rule does not exist.

Name

Indicates that the named receipt rule does not exist.

HTTP Status Code: 400

RuleSetDoesNotExist

Indicates that the provided receipt rule set does not exist.

Name

Indicates that the named receipt rule set does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

CreateReceiptRuleSet

Creates an empty receipt rule set.

For information about setting up receipt rule sets, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

RuleSetName

The name of the rule set to create. The name must meet the following requirements:

- Contain only ASCII letters (a-z, A-Z), numbers (0-9), underscores (_), or dashes (-).
- Start and end with a letter or number.
- Contain 64 characters or fewer.

Type: String

Required: Yes

Errors

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

AlreadyExists

Indicates that a resource could not be created because of a naming conflict.

Name

Indicates that a resource could not be created because the resource name already exists.

HTTP Status Code: 400

LimitExceeded

Indicates that a resource could not be created because of service limits. For a list of Amazon SES limits, see the Amazon SES Developer Guide.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateTemplate

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

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Template

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

Type: Template object

Required: Yes

Errors

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

AlreadyExists

Indicates that a resource could not be created because of a naming conflict.

Name

Indicates that a resource could not be created because the resource name already exists.

HTTP Status Code: 400

InvalidTemplate

Indicates that the template that you specified could not be rendered. This issue may occur when a template refers to a partial that does not exist.

HTTP Status Code: 400

LimitExceeded

Indicates that a resource could not be created because of service limits. For a list of Amazon SES limits, see the Amazon SES Developer Guide.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteConfigurationSet

Deletes a configuration set. Configuration sets enable you to publish email sending events. For information about using configuration sets, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

The name of the configuration set to delete.

Type: String

Required: Yes

Errors

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

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4

- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteConfigurationSetEventDestination

Deletes a configuration set event destination. Configuration set event destinations are associated with configuration sets, which enable you to publish email sending events. For information about using configuration sets, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

The name of the configuration set from which to delete the event destination.

Type: String

Required: Yes

EventDestinationName

The name of the event destination to delete.

Type: String

Required: Yes

Errors

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

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

EventDestinationDoesNotExist

Indicates that the event destination does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

EventDestinationName

Indicates that the event destination does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteConfigurationSetTrackingOptions

Deletes an association between a configuration set and a custom domain for open and click event tracking.

By default, images and links used for tracking open and click events are hosted on domains operated by Amazon SES. You can configure a subdomain of your own to handle these events. For information about using custom domains, see the Amazon SES Developer Guide.

> **Note**
>
> Deleting this kind of association results in emails sent using the specified configuration set to capture open and click events using the standard, Amazon SES-operated domains.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

The name of the configuration set.

Type: String

Required: Yes

Errors

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

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

TrackingOptionsDoesNotExist

Indicates that the TrackingOptions object you specified does not exist.

ConfigurationSetName

Indicates that a TrackingOptions object does not exist in the specified configuration set.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- 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 Parameters

For information about the parameters that are common to all actions, see Common Parameters.

TemplateName

The name of the custom verification email template to delete.

Type: String

Required: Yes

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteIdentity

Deletes the specified identity (an email address or a domain) from the list of verified identities.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Identity

The identity to be removed from the list of identities for the AWS account.

Type: String

Required: Yes

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteIdentityPolicy

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

> **Note**
>
> This operation is for the identity owner only. If you have not verified the identity, it returns 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 Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Identity

The identity that is associated with the policy to delete. You can specify the identity by using its name or by using its Amazon Resource Name (ARN). Examples: `user@example.com`, `example.com`, `arn:aws:ses:us-east-1:123456789012:identity/example.com`.

To successfully call this operation, you must own the identity.

Type: String

Required: Yes

PolicyName

The name of the policy to be deleted.

Type: String

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

Required: Yes

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteReceiptFilter

Deletes the specified IP address filter.

For information about managing IP address filters, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

FilterName

The name of the IP address filter to delete.

Type: String

Required: Yes

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

DeleteReceiptRule

Deletes the specified receipt rule.

For information about managing receipt rules, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

RuleName

The name of the receipt rule to delete.

Type: String

Required: Yes

RuleSetName

The name of the receipt rule set that contains the receipt rule to delete.

Type: String

Required: Yes

Errors

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

RuleSetDoesNotExist

Indicates that the provided receipt rule set does not exist.

Name

Indicates that the named receipt rule set does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteReceiptRuleSet

Deletes the specified receipt rule set and all of the receipt rules it contains.

> **Note**
>
> The currently active rule set cannot be deleted.

For information about managing receipt rule sets, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

RuleSetName

The name of the receipt rule set to delete.

Type: String

Required: Yes

Errors

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

CannotDelete

Indicates that the delete operation could not be completed.

Name

Indicates that a resource could not be deleted because no resource with the specified name exists.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteTemplate

Deletes an email template.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

TemplateName

The name of the template to be deleted.

Type: String

Required: Yes

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteVerifiedEmailAddress

Deprecated. Use the `DeleteIdentity` operation to delete email addresses and domains.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

EmailAddress

An email address to be removed from the list of verified addresses.

Type: String

Required: Yes

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeActiveReceiptRuleSet

Returns the metadata and receipt rules for the receipt rule set that is currently active.

For information about setting up receipt rule sets, see the Amazon SES Developer Guide.

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

Response Elements

The following elements are returned by the service.

Metadata

The metadata for the currently active receipt rule set. The metadata consists of the rule set name and a timestamp of when the rule set was created.

Type: ReceiptRuleSetMetadata object

Rules.member.N

The receipt rules that belong to the active rule set.

Type: Array of ReceiptRule objects

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeConfigurationSet

Returns the details of the specified configuration set. For information about using configuration sets, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetAttributeNames.member.N

A list of configuration set attributes to return.

Type: Array of strings

Valid Values: `eventDestinations | trackingOptions | deliveryOptions | reputationOptions`

Required: No

ConfigurationSetName

The name of the configuration set to describe.

Type: String

Required: Yes

Response Elements

The following elements are returned by the service.

ConfigurationSet

The configuration set object associated with the specified configuration set.

Type: ConfigurationSet object

DeliveryOptions

Specifies whether messages that use the configuration set are required to use Transport Layer Security (TLS).

Type: DeliveryOptions object

EventDestinations.member.N

A list of event destinations associated with the configuration set.

Type: Array of EventDestination objects

ReputationOptions

An object that represents the reputation settings for the configuration set.

Type: ReputationOptions object

TrackingOptions

The name of the custom open and click tracking domain associated with the configuration set.

Type: TrackingOptions object

Errors

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

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeReceiptRule

Returns the details of the specified receipt rule.

For information about setting up receipt rules, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

RuleName

The name of the receipt rule.

Type: String

Required: Yes

RuleSetName

The name of the receipt rule set that the receipt rule belongs to.

Type: String

Required: Yes

Response Elements

The following element is returned by the service.

Rule

A data structure that contains the specified receipt rule's name, actions, recipients, domains, enabled status, scan status, and Transport Layer Security (TLS) policy.

Type: ReceiptRule object

Errors

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

RuleDoesNotExist

Indicates that the provided receipt rule does not exist.

Name

Indicates that the named receipt rule does not exist.

HTTP Status Code: 400

RuleSetDoesNotExist

Indicates that the provided receipt rule set does not exist.

Name

Indicates that the named receipt rule set does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeReceiptRuleSet

Returns the details of the specified receipt rule set.

For information about managing receipt rule sets, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

RuleSetName

The name of the receipt rule set to describe.

Type: String

Required: Yes

Response Elements

The following elements are returned by the service.

Metadata

The metadata for the receipt rule set, which consists of the rule set name and the timestamp of when the rule set was created.

Type: ReceiptRuleSetMetadata object

Rules.member.N

A list of the receipt rules that belong to the specified receipt rule set.

Type: Array of ReceiptRule objects

Errors

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

RuleSetDoesNotExist

Indicates that the provided receipt rule set does not exist.

Name

Indicates that the named receipt rule set does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetAccountSendingEnabled

Returns the email sending status of the Amazon SES account for the current Region.

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

Response Elements

The following element is returned by the service.

Enabled

Describes whether email sending is enabled or disabled for your Amazon SES account in the current AWS Region.

Type: Boolean

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- 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 Parameters

For information about the parameters that are common to all actions, see Common Parameters.

TemplateName

The name of the custom verification email template to retrieve.

Type: String

Required: Yes

Response Elements

The following elements are returned 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

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 Error Types.

CustomVerificationEmailTemplateDoesNotExist

Indicates that a custom verification email template with the name you specified does not exist.

CustomVerificationEmailTemplateName

Indicates that the provided custom verification email template does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetIdentityDkimAttributes

Returns the current status of Easy DKIM signing for an entity. For domain name identities, this operation also returns the DKIM tokens that are required for Easy DKIM signing, and whether Amazon SES has successfully verified that these tokens have been published.

This operation takes a list of identities as input and returns the following information for each:

- Whether Easy DKIM signing is enabled or disabled.
- A set of DKIM tokens that represent the identity. If the identity is an email address, the tokens represent the domain of that address.
- Whether Amazon SES has successfully verified the DKIM tokens published in the domain's DNS. This information is only returned for domain name identities, not for email addresses.

This operation is throttled at one request per second and can only get DKIM attributes for up to 100 identities at a time.

For more information about creating DNS records using DKIM tokens, go to the Amazon SES Developer Guide.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Identities.member.N

A list of one or more verified identities - email addresses, domains, or both.

Type: Array of strings

Required: Yes

Response Elements

The following element is returned by the service.

DkimAttributes , DkimAttributes.entry.N.key (key), DkimAttributes.entry.N.value (value)

The DKIM attributes for an email address or a domain.

Type: String to IdentityDkimAttributes object map

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetIdentityMailFromDomainAttributes

Returns the custom MAIL FROM attributes for a list of identities (email addresses : domains).

This operation is throttled at one request per second and can only get custom MAIL FROM attributes for up to 100 identities at a time.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Identities.member.N

A list of one or more identities.

Type: Array of strings

Required: Yes

Response Elements

The following element is returned by the service.

MailFromDomainAttributes , MailFromDomainAttributes.entry.N.key (key), MailFromDomainAttributes.entry.N.value (value)

A map of identities to custom MAIL FROM attributes.

Type: String to IdentityMailFromDomainAttributes object map

Errors

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

See Also

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

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetIdentityNotificationAttributes

Given a list of verified identities (email addresses and/or domains), returns a structure describing identity notification attributes.

This operation is throttled at one request per second and can only get notification attributes for up to 100 identities at a time.

For more information about using notifications with Amazon SES, see the Amazon SES Developer Guide.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Identities.member.N

A list of one or more identities. You can specify an identity by using its name or by using its Amazon Resource Name (ARN). Examples: `user@example.com`, `example.com`, `arn:aws:ses:us-east-1:123456789012:identity/example.com`.

Type: Array of strings

Required: Yes

Response Elements

The following element is returned by the service.

NotificationAttributes , NotificationAttributes.entry.N.key (key), NotificationAttributes.entry.N.value (value)

A map of Identity to IdentityNotificationAttributes.

Type: String to IdentityNotificationAttributes object map

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetIdentityPolicies

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 operation is for the identity owner only. If you have not verified the identity, it returns 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 Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Identity

The identity for which the policies are retrieved. You can specify an identity by using its name or by using its Amazon Resource Name (ARN). Examples: `user@example.com`, `example.com`, `arn:aws:ses:us-east-1:123456789012:identity/example.com`.

To successfully call this operation, you must own the identity.

Type: String

Required: Yes

PolicyNames.member.N

A list of the names of policies to be retrieved. You can retrieve a maximum of 20 policies at a time. If you do not know the names of the policies that are attached to the identity, you can use `ListIdentityPolicies`.

Type: Array of strings

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

Required: Yes

Response Elements

The following element is returned by the service.

Policies , Policies.entry.N.key (key), Policies.entry.N.value (value)

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 Error Types.

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetIdentityVerificationAttributes

Given a list of identities (email addresses and/or domains), returns the verification status and (for domain identities) the verification token for each identity.

The verification status of an email address is "Pending" until the email address owner clicks the link within the verification email that Amazon SES sent to that address. If the email address owner clicks the link within 24 hours, the verification status of the email address changes to "Success". If the link is not clicked within 24 hours, the verification status changes to "Failed." In that case, to verify the email address, you must restart the verification process from the beginning.

For domain identities, the domain's verification status is "Pending" as Amazon SES searches for the required TXT record in the DNS settings of the domain. When Amazon SES detects the record, the domain's verification status changes to "Success". If Amazon SES is unable to detect the record within 72 hours, the domain's verification status changes to "Failed." In that case, to verify the domain, you must restart the verification process from the beginning.

This operation is throttled at one request per second and can only get verification attributes for up to 100 identities at a time.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Identities.member.N

A list of identities.

Type: Array of strings

Required: Yes

Response Elements

The following element is returned by the service.

VerificationAttributes , VerificationAttributes.entry.N.key (key), VerificationAttributes.entry.N.value (value)

A map of Identities to IdentityVerificationAttributes objects.

Type: String to IdentityVerificationAttributes object map

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetSendQuota

Provides the sending limits for the Amazon SES account.

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

Response Elements

The following elements are returned by the service.

Max24HourSend

The maximum number of emails the user is allowed to send in a 24-hour interval. A value of -1 signifies an unlimited quota.

Type: Double

MaxSendRate

The maximum number of emails that Amazon SES can accept from the user's account per second.

> **Note**
>
> The rate at which Amazon SES accepts the user's messages might be less than the maximum send rate.

Type: Double

SentLast24Hours

The number of emails sent during the previous 24 hours.

Type: Double

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetSendStatistics

Provides sending statistics for the current AWS Region. The result is a list of data points, representing the last two weeks of sending activity. Each data point in the list contains statistics for a 15-minute period of time.

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

Response Elements

The following element is returned by the service.

SendDataPoints.member.N

A list of data points, each of which represents 15 minutes of activity.

Type: Array of SendDataPoint objects

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetTemplate

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 Parameters

For information about the parameters that are common to all actions, see Common Parameters.

TemplateName

The name of the template to retrieve.

Type: String

Required: Yes

Response Elements

The following element is returned by the service.

Template

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

Type: Template object

Errors

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

TemplateDoesNotExist

Indicates that the Template object you specified does not exist in your Amazon SES account.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListConfigurationSets

Provides a list of the configuration sets associated with your Amazon SES account in the current AWS Region. For information about using configuration sets, see Monitoring Your Amazon SES Sending Activity in the *Amazon SES Developer Guide.*

You can execute this operation no more than once per second. This operation returns up to 1,000 configuration sets each time it is run. If your Amazon SES account has more than 1,000 configuration sets, this operation also returns `NextToken`. You can then execute the `ListConfigurationSets` operation again, passing the `NextToken` parameter and the value of the NextToken element to retrieve additional results.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

MaxItems

The number of configuration sets to return.

Type: Integer

Required: No

NextToken

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

Type: String

Required: No

Response Elements

The following elements are returned by the service.

ConfigurationSets.member.N

A list of configuration sets.

Type: Array of ConfigurationSet objects

NextToken

A token indicating that there are additional configuration sets available to be listed. Pass this token to successive calls of `ListConfigurationSets`.

Type: String

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- 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 Parameters

For information about the parameters that are common to all actions, see Common Parameters.

MaxResults

The maximum number of custom verification email templates to return. This value must be at least 1 and less than or equal to 50. If you do not specify a value, or if you specify a value less than 1 or greater than 50, the operation returns up to 50 results.

Type: Integer

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

Required: No

NextToken

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

Type: String

Required: No

Response Elements

The following elements are returned by the service.

CustomVerificationEmailTemplates.member.N

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

Type: Array of CustomVerificationEmailTemplate 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 `ListTemplates` 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 Error Types.

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListIdentities

Returns a list containing all of the identities (email addresses and domains) for your AWS account in the current AWS Region, regardless of verification status.

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

> **Note**
>
> It's recommended that for successive pagination calls of this API, you continue to the use the same parameter/value pairs as used in the original call, e.g., if you used `IdentityType=Domain` in the the original call and received a `NextToken` in the response, you should continue providing the `IdentityType=Domain` parameter for further `NextToken` calls; however, if you didn't provide the `IdentityType` parameter in the original call, then continue to not provide it for successive pagination calls. Using this protocol will ensure consistent results.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

IdentityType

The type of the identities to list. Possible values are "EmailAddress" and "Domain". If this parameter is omitted, then all identities are listed.

Type: String

Valid Values: `EmailAddress | Domain`

Required: No

MaxItems

The maximum number of identities per page. Possible values are 1-1000 inclusive.

Type: Integer

Required: No

NextToken

The token to use for pagination.

Type: String

Required: No

Response Elements

The following elements are returned by the service.

Identities.member.N

A list of identities.

Type: Array of strings

NextToken

The token used for pagination.

Type: String

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListIdentityPolicies

Returns a list of sending authorization policies that are attached to the given identity (an email address or a domain). This operation returns only a list. To get the actual policy content, use `GetIdentityPolicies`.

> **Note**
>
> This operation is for the identity owner only. If you have not verified the identity, it returns 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 Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Identity

The identity that is associated with the policy for which the policies are listed. You can specify an identity by using its name or by using its Amazon Resource Name (ARN). Examples: `user@example.com`, `example.com`, `arn:aws:ses:us-east-1:123456789012:identity/example.com`.

To successfully call this operation, you must own the identity.

Type: String

Required: Yes

Response Elements

The following element is returned by the service.

PolicyNames.member.N

A list of names of policies that apply to the specified identity.

Type: Array of strings

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

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListReceiptFilters

Lists the IP address filters associated with your AWS account in the current AWS Region.

For information about managing IP address filters, see the Amazon SES Developer Guide.

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

Response Elements

The following element is returned by the service.

Filters.member.N

A list of IP address filter data structures, which each consist of a name, an IP address range, and whether to allow or block mail from it.

Type: Array of ReceiptFilter objects

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

ListReceiptRuleSets

Lists the receipt rule sets that exist under your AWS account in the current AWS Region. If there are additional receipt rule sets to be retrieved, you receive a `NextToken` that you can provide to the next call to `ListReceiptRuleSets` to retrieve the additional entries.

For information about managing receipt rule sets, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

NextToken

A token returned from a previous call to `ListReceiptRuleSets` to indicate the position in the receipt rule set list.

Type: String

Required: No

Response Elements

The following elements are returned by the service.

NextToken

A token indicating that there are additional receipt rule sets available to be listed. Pass this token to successive calls of `ListReceiptRuleSets` to retrieve up to 100 receipt rule sets at a time.

Type: String

RuleSets.member.N

The metadata for the currently active receipt rule set. The metadata consists of the rule set name and the timestamp of when the rule set was created.

Type: Array of ReceiptRuleSetMetadata objects

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListTemplates

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 Parameters

For information about the parameters that are common to all actions, see Common Parameters.

MaxItems

The maximum number of templates to return. This value must be at least 1 and less than or equal to 100. If more than 100 items are requested, the page size will automatically set to 100. If you do not specify a value, 10 is the default page size.

Type: Integer

Required: No

NextToken

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

Type: String

Required: No

Response Elements

The following elements are returned by the service.

NextToken

A token indicating that there are additional email templates available to be listed. Pass this token to a subsequent call to `ListTemplates` to retrieve the next set of email templates within your page size.

Type: String

TemplatesMetadata.member.N

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

Type: Array of TemplateMetadata objects

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListVerifiedEmailAddresses

Deprecated. Use the `ListIdentities` operation to list the email addresses and domains associated with your account.

Response Elements

The following element is returned by the service.

VerifiedEmailAddresses.member.N

A list of email addresses that have been verified.

Type: Array of strings

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutConfigurationSetDeliveryOptions

Adds or updates the delivery options for a configuration set.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

The name of the configuration set.

Type: String

Required: Yes

DeliveryOptions

Specifies whether messages that use the configuration set are required to use Transport Layer Security (TLS).

Type: DeliveryOptions object

Required: No

Errors

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

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

InvalidDeliveryOptions

Indicates that provided delivery option is invalid.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutIdentityPolicy

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

> **Note**
>
> This operation is for the identity owner only. If you have not verified the identity, it returns 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 Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Identity

The identity to which that the policy applies. You can specify an identity by using its name or by using its Amazon Resource Name (ARN). Examples: `user@example.com`, `example.com`, `arn:aws:ses:us-east-1:123456789012:identity/example.com`.

To successfully call this operation, you must own the identity.

Type: String

Required: Yes

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

PolicyName

The name of the policy.

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

Type: String

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

Required: Yes

Errors

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

InvalidPolicy

Indicates that the provided policy is invalid. Check the error stack for more information about what caused the error.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ReorderReceiptRuleSet

Reorders the receipt rules within a receipt rule set.

> **Note**
>
> All of the rules in the rule set must be represented in this request. That is, it is error if the reorder request doesn't explicitly position all of the rules.

For information about managing receipt rule sets, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

RuleNames.member.N

The specified receipt rule set's receipt rules, in order.

Type: Array of strings

Required: Yes

RuleSetName

The name of the receipt rule set to reorder.

Type: String

Required: Yes

Errors

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

RuleDoesNotExist

Indicates that the provided receipt rule does not exist.

Name

Indicates that the named receipt rule does not exist.

HTTP Status Code: 400

RuleSetDoesNotExist

Indicates that the provided receipt rule set does not exist.

Name

Indicates that the named receipt rule set does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SendBounce

Generates and sends a bounce message to the sender of an email you received through Amazon SES. You can only use this operation on an email up to 24 hours after you receive it.

> **Note**
>
> You cannot use this operation to send generic bounces for mail that was not received by Amazon SES.

For information about receiving email through Amazon SES, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

BouncedRecipientInfoList.member.N

A list of recipients of the bounced message, including the information required to create the Delivery Status Notifications (DSNs) for the recipients. You must specify at least one `BouncedRecipientInfo` in the list.

Type: Array of BouncedRecipientInfo objects

Required: Yes

BounceSender

The address to use in the "From" header of the bounce message. This must be an identity that you have verified with Amazon SES.

Type: String

Required: Yes

BounceSenderArn

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 address in the

"From" header of the bounce. For more information about sending authorization, see the Amazon SES Developer Guide.

Type: String

Required: No

Explanation

Human-readable text for the bounce message to explain the failure. If not specified, the text is auto-generated based on the bounced recipient information.

Type: String

Required: No

MessageDsn

Message-related DSN fields. If not specified, Amazon SES chooses the values.

Type: MessageDsn object

Required: No

OriginalMessageId

The message ID of the message to be bounced.

Type: String

Required: Yes

Response Elements

The following element is returned by the service.

MessageId

The message ID of the bounce message.

Type: String

Errors

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

MessageRejected

Indicates that the action failed, and the message could not be sent. Check the error stack for more information about what caused the error.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SendBulkTemplatedEmail

Composes an email message to multiple destinations. The message body is created using an email template.

To send email using this operation, your call must meet the following requirements:

- The call must refer to an existing email template. You can create email templates using CreateTemplate.
- The message must be sent from a verified email address or domain.
- If your account is still in the Amazon SES sandbox, you may send only to verified addresses or domains, or to email addresses associated with the Amazon SES Mailbox Simulator. For more information, see Verifying Email Addresses and Domains in the *Amazon SES Developer Guide.*
- The maximum message size is 10 MB.
- Each `Destination` parameter must include at least one recipient email address. The recipient address can be a To: address, a CC: address, or a BCC: address. If a recipient email address is invalid (that is, it is not in the format *UserName@[SubDomain.]Domain.TopLevelDomain*), the entire message is rejected, even if the message contains other recipients that are valid.
- The message may not include more than 50 recipients, across the To:, CC: and BCC: fields. If you need to send an email message to a larger audience, you can divide your recipient list into groups of 50 or fewer, and then call the `SendBulkTemplatedEmail` operation several times to send the message to each group.
- The number of destinations you can contact in a single call can be limited by your account's maximum sending rate.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

The name of the configuration set to use when you send an email using `SendBulkTemplatedEmail`.

Type: String

Required: No

DefaultTags.member.N

A list of tags, in the form of name/value pairs, to apply to an email that you send to a destination using `SendBulkTemplatedEmail`.

Type: Array of MessageTag objects

Required: No

DefaultTemplateData

A list of replacement values to apply to the template when replacement data is not specified in a Destination object. These values act as a default or fallback option when no other data is available.

The template data 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

Destinations.member.N

One or more `Destination` objects. All of the recipients in a `Destination` receive the same version of the email. You can specify up to 50 `Destination` objects within a `Destinations` array.

Type: Array of BulkEmailDestination objects

Required: Yes

ReplyToAddresses.member.N

The reply-to email address(es) for the message. If the recipient replies to the message, each reply-to address receives the reply.

Type: Array of strings

Required: No

ReturnPath

The email address that bounces and complaints are forwarded to when feedback forwarding is enabled. If the message cannot be delivered to the recipient, then an error message is returned

from the recipient's ISP; this message is forwarded to the email address specified by the `ReturnPath` parameter. The `ReturnPath` parameter is never overwritten. This email address must be either individually verified with Amazon SES, or from a domain that has been verified with Amazon SES.

Type: String

Required: No

ReturnPathArn

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 `ReturnPath` 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 `ReturnPathArn` to be `arn:aws:ses:us-east-1:123456789012:identity/example.com`, and the `ReturnPath` to be `feedback@example.com`.

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

Type: String

Required: No

Source

The email address that is sending the email. This email address must be either individually verified with Amazon SES, or from a domain that has been verified with Amazon SES. For information about verifying identities, see the Amazon SES Developer Guide.

If you are sending on behalf of another user and have been permitted to do so by a sending authorization policy, then you must also specify the `SourceArn` parameter. For more information about sending authorization, see the Amazon SES Developer Guide.

> **Note**
>
> Amazon SES does not support the SMTPUTF8 extension, as described in RFC6531. For this reason, the email address string must be 7-bit ASCII. If you want to send to or from email addresses that contain Unicode characters in the domain part of an address, you

must encode the domain using Punycode. Punycode is not permitted in the local part of the email address (the part before the @ sign) nor in the "friendly from" name. If you want to use Unicode characters in the "friendly from" name, you must encode the "friendly from" name using MIME encoded-word syntax, as described in Sending raw email using the Amazon SES API. For more information about Punycode, see RFC 3492.

Type: String

Required: Yes

SourceArn

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 send for the email address specified in the `Source` 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 send from `user@example.com`, then you would specify the `SourceArn` to be `arn:aws:ses:us-east-1:123456789012:identity/example.com`, and the `Source` to be `user@example.com`.

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

Type: String

Required: No

Template

The template to use when sending this email.

Type: String

Required: Yes

TemplateArn

The ARN of the template to use when sending this email.

Type: String

Required: No

Response Elements

The following element is returned by the service.

Status.member.N

One object per intended recipient. Check each response object and retry any messages with a failure status. (Note that order of responses will be respective to order of destinations in the request.)Receipt rules enable you to specify which actions

Type: Array of BulkEmailDestinationStatus objects

Errors

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

AccountSendingPaused

Indicates that email sending is disabled for your entire Amazon SES account.

You can enable or disable email sending for your Amazon SES account using UpdateAccountSendingEnabled.

HTTP Status Code: 400

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

ConfigurationSetSendingPaused

Indicates that email sending is disabled for the configuration set.

You can enable or disable email sending for a configuration set using UpdateConfigurationSetSendingEnabled.

ConfigurationSetName

The name of the configuration set for which email sending is disabled.

HTTP Status Code: 400

MailFromDomainNotVerified

Indicates that the message could not be sent because Amazon SES could not read the MX record required to use the specified MAIL FROM domain. For information about editing the custom MAIL FROM domain settings for an identity, see the Amazon SES Developer Guide.

HTTP Status Code: 400

MessageRejected

Indicates that the action failed, and the message could not be sent. Check the error stack for more information about what caused the error.

HTTP Status Code: 400

TemplateDoesNotExist

Indicates that the Template object you specified does not exist in your Amazon SES account.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- 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 Parameters

For information about the parameters that are common to all actions, see Common Parameters.

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

Required: Yes

Response Elements

The following element is returned 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 Error Types.

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

CustomVerificationEmailTemplateDoesNotExist

Indicates that a custom verification email template with the name you specified does not exist.

CustomVerificationEmailTemplateName

Indicates that the provided custom verification email template does not exist.

HTTP Status Code: 400

FromEmailAddressNotVerified

Indicates that the sender address specified for a custom verification email is not verified, and is therefore not eligible to send the custom verification email.

FromEmailAddress

Indicates that the from email address associated with the custom verification email template is not verified.

HTTP Status Code: 400

MessageRejected

Indicates that the action failed, and the message could not be sent. Check the error stack for more information about what caused the error.

HTTP Status Code: 400

ProductionAccessNotGranted

Indicates that the account has not been granted production access.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SendEmail

Composes an email message and immediately queues it for sending. To send email using this operation, your message must meet the following requirements:

- The message must be sent from a verified email address or domain. If you attempt to send email using a non-verified address or domain, the operation results in an "Email address not verified" error.
- If your account is still in the Amazon SES sandbox, you may only send to verified addresses or domains, or to email addresses associated with the Amazon SES Mailbox Simulator. For more information, see Verifying Email Addresses and Domains in the *Amazon SES Developer Guide.*
- The maximum message size is 10 MB.
- The message must include at least one recipient email address. The recipient address can be a To: address, a CC: address, or a BCC: address. If a recipient email address is invalid (that is, it is not in the format *UserName@[SubDomain.]Domain.TopLevelDomain*), the entire message is rejected, even if the message contains other recipients that are valid.
- The message may not include more than 50 recipients, across the To:, CC: and BCC: fields. If you need to send an email message to a larger audience, you can divide your recipient list into groups of 50 or fewer, and then call the `SendEmail` operation several times to send the message to each group.

> **Important**
>
> For every message that you send, the total number of recipients (including each recipient in the To:, CC: and BCC: fields) is counted against the maximum number of emails you can send in a 24-hour period (your *sending quota*). For more information about sending quotas in Amazon SES, see Managing Your Amazon SES Sending Limits in the *Amazon SES Developer Guide.*

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

The name of the configuration set to use when you send an email using `SendEmail`.

Type: String

Required: No

Destination

The destination for this email, composed of To:, CC:, and BCC: fields.

Type: Destination object

Required: Yes

Message

The message to be sent.

Type: Message object

Required: Yes

ReplyToAddresses.member.N

The reply-to email address(es) for the message. If the recipient replies to the message, each reply-to address receives the reply.

Type: Array of strings

Required: No

ReturnPath

The email address that bounces and complaints are forwarded to when feedback forwarding is enabled. If the message cannot be delivered to the recipient, then an error message is returned from the recipient's ISP; this message is forwarded to the email address specified by the `ReturnPath` parameter. The `ReturnPath` parameter is never overwritten. This email address must be either individually verified with Amazon SES, or from a domain that has been verified with Amazon SES.

Type: String

Required: No

ReturnPathArn

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 `ReturnPath` 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 `ReturnPathArn` to be `arn:aws:ses:us-east-1:123456789012:identity/example.com`, and the `ReturnPath` to be `feedback@example.com`.

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

Type: String

Required: No

Source

The email address that is sending the email. This email address must be either individually verified with Amazon SES, or from a domain that has been verified with Amazon SES. For information about verifying identities, see the Amazon SES Developer Guide.

If you are sending on behalf of another user and have been permitted to do so by a sending authorization policy, then you must also specify the `SourceArn` parameter. For more information about sending authorization, see the Amazon SES Developer Guide.

> **Note**
>
> Amazon SES does not support the SMTPUTF8 extension, as described in RFC6531. For this reason, the email address string must be 7-bit ASCII. If you want to send to or from email addresses that contain Unicode characters in the domain part of an address, you must encode the domain using Punycode. Punycode is not permitted in the local part of the email address (the part before the @ sign) nor in the "friendly from" name. If you want to use Unicode characters in the "friendly from" name, you must encode the "friendly from" name using MIME encoded-word syntax, as described in Sending raw email using the Amazon SES API. For more information about Punycode, see RFC 3492.

Type: String

Required: Yes

SourceArn

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 send for the email address specified in the `Source` 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 send from `user@example.com`, then you would specify the `SourceArn` to be `arn:aws:ses:us-east-1:123456789012:identity/example.com`, and the `Source` to be `user@example.com`.

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

Type: String

Required: No

Tags.member.N

A list of tags, in the form of name/value pairs, to apply to an email that you send using `SendEmail`. 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

Response Elements

The following element is returned by the service.

MessageId

The unique message identifier returned from the `SendEmail` action.

Type: String

Errors

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

AccountSendingPaused

Indicates that email sending is disabled for your entire Amazon SES account.

You can enable or disable email sending for your Amazon SES account using UpdateAccountSendingEnabled.

HTTP Status Code: 400

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

ConfigurationSetSendingPaused

Indicates that email sending is disabled for the configuration set.

You can enable or disable email sending for a configuration set using UpdateConfigurationSetSendingEnabled.

ConfigurationSetName

The name of the configuration set for which email sending is disabled.

HTTP Status Code: 400

MailFromDomainNotVerified

Indicates that the message could not be sent because Amazon SES could not read the MX record required to use the specified MAIL FROM domain. For information about editing the custom MAIL FROM domain settings for an identity, see the Amazon SES Developer Guide.

HTTP Status Code: 400

MessageRejected

Indicates that the action failed, and the message could not be sent. Check the error stack for more information about what caused the error.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SendRawEmail

Composes an email message and immediately queues it for sending.

This operation is more flexible than the `SendEmail` operation. When you use the `SendRawEmail` operation, you can specify the headers of the message as well as its content. This flexibility is useful, for example, when you need to send a multipart MIME email (such a message that contains both a text and an HTML version). You can also use this operation to send messages that include attachments.

The `SendRawEmail` operation has the following requirements:

- You can only send email from verified email addresses or domains. If you try to send email from an address that isn't verified, the operation results in an "Email address not verified" error.
- If your account is still in the Amazon SES sandbox, you can only send email to other verified addresses in your account, or to addresses that are associated with the Amazon SES mailbox simulator.
- The maximum message size, including attachments, is 10 MB.
- Each message has to include at least one recipient address. A recipient address includes any address on the To:, CC:, or BCC: lines.
- If you send a single message to more than one recipient address, and one of the recipient addresses isn't in a valid format (that is, it's not in the format *UserName@[SubDomain.]Domain.TopLevelDomain*), Amazon SES rejects the entire message, even if the other addresses are valid.
- Each message can include up to 50 recipient addresses across the To:, CC:, or BCC: lines. If you need to send a single message to more than 50 recipients, you have to split the list of recipient addresses into groups of less than 50 recipients, and send separate messages to each group.
- Amazon SES allows you to specify 8-bit Content-Transfer-Encoding for MIME message parts. However, if Amazon SES has to modify the contents of your message (for example, if you use open and click tracking), 8-bit content isn't preserved. For this reason, we highly recommend that you encode all content that isn't 7-bit ASCII. For more information, see MIME Encoding in the *Amazon SES Developer Guide*.

Additionally, keep the following considerations in mind when using the `SendRawEmail` operation:

- Although you can customize the message headers when using the `SendRawEmail` operation, Amazon SES automatically applies its own `Message-ID` and `Date` headers; if you passed these headers when creating the message, they are overwritten by the values that Amazon SES provides.
- If you are using sending authorization to send on behalf of another user, `SendRawEmail` enables you to specify the cross-account identity for the email's Source, From, and Return-Path parameters in one of two ways: you can pass optional parameters `SourceArn`, `FromArn`, and/or `ReturnPathArn`, or you can include the following X-headers in the header of your raw email:
  - `X-SES-SOURCE-ARN`
  - `X-SES-FROM-ARN`
  - `X-SES-RETURN-PATH-ARN`

  > **Important**
  >
  > Don't include these X-headers in the DKIM signature. Amazon SES removes these before it sends the email.

  If you only specify the `SourceIdentityArn` parameter, Amazon SES sets the From and Return-Path addresses to the same identity that you specified.

  For more information about sending authorization, see the Using Sending Authorization with Amazon SES in the *Amazon SES Developer Guide.*
- For every message that you send, the total number of recipients (including each recipient in the To:, CC: and BCC: fields) is counted against the maximum number of emails you can send in a 24-hour period (your *sending quota*). For more information about sending quotas in Amazon SES, see Managing Your Amazon SES Sending Limits in the *Amazon SES Developer Guide.*

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

The name of the configuration set to use when you send an email using `SendRawEmail`.

Type: String

Required: No

Destinations.member.N

A list of destinations for the message, consisting of To:, CC:, and BCC: addresses.

Type: Array of strings

Required: No

FromArn

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 specify a particular "From" address in the header of the raw email.

Instead of using this parameter, you can use the X-header `X-SES-FROM-ARN` in the raw message of the email. If you use both the `FromArn` parameter and the corresponding X-header, Amazon SES uses the value of the `FromArn` parameter.

> **Note**
>
> For information about when to use this parameter, see the description of `SendRawEmail` in this guide, or see the Amazon SES Developer Guide.

Type: String

Required: No

RawMessage

The raw email message itself. The message has to meet the following criteria:

- The message has to contain a header and a body, separated by a 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 of a content type that Amazon SES supports. For a list on unsupported content types, see Unsupported Attachment Types in the *Amazon SES Developer Guide*.
- The entire message must be base64-encoded.

- If any of the MIME parts in your message contain content that is outside of the 7-bit ASCII character range, we highly recommend that you encode that content. For more information, see Sending Raw Email in the *Amazon SES Developer Guide*.
- Per RFC 5321, the maximum length of each line of text, including the <CRLF>, must not exceed 1,000 characters.

Type: RawMessage object

Required: Yes

ReturnPathArn

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 `ReturnPath` 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 `ReturnPathArn` to be `arn:aws:ses:us-east-1:123456789012:identity/example.com`, and the `ReturnPath` to be `feedback@example.com`.

Instead of using this parameter, you can use the X-header `X-SES-RETURN-PATH-ARN` in the raw message of the email. If you use both the `ReturnPathArn` parameter and the corresponding X-header, Amazon SES uses the value of the `ReturnPathArn` parameter.

> **Note**
>
> For information about when to use this parameter, see the description of `SendRawEmail` in this guide, or see the Amazon SES Developer Guide.

Type: String

Required: No

Source

The identity's email address. If you do not provide a value for this parameter, you must specify a "From" address in the raw text of the message. (You can also specify both.)

> **Note**
>
> Amazon SES does not support the SMTPUTF8 extension, as described inRFC6531. For this reason, the email address string must be 7-bit ASCII. If you want to send to or from email addresses that contain Unicode characters in the domain part of an address, you must encode the domain using Punycode. Punycode is not permitted in the local part of the email address (the part before the @ sign) nor in the "friendly from" name. If you want to use Unicode characters in the "friendly from" name, you must encode the "friendly from" name using MIME encoded-word syntax, as described in Sending raw email using the Amazon SES API. For more information about Punycode, see RFC 3492.

If you specify the `Source` parameter and have feedback forwarding enabled, then bounces and complaints are sent to this email address. This takes precedence over any Return-Path header that you might include in the raw text of the message.

Type: String

Required: No

SourceArn

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 send for the email address specified in the `Source` 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 send from `user@example.com`, then you would specify the `SourceArn` to be `arn:aws:ses:us-east-1:123456789012:identity/example.com`, and the `Source` to be `user@example.com`.

Instead of using this parameter, you can use the X-header `X-SES-SOURCE-ARN` in the raw message of the email. If you use both the `SourceArn` parameter and the corresponding X-header, Amazon SES uses the value of the `SourceArn` parameter.

> **Note**
>
> For information about when to use this parameter, see the description of `SendRawEmail` in this guide, or see the Amazon SES Developer Guide.

Type: String

Required: No

Tags.member.N

A list of tags, in the form of name/value pairs, to apply to an email that you send using `SendRawEmail`. 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

Response Elements

The following element is returned by the service.

MessageId

The unique message identifier returned from the `SendRawEmail` action.

Type: String

Errors

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

AccountSendingPaused

Indicates that email sending is disabled for your entire Amazon SES account.

You can enable or disable email sending for your Amazon SES account using UpdateAccountSendingEnabled.

HTTP Status Code: 400

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

ConfigurationSetSendingPaused

Indicates that email sending is disabled for the configuration set.

You can enable or disable email sending for a configuration set using UpdateConfigurationSetSendingEnabled.

ConfigurationSetName

The name of the configuration set for which email sending is disabled.

HTTP Status Code: 400

MailFromDomainNotVerified

Indicates that the message could not be sent because Amazon SES could not read the MX record required to use the specified MAIL FROM domain. For information about editing the custom MAIL FROM domain settings for an identity, see the Amazon SES Developer Guide.

HTTP Status Code: 400

MessageRejected

Indicates that the action failed, and the message could not be sent. Check the error stack for more information about what caused the error.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SendTemplatedEmail

Composes an email message using an email template and immediately queues it for sending.

To send email using this operation, your call must meet the following requirements:

- The call must refer to an existing email template. You can create email templates using the CreateTemplate operation.
- The message must be sent from a verified email address or domain.
- If your account is still in the Amazon SES sandbox, you may only send to verified addresses or domains, or to email addresses associated with the Amazon SES Mailbox Simulator. For more information, see Verifying Email Addresses and Domains in the *Amazon SES Developer Guide.*
- The maximum message size is 10 MB.
- Calls to the `SendTemplatedEmail` operation may only include one `Destination` parameter. A destination is a set of recipients that receives the same version of the email. The `Destination` parameter can include up to 50 recipients, across the To:, CC: and BCC: fields.
- The `Destination` parameter must include at least one recipient email address. The recipient address can be a To: address, a CC: address, or a BCC: address. If a recipient email address is invalid (that is, it is not in the format *UserName@[SubDomain.]Domain.TopLevelDomain*), the entire message is rejected, even if the message contains other recipients that are valid.

Important

If your call to the `SendTemplatedEmail` operation includes all of the required parameters, Amazon SES accepts it and returns a Message ID. However, if Amazon SES can't render the email because the template contains errors, it doesn't send the email. Additionally, because it already accepted the message, Amazon SES doesn't return a message stating that it was unable to send the email.

For these reasons, we highly recommend that you set up Amazon SES to send you notifications when Rendering Failure events occur. For more information, see Sending Personalized Email Using the Amazon SES API in the *Amazon Simple Email Service Developer Guide*.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

The name of the configuration set to use when you send an email using `SendTemplatedEmail`.

Type: String

Required: No

Destination

The destination for this email, composed of To:, CC:, and BCC: fields. A Destination can include up to 50 recipients across these three fields.

Type: Destination object

Required: Yes

ReplyToAddresses.member.N

The reply-to email address(es) for the message. If the recipient replies to the message, each reply-to address receives the reply.

Type: Array of strings

Required: No

ReturnPath

The email address that bounces and complaints are forwarded to when feedback forwarding is enabled. If the message cannot be delivered to the recipient, then an error message is returned from the recipient's ISP; this message is forwarded to the email address specified by the `ReturnPath` parameter. The `ReturnPath` parameter is never overwritten. This email address must be either individually verified with Amazon SES, or from a domain that has been verified with Amazon SES.

Type: String

Required: No

ReturnPathArn

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 `ReturnPath` 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 `ReturnPathArn` to be `arn:aws:ses:us-east-1:123456789012:identity/example.com`, and the `ReturnPath` to be `feedback@example.com`.

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

Type: String

Required: No

Source

The email address that is sending the email. This email address must be either individually verified with Amazon SES, or from a domain that has been verified with Amazon SES. For information about verifying identities, see the Amazon SES Developer Guide.

If you are sending on behalf of another user and have been permitted to do so by a sending authorization policy, then you must also specify the `SourceArn` parameter. For more information about sending authorization, see the Amazon SES Developer Guide.

> **Note**
>
> Amazon SES does not support the SMTPUTF8 extension, as described in RFC6531. for this reason, The email address string must be 7-bit ASCII. If you want to send to or from email addresses that contain Unicode characters in the domain part of an address, you must encode the domain using Punycode. Punycode is not permitted in the local part of the email address (the part before the @ sign) nor in the "friendly from" name. If you want to use Unicode characters in the "friendly from" name, you must encode the "friendly from" name using MIME encoded-word syntax, as described in Sending raw email using the Amazon SES API. For more information about Punycode, see RFC 3492.

Type: String

Required: Yes

SourceArn

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 send for the email address specified in the `Source` 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 send from `user@example.com`, then you would specify the `SourceArn` to be `arn:aws:ses:us-east-1:123456789012:identity/example.com`, and the `Source` to be `user@example.com`.

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

Type: String

Required: No

Tags.member.N

A list of tags, in the form of name/value pairs, to apply to an email that you send using `SendTemplatedEmail`. 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

Template

The template to use when sending this email.

Type: String

Required: Yes

TemplateArn

The ARN of the template to use when sending this email.

Type: String

Required: No

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 Elements

The following element is returned by the service.

MessageId

The unique message identifier returned from the `SendTemplatedEmail` action.

Type: String

Errors

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

AccountSendingPaused

Indicates that email sending is disabled for your entire Amazon SES account.

You can enable or disable email sending for your Amazon SES account using UpdateAccountSendingEnabled.

HTTP Status Code: 400

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

ConfigurationSetSendingPaused

Indicates that email sending is disabled for the configuration set.

You can enable or disable email sending for a configuration set using UpdateConfigurationSetSendingEnabled.

ConfigurationSetName

The name of the configuration set for which email sending is disabled.

HTTP Status Code: 400

MailFromDomainNotVerified

Indicates that the message could not be sent because Amazon SES could not read the MX record required to use the specified MAIL FROM domain. For information about editing the custom MAIL FROM domain settings for an identity, see the Amazon SES Developer Guide.

HTTP Status Code: 400

MessageRejected

Indicates that the action failed, and the message could not be sent. Check the error stack for more information about what caused the error.

HTTP Status Code: 400

TemplateDoesNotExist

Indicates that the Template object you specified does not exist in your Amazon SES account.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SetActiveReceiptRuleSet

Sets the specified receipt rule set as the active receipt rule set.

> **Note**
>
> To disable your email-receiving through Amazon SES completely, you can call this operation with `RuleSetName` set to null.

For information about managing receipt rule sets, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

RuleSetName

The name of the receipt rule set to make active. Setting this value to null disables all email receiving.

Type: String

Required: No

Errors

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

RuleSetDoesNotExist

Indicates that the provided receipt rule set does not exist.

Name

Indicates that the named receipt rule set does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SetIdentityDkimEnabled

Enables or disables Easy DKIM signing of email sent from an identity. If Easy DKIM signing is enabled for a domain, then Amazon SES uses DKIM to sign all email that it sends from addresses on that domain. If Easy DKIM signing is enabled for an email address, then Amazon SES uses DKIM to sign all email it sends from that address.

> **Note**
>
> For email addresses (for example, `user@example.com`), you can only enable DKIM signing if the corresponding domain (in this case, `example.com`) has been set up to use Easy DKIM.

You can enable DKIM signing for an identity at any time after you start the verification process for the identity, even if the verification process isn't complete.

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

For more information about Easy DKIM signing, go to the Amazon SES Developer Guide.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

DkimEnabled

Sets whether DKIM signing is enabled for an identity. Set to `true` to enable DKIM signing for this identity; `false` to disable it.

Type: Boolean

Required: Yes

Identity

The identity for which DKIM signing should be enabled or disabled.

Type: String

Required: Yes

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SetIdentityFeedbackForwardingEnabled

Given an identity (an email address or a domain), enables or disables whether Amazon SES forwards bounce and complaint notifications as email. Feedback forwarding can only be disabled when Amazon Simple Notification Service (Amazon SNS) topics are specified for both bounces and complaints.

> **Note**
>
> Feedback forwarding does not apply to delivery notifications. Delivery notifications are only available through Amazon SNS.

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

For more information about using notifications with Amazon SES, see the Amazon SES Developer Guide.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ForwardingEnabled

Sets whether Amazon SES forwards bounce and complaint notifications as email. `true` specifies that Amazon SES forwards bounce and complaint notifications as email, in addition to any Amazon SNS topic publishing otherwise specified. `false` specifies that Amazon SES publishes bounce and complaint notifications only through Amazon SNS. This value can only be set to `false` when Amazon SNS topics are set for both `Bounce` and `Complaint` notification types.

Type: Boolean

Required: Yes

Identity

The identity for which to set bounce and complaint notification forwarding. Examples: `user@example.com`, `example.com`.

Type: String

Required: Yes

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SetIdentityHeadersInNotificationsEnabled

Given an identity (an email address or a domain), sets whether Amazon SES includes the original email headers in the Amazon Simple Notification Service (Amazon SNS) notifications of a specified type.

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

For more information about using notifications with Amazon SES, see the Amazon SES Developer Guide.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Enabled

Sets whether Amazon SES includes the original email headers in Amazon SNS notifications of the specified notification type. A value of `true` specifies that Amazon SES includes headers in notifications, and a value of `false` specifies that Amazon SES does not include headers in notifications.

This value can only be set when `NotificationType` is already set to use a particular Amazon SNS topic.

Type: Boolean

Required: Yes

Identity

The identity for which to enable or disable headers in notifications. Examples: `user@example.com`, `example.com`.

Type: String

Required: Yes

NotificationType

The notification type for which to enable or disable headers in notifications.

Type: String

Valid Values: `Bounce | Complaint | Delivery`

Required: Yes

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SetIdentityMailFromDomain

Enables or disables the custom MAIL FROM domain setup for a verified identity (an email address or a domain).

> **Important**
>
> To send emails using the specified MAIL FROM domain, you must add an MX record to your MAIL FROM domain's DNS settings. To ensure that your emails pass Sender Policy Framework (SPF) checks, you must also add or update an SPF record. For more information, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

BehaviorOnMXFailure

The action for Amazon SES to take if it cannot successfully read the required MX record when you send an email. If you choose `UseDefaultValue`, Amazon SES uses amazonses.com (or a subdomain of that) as the MAIL FROM domain. If you choose `RejectMessage`, Amazon SES returns a `MailFromDomainNotVerified` error and not send the email.

The action specified in `BehaviorOnMXFailure` is taken when the custom MAIL FROM domain setup is in the `Pending`, `Failed`, and `TemporaryFailure` states.

Type: String

Valid Values: `UseDefaultValue | RejectMessage`

Required: No

Identity

The verified identity.

Type: String

Required: Yes

MailFromDomain

The custom MAIL FROM domain for the verified identity to use. The MAIL FROM domain must 1) be a subdomain of the verified identity, 2) not be used in a "From" address if the MAIL FROM domain is the destination of email feedback forwarding (for more information, see the Amazon SES Developer Guide), and 3) not be used to receive emails. A value of `null` disables the custom MAIL FROM setting for the identity.

Type: String

Required: No

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SetIdentityNotificationTopic

Sets an Amazon Simple Notification Service (Amazon SNS) topic to use when delivering notifications. When you use this operation, you specify a verified identity, such as an email address or domain. When you send an email that uses the chosen identity in the Source field, Amazon SES sends notifications to the topic you specified. You can send bounce, complaint, or delivery notifications (or any combination of the three) to the Amazon SNS topic that you specify.

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

For more information about feedback notification, see the Amazon SES Developer Guide.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Identity

The identity (email address or domain) for the Amazon SNS topic.

> **Important**
>
> You can only specify a verified identity for this parameter.

You can specify an identity by using its name or by using its Amazon Resource Name (ARN). The following examples are all valid identities: `sender@example.com`, `example.com`, `arn:aws:ses:us-east-1:123456789012:identity/example.com`.

Type: String

Required: Yes

NotificationType

The type of notifications that are published to the specified Amazon SNS topic.

Type: String

Valid Values: `Bounce | Complaint | Delivery`

Required: Yes

SnsTopic

The Amazon Resource Name (ARN) of the Amazon SNS topic. If the parameter is omitted from the request or a null value is passed, `SnsTopic` is cleared and publishing is disabled.

Type: String

Required: No

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SetReceiptRulePosition

Sets the position of the specified receipt rule in the receipt rule set.

For information about managing receipt rules, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

After

The name of the receipt rule after which to place the specified receipt rule.

Type: String

Required: No

RuleName

The name of the receipt rule to reposition.

Type: String

Required: Yes

RuleSetName

The name of the receipt rule set that contains the receipt rule to reposition.

Type: String

Required: Yes

Errors

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

RuleDoesNotExist

Indicates that the provided receipt rule does not exist.

Name

Indicates that the named receipt rule does not exist.

HTTP Status Code: 400

RuleSetDoesNotExist

Indicates that the provided receipt rule set does not exist.

Name

Indicates that the named receipt rule set does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

TestRenderTemplate

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 Parameters

For information about the parameters that are common to all actions, see Common Parameters.

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

TemplateName

The name of the template to render.

Type: String

Required: Yes

Response Elements

The following element is returned 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 Error Types.

InvalidRenderingParameter

Indicates that one or more of the replacement values you provided is invalid. This error may occur when the TemplateData object contains invalid JSON.

HTTP Status Code: 400

MissingRenderingAttribute

Indicates that one or more of the replacement values for the specified template was not specified. Ensure that the TemplateData object contains references to all of the replacement tags in the specified template.

HTTP Status Code: 400

TemplateDoesNotExist

Indicates that the Template object you specified does not exist in your Amazon SES account.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

UpdateAccountSendingEnabled

Enables or disables email sending across your entire Amazon SES account in the current AWS Region. You can use this operation in conjunction with Amazon CloudWatch alarms to temporarily pause email sending across your Amazon SES account in a given AWS Region when reputation metrics (such as your bounce or complaint rates) reach certain thresholds.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Enabled

Describes whether email sending is enabled or disabled for your Amazon SES account in the current AWS Region.

Type: Boolean

Required: No

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateConfigurationSetEventDestination

Updates the event destination of a configuration set. Event destinations are associated with configuration sets, which enable you to publish email sending events to Amazon CloudWatch, Amazon Kinesis Firehose, or Amazon Simple Notification Service (Amazon SNS). For information about using configuration sets, see Monitoring Your Amazon SES Sending Activity in the *Amazon SES Developer Guide.*

> **Note**
>
> When you create or update an event destination, you must provide one, and only one, destination. The destination can be Amazon CloudWatch, Amazon Kinesis Firehose, or Amazon Simple Notification Service (Amazon SNS).

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

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

Type: String

Required: Yes

EventDestination

The event destination object.

Type: EventDestination object

Required: Yes

Errors

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

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

EventDestinationDoesNotExist

Indicates that the event destination does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

EventDestinationName

Indicates that the event destination does not exist.

HTTP Status Code: 400

InvalidCloudWatchDestination

Indicates that the Amazon CloudWatch destination is invalid. See the error message for details.

ConfigurationSetName

Indicates that the configuration set does not exist.

EventDestinationName

Indicates that the event destination does not exist.

HTTP Status Code: 400

InvalidFirehoseDestination

Indicates that the Amazon Kinesis Firehose destination is invalid. See the error message for details.

ConfigurationSetName

Indicates that the configuration set does not exist.

EventDestinationName

Indicates that the event destination does not exist.

HTTP Status Code: 400

InvalidSNSDestination

Indicates that the Amazon Simple Notification Service (Amazon SNS) destination is invalid. See the error message for details.

ConfigurationSetName

Indicates that the configuration set does not exist.

EventDestinationName

Indicates that the event destination does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateConfigurationSetReputationMetricsEnabled

Enables or disables the publishing of reputation metrics for emails sent using a specific configuration set in a given AWS Region. Reputation metrics include bounce and complaint rates. These metrics are published to Amazon CloudWatch. By using CloudWatch, you can create alarms when bounce or complaint rates exceed certain thresholds.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

The name of the configuration set to update.

Type: String

Required: Yes

Enabled

Describes whether or not Amazon SES publishes reputation metrics for the configuration set, such as bounce and complaint rates, to Amazon CloudWatch.

Type: Boolean

Required: Yes

Errors

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

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateConfigurationSetSendingEnabled

Enables or disables email sending for messages sent using a specific configuration set in a given AWS Region. You can use this operation in conjunction with Amazon CloudWatch alarms to temporarily pause email sending for a configuration set when the reputation metrics for that configuration set (such as your bounce on complaint rate) exceed certain thresholds.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

The name of the configuration set to update.

Type: String

Required: Yes

Enabled

Describes whether email sending is enabled or disabled for the configuration set.

Type: Boolean

Required: Yes

Errors

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

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateConfigurationSetTrackingOptions

Modifies an association between a configuration set and a custom domain for open and click event tracking.

By default, images and links used for tracking open and click events are hosted on domains operated by Amazon SES. You can configure a subdomain of your own to handle these events. For information about using custom domains, see the Amazon SES Developer Guide.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

ConfigurationSetName

The name of the configuration set.

Type: String

Required: Yes

TrackingOptions

A domain that is used to redirect email recipients to an Amazon SES-operated domain. This domain captures open and click events generated by Amazon SES emails.

For more information, see Configuring Custom Domains to Handle Open and Click Tracking in the *Amazon SES Developer Guide*.

Type: TrackingOptions object

Required: Yes

Errors

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

ConfigurationSetDoesNotExist

Indicates that the configuration set does not exist.

ConfigurationSetName

Indicates that the configuration set does not exist.

HTTP Status Code: 400

InvalidTrackingOptions

Indicates that the custom domain to be used for open and click tracking redirects is invalid. This error appears most often in the following situations:

- When the tracking domain you specified is not verified in Amazon SES.
- When the tracking domain you specified is not a valid domain or subdomain.

HTTP Status Code: 400

TrackingOptionsDoesNotExist

Indicates that the TrackingOptions object you specified does not exist.

ConfigurationSetName

Indicates that a TrackingOptions object does not exist in the specified configuration set.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- 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 Parameters

For information about the parameters that are common to all actions, see Common Parameters.

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

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: No

TemplateName

The name of the custom verification email template to update.

Type: String

Required: Yes

TemplateSubject

The subject line of the custom verification email.

Type: String

Required: No

Errors

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

CustomVerificationEmailInvalidContent

Indicates that custom verification email template provided content is invalid.

HTTP Status Code: 400

CustomVerificationEmailTemplateDoesNotExist

Indicates that a custom verification email template with the name you specified does not exist.

CustomVerificationEmailTemplateName

Indicates that the provided custom verification email template does not exist.

HTTP Status Code: 400

FromEmailAddressNotVerified

Indicates that the sender address specified for a custom verification email is not verified, and is therefore not eligible to send the custom verification email.

FromEmailAddress

Indicates that the from email address associated with the custom verification email template is not verified.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateReceiptRule

Updates a receipt rule.

For information about managing receipt rules, see the Amazon SES Developer Guide.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Rule

A data structure that contains the updated receipt rule information.

Type: ReceiptRule object

Required: Yes

RuleSetName

The name of the receipt rule set that the receipt rule belongs to.

Type: String

Required: Yes

Errors

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

InvalidLambdaFunction

Indicates that the provided AWS Lambda function is invalid, or that Amazon SES could not execute the provided function, possibly due to permissions issues. For information about giving permissions, see the Amazon SES Developer Guide.

FunctionArn

Indicates that the ARN of the function was not found.

HTTP Status Code: 400

InvalidS3Configuration

Indicates that the provided Amazon S3 bucket or AWS KMS encryption key is invalid, or that Amazon SES could not publish to the bucket, possibly due to permissions issues. For information about giving permissions, see the Amazon SES Developer Guide.

Bucket

Indicated that the S3 Bucket was not found.

HTTP Status Code: 400

InvalidSnsTopic

Indicates that the provided Amazon SNS topic is invalid, or that Amazon SES could not publish to the topic, possibly due to permissions issues. For information about giving permissions, see the Amazon SES Developer Guide.

Topic

Indicates that the topic does not exist.

HTTP Status Code: 400

LimitExceeded

Indicates that a resource could not be created because of service limits. For a list of Amazon SES limits, see the Amazon SES Developer Guide.

HTTP Status Code: 400

RuleDoesNotExist

Indicates that the provided receipt rule does not exist.

Name

Indicates that the named receipt rule does not exist.

HTTP Status Code: 400

RuleSetDoesNotExist

Indicates that the provided receipt rule set does not exist.

Name

Indicates that the named receipt rule set does not exist.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateTemplate

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

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Template

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

Type: Template object

Required: Yes

Errors

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

InvalidTemplate

Indicates that the template that you specified could not be rendered. This issue may occur when a template refers to a partial that does not exist.

HTTP Status Code: 400

TemplateDoesNotExist

Indicates that the Template object you specified does not exist in your Amazon SES account.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

VerifyDomainDkim

Returns a set of DKIM tokens for a domain identity.

> **Important**
>
> When you execute the `VerifyDomainDkim` operation, the domain that you specify is added to the list of identities that are associated with your account. This is true even if you haven't already associated the domain with your account by using the `VerifyDomainIdentity` operation. However, you can't send email from the domain until you either successfully verify it or you successfully set up DKIM for it.

You use the tokens that are generated by this operation to create CNAME records. When Amazon SES detects that you've added these records to the DNS configuration for a domain, you can start sending email from that domain. You can start sending email even if you haven't added the TXT record provided by the VerifyDomainIdentity operation to the DNS configuration for your domain. All email that you send from the domain is authenticated using DKIM.

To create the CNAME records for DKIM authentication, use the following values:

- **Name**: *token*._domainkey.*example.com*
- **Type**: CNAME
- **Value**: *token*.dkim.amazonses.com

In the preceding example, replace *token* with one of the tokens that are generated when you execute this operation. Replace *example.com* with your domain. Repeat this process for each token that's generated by this operation.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Domain

The name of the domain to be verified for Easy DKIM signing.

Type: String

Required: Yes

Response Elements

The following element is returned by the service.

DkimTokens.member.N

A set of character strings that represent the domain's identity. If the identity is an email address, the tokens represent the domain of that address.

Using these tokens, you need to create DNS CNAME records that point to DKIM public keys that are hosted by Amazon SES. Amazon Web Services eventually detects that you've updated your DNS records. This detection process might take up to 72 hours. After successful detection, Amazon SES is able to DKIM-sign email originating from that domain. (This only applies to domain identities, not email address identities.)

For more information about creating DNS records using DKIM tokens, see the Amazon SES Developer Guide.

Type: Array of strings

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

VerifyDomainIdentity

Adds a domain to the list of identities for your Amazon SES account in the current AWS Region and attempts to verify it. For more information about verifying domains, see Verifying Email Addresses and Domains in the *Amazon SES Developer Guide.*

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

Domain

The domain to be verified.

Type: String

Required: Yes

Response Elements

The following element is returned by the service.

VerificationToken

A TXT record that you must place in the DNS settings of the domain to complete domain verification with Amazon SES.

As Amazon SES searches for the TXT record, the domain's verification status is "Pending". When Amazon SES detects the record, the domain's verification status changes to "Success". If Amazon SES is unable to detect the record within 72 hours, the domain's verification status changes to "Failed." In that case, to verify the domain, you must restart the verification process from the beginning. The domain's verification status also changes to "Success" when it is DKIM verified.

Type: String

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

VerifyEmailAddress

Deprecated. Use the `VerifyEmailIdentity` operation to verify a new email address.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

EmailAddress

The email address to be verified.

Type: String

Required: Yes

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

VerifyEmailIdentity

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 verification email is sent to the specified address.

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

EmailAddress

The email address to be verified.

Type: String

Required: Yes

Errors

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

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- 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:

- AddHeaderAction
- Body
- BounceAction
- BouncedRecipientInfo
- BulkEmailDestination
- BulkEmailDestinationStatus
- CloudWatchDestination
- CloudWatchDimensionConfiguration
- ConfigurationSet
- ConnectAction
- Content
- CustomVerificationEmailTemplate
- DeliveryOptions
- Destination
- EventDestination
- ExtensionField
- IdentityDkimAttributes
- IdentityMailFromDomainAttributes
- IdentityNotificationAttributes
- IdentityVerificationAttributes

- KinesisFirehoseDestination
- LambdaAction
- Message
- MessageDsn
- MessageTag
- RawMessage
- ReceiptAction
- ReceiptFilter
- ReceiptIpFilter
- ReceiptRule
- ReceiptRuleSetMetadata
- RecipientDsnFields
- ReputationOptions
- S3Action
- SendDataPoint
- SNSAction
- SNSDestination
- StopAction
- Template
- TemplateMetadata
- TrackingOptions
- WorkmailAction

AddHeaderAction

When included in a receipt rule, this action adds a header to the received email.

For information about adding a header using a receipt rule, see the Amazon SES Developer Guide.

Contents

HeaderName

The name of the header to add to the incoming message. The name must contain at least one character, and can contain up to 50 characters. It consists of alphanumeric (a–z, A–Z, 0–9) characters and dashes.

Type: String

Required: Yes

HeaderValue

The content to include in the header. This value can contain up to 2048 characters. It can't contain newline (`\n`) or carriage return (`\r`) 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 Java V2
- AWS SDK for Ruby V3

Body

Represents the body of the message. You can specify text, HTML, or both. If you use both, then the message should display correctly in the widest variety of email clients.

Contents

Html

The content of the message, in HTML format. Use this for email clients that can process HTML. You can include clickable links, formatted text, and much more in an HTML message.

Type: Content object

Required: No

Text

The content of the message, in text format. Use this for text-based email clients, or clients on high-latency networks (such as mobile devices).

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 Java V2
- AWS SDK for Ruby V3

BounceAction

When included in a receipt rule, this action rejects the received email by returning a bounce response to the sender and, optionally, publishes a notification to Amazon Simple Notification Service (Amazon SNS).

For information about sending a bounce message in response to a received email, see the Amazon SES Developer Guide.

Contents

Message

Human-readable text to include in the bounce message.

Type: String

Required: Yes

Sender

The email address of the sender of the bounced email. This is the address from which the bounce message is sent.

Type: String

Required: Yes

SmtpReplyCode

The SMTP reply code, as defined by RFC 5321.

Type: String

Required: Yes

StatusCode

The SMTP enhanced status code, as defined by RFC 3463.

Type: String

Required: No

TopicArn

The Amazon Resource Name (ARN) of the Amazon SNS topic to notify when the bounce action is taken. You can find the ARN of a topic by using the ListTopics operation in Amazon SNS.

For more information about Amazon SNS topics, see the Amazon SNS Developer Guide.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BouncedRecipientInfo

Recipient-related information to include in the Delivery Status Notification (DSN) when an email that Amazon SES receives on your behalf bounces.

For information about receiving email through Amazon SES, see the Amazon SES Developer Guide.

Contents

Recipient

The email address of the recipient of the bounced email.

Type: String

Required: Yes

BounceType

The reason for the bounce. You must provide either this parameter or `RecipientDsnFields`.

Type: String

Valid Values: `DoesNotExist | MessageTooLarge | ExceededQuota | ContentRejected | Undefined | TemporaryFailure`

Required: No

RecipientArn

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 receive email for the recipient of the bounced email. For more information about sending authorization, see the Amazon SES Developer Guide.

Type: String

Required: No

RecipientDsnFields

Recipient-related DSN fields, most of which would normally be filled in automatically when provided with a `BounceType`. You must provide either this parameter or `BounceType`.

Type: RecipientDsnFields object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BulkEmailDestination

An array that contains one or more Destinations, as well as the tags and replacement data associated with each of those Destinations.

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 email address string must be 7-bit ASCII. If you want to send to or from email addresses that contain Unicode characters in the domain part of an address, you must encode the domain using Punycode. Punycode is not permitted in the local part of the email address (the part before the @ sign) nor in the "friendly from" name. If you want to use Unicode characters in the "friendly from" name, you must encode the "friendly from" name using MIME encoded-word syntax, as described in Sending raw email using the Amazon SES API. For more information about Punycode, see RFC 3492.

Type: Destination object

Required: Yes

ReplacementTags.member.N

A list of tags, in the form of name/value pairs, to apply to an email that you send using `SendBulkTemplatedEmail`. 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

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 Java V2
- AWS SDK for Ruby V3

BulkEmailDestinationStatus

An object that contains the response from the `SendBulkTemplatedEmail` operation.

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 attempts to deliver it to the recipients.
- `MessageRejected`: The message was rejected because it contained a virus.
- `MailFromDomainNotVerified`: The sender's email address or domain was not verified.
- `ConfigurationSetDoesNotExist`: The configuration set you specified does not exist.
- `TemplateDoesNotExist`: The template you specified does not exist.
- `AccountSuspended`: Your account has been shut down because of issues related to your email sending practices.
- `AccountThrottled`: The number of emails you can send has been reduced because your account has exceeded its allocated sending limit.
- `AccountDailyQuotaExceeded`: You have reached or exceeded the maximum number of emails you can send from your account in a 24-hour period.

- `InvalidSendingPoolName`: The configuration set you specified refers to an IP pool that does not exist.
- `AccountSendingPaused`: Email sending for the Amazon SES account was disabled using the UpdateAccountSendingEnabled operation.
- `ConfigurationSetSendingPaused`: Email sending for this configuration set was disabled using the UpdateConfigurationSetSendingEnabled operation.
- `InvalidParameterValue`: One or more of the parameters you specified when calling this operation was invalid. See the error message for additional information.
- `TransientFailure`: 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 | MessageRejected | MailFromDomainNotVerified | ConfigurationSetDoesNotExist | TemplateDoesNotExist | AccountSuspended | AccountThrottled | AccountDailyQuotaExceeded | InvalidSendingPoolName | AccountSendingPaused | ConfigurationSetSendingPaused | InvalidParameterValue | TransientFailure | Failed`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CloudWatchDestination

Contains information associated with an Amazon CloudWatch event destination to which email sending events are published.

Event destinations, such as Amazon CloudWatch, are associated with configuration sets, which enable you to publish email sending events. For information about using configuration sets, see the Amazon SES Developer Guide.

Contents

DimensionConfigurations.member.N

A list of dimensions upon which to categorize your emails when you publish email sending 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 Java V2
- AWS SDK for Ruby V3

CloudWatchDimensionConfiguration

Contains the dimension configuration to use when you publish email sending events to Amazon CloudWatch.

For information about publishing email sending events to Amazon CloudWatch, see the Amazon SES Developer Guide.

Contents

DefaultDimensionValue

The default value of the dimension that is published to Amazon CloudWatch if you do not provide the value of the dimension when you send an email. The default value must meet the following requirements:

- Contain only ASCII letters (a-z, A-Z), numbers (0-9), underscores (_), dashes (-), at signs (@), or periods (.).
- Contain 256 characters or fewer.

Type: String

Required: Yes

DimensionName

The name of an Amazon CloudWatch dimension associated with an email sending metric. The name must meet the following requirements:

- Contain only ASCII letters (a-z, A-Z), numbers (0-9), underscores (_), dashes (-), or colons (:).
- Contain 256 characters or fewer.

Type: String

Required: Yes

DimensionValueSource

The place where Amazon SES 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/SendRawEmail` API, specify `messageTag`. To use your own email headers, specify `emailHeader`. To put a custom tag on any link included in your email, specify `linkTag`.

Type: String

Valid Values: `messageTag | emailHeader | linkTag`

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConfigurationSet

The name of the configuration set.

Configuration sets let you create groups of rules that you can apply to the emails you send using Amazon SES. For more information about using configuration sets, see Using Amazon SES Configuration Sets in the Amazon SES Developer Guide.

Contents

Name

The name of the configuration set. The name must meet the following requirements:

- Contain only letters (a-z, A-Z), numbers (0-9), underscores (_), or dashes (-).
- Contain 64 characters or fewer.

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 Java V2
- AWS SDK for Ruby V3

ConnectAction

When included in a receipt rule, this action parses the received message and starts an email contact in Amazon Connect on your behalf.

> **Note**
>
> When you receive emails, the maximum email size (including headers) is 40 MB. Additionally, emails may only have up to 10 attachments. Emails larger than 40 MB or with more than 10 attachments will be bounced.

We recommend that you configure this action via Amazon Connect.

Contents

IAMRoleARN

The Amazon Resource Name (ARN) of the IAM role to be used by Amazon Simple Email Service while starting email contacts to the Amazon Connect instance. This role should have permission to invoke `connect:StartEmailContact` for the given Amazon Connect instance.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w-]+:iam::[0-9]+:role/[\w-]+`

Required: Yes

InstanceARN

The Amazon Resource Name (ARN) for the Amazon Connect instance that Amazon SES integrates with for starting email contacts.

For more information about Amazon Connect instances, see the Amazon Connect Administrator Guide

Type: String

Pattern: `arn:(aws|aws-us-gov):connect:[a-z]{2}-[a-z]+-[0-9-]{1}:[0-9]{1,20}:instance/[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}`

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Content

Represents textual data, plus an optional character set specification.

By default, the text must be 7-bit ASCII, due to the constraints of the SMTP protocol. If the text must contain any other characters, then you must also specify a character set. Examples include UTF-8, ISO-8859-1, and Shift_JIS.

Contents

Data

The textual data of the content.

Type: String

Required: Yes

Charset

The character set of the content.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomVerificationEmailTemplate

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

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 Java V2
- AWS SDK for Ruby V3

DeliveryOptions

Specifies whether messages that use the configuration set are required to use Transport Layer Security (TLS).

Contents

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 Java V2
- AWS SDK for Ruby V3

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 email address string must be 7-bit ASCII. If you want to send to or from email addresses that contain Unicode characters in the domain part of an address, you must encode the domain using Punycode. Punycode is not permitted in the local part of the email address (the part before the @ sign) nor in the "friendly from" name. If you want to use Unicode characters in the "friendly from" name, you must encode the "friendly from" name using MIME encoded-word syntax, as described in Sending raw email using the Amazon SES API. For more information about Punycode, see RFC 3492.

Contents

BccAddresses.member.N

The recipients to place on the BCC: line of the message.

Type: Array of strings

Required: No

CcAddresses.member.N

The recipients to place on the CC: line of the message.

Type: Array of strings

Required: No

ToAddresses.member.N

The recipients to place on the To: line of the message.

Type: Array of strings

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EventDestination

Contains information about an event destination.

> **Note**
>
> When you create or update an event destination, you must provide one, and only one, destination. The destination can be Amazon CloudWatch, Amazon Kinesis Firehose or Amazon Simple Notification Service (Amazon SNS).

Event destinations are associated with configuration sets, which enable you to publish email sending events to Amazon CloudWatch, Amazon Kinesis Firehose, or Amazon Simple Notification Service (Amazon SNS). For information about using configuration sets, see the Amazon SES Developer Guide.

Contents

MatchingEventTypes.member.N

The type of email sending events to publish to the event destination.

- `send` - The call was successful and Amazon SES is attempting to deliver the email.
- `reject` - Amazon SES determined that the email contained a virus and rejected it.
- `bounce` - The recipient's mail server permanently rejected the email. This corresponds to a hard bounce.
- `complaint` - The recipient marked the email as spam.
- `delivery` - Amazon SES successfully delivered the email to the recipient's mail server.
- `open` - The recipient received the email and opened it in their email client.
- `click` - The recipient clicked one or more links in the email.
- `renderingFailure` - Amazon SES did not send the email because of a template rendering issue.

Type: Array of strings

Valid Values: `send` | `reject` | `bounce` | `complaint` | `delivery` | `open` | `click` | `renderingFailure`

Required: Yes

Name

The name of the event destination. The name must meet the following requirements:

- Contain only ASCII letters (a-z, A-Z), numbers (0-9), underscores (_), or dashes (-).
- Contain 64 characters or fewer.

Type: String

Required: Yes

CloudWatchDestination

An object that contains the names, default values, and sources of the dimensions associated with an Amazon CloudWatch event destination.

Type: CloudWatchDestination object

Required: No

Enabled

Sets whether Amazon SES publishes events to this destination when you send an email with the associated configuration set. Set to `true` to enable publishing to this destination; set to `false` to prevent publishing to this destination. The default value is `false`.

Type: Boolean

Required: No

KinesisFirehoseDestination

An object that contains the delivery stream ARN and the IAM role ARN associated with an Amazon Kinesis Firehose event destination.

Type: KinesisFirehoseDestination object

Required: No

SNSDestination

An object that contains the topic ARN associated with an Amazon Simple Notification Service (Amazon SNS) event destination.

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 Java V2
- AWS SDK for Ruby V3

ExtensionField

Additional X-headers to include in the Delivery Status Notification (DSN) when an email that Amazon SES receives on your behalf bounces.

For information about receiving email through Amazon SES, see the Amazon SES Developer Guide.

Contents

Name

The name of the header to add. Must be between 1 and 50 characters, inclusive, and consist of alphanumeric (a-z, A-Z, 0-9) characters and dashes only.

Type: String

Required: Yes

Value

The value of the header to add. Must contain 2048 characters or fewer, and must not contain newline characters ("\r" or "\n").

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 Java V2
- AWS SDK for Ruby V3

IdentityDkimAttributes

Represents the DKIM attributes of a verified email address or a domain.

Contents

DkimEnabled

Is true if DKIM signing is enabled for email sent from the identity. It's false otherwise. The default value is true.

Type: Boolean

Required: Yes

DkimVerificationStatus

Describes whether Amazon SES has successfully verified the DKIM DNS records (tokens) published in the domain name's DNS. (This only applies to domain identities, not email address identities.)

Type: String

Valid Values: `Pending | Success | Failed | TemporaryFailure | NotStarted`

Required: Yes

DkimTokens.member.N

A set of character strings that represent the domain's identity. Using these tokens, you need to create DNS CNAME records that point to DKIM public keys that are hosted by Amazon SES. Amazon Web Services eventually detects that you've updated your DNS records. This detection process might take up to 72 hours. After successful detection, Amazon SES is able to DKIM-sign email originating from that domain. (This only applies to domain identities, not email address identities.)

For more information about creating DNS records using DKIM tokens, see the Amazon SES Developer Guide.

Type: Array of strings

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

IdentityMailFromDomainAttributes

Represents the custom MAIL FROM domain attributes of a verified identity (email address or domain).

Contents

BehaviorOnMXFailure

The action that Amazon SES takes if it cannot successfully read the required MX record when you send an email. A value of `UseDefaultValue` indicates that if Amazon SES cannot read the required MX record, it uses amazonses.com (or a subdomain of that) as the MAIL FROM domain. A value of `RejectMessage` indicates that if Amazon SES cannot read the required MX record, Amazon SES returns a `MailFromDomainNotVerified` error and does not send the email.

The custom MAIL FROM setup states that result in this behavior are `Pending`, `Failed`, and `TemporaryFailure`.

Type: String

Valid Values: `UseDefaultValue | RejectMessage`

Required: Yes

MailFromDomain

The custom MAIL FROM domain that the identity is configured to use.

Type: String

Required: Yes

MailFromDomainStatus

The state that indicates whether Amazon SES has successfully read the MX record required for custom MAIL FROM domain setup. If the state is `Success`, Amazon SES uses the specified custom MAIL FROM domain when the verified identity sends an email. All other states indicate that Amazon SES takes the action described by `BehaviorOnMXFailure`.

Type: String

Valid Values: `Pending | Success | Failed | TemporaryFailure`

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

IdentityNotificationAttributes

Represents the notification attributes of an identity, including whether an identity has Amazon Simple Notification Service (Amazon SNS) topics set for bounce, complaint, and/or delivery notifications, and whether feedback forwarding is enabled for bounce and complaint notifications.

Contents

BounceTopic

The Amazon Resource Name (ARN) of the Amazon SNS topic where Amazon SES publishes bounce notifications.

Type: String

Required: Yes

ComplaintTopic

The Amazon Resource Name (ARN) of the Amazon SNS topic where Amazon SES publishes complaint notifications.

Type: String

Required: Yes

DeliveryTopic

The Amazon Resource Name (ARN) of the Amazon SNS topic where Amazon SES publishes delivery notifications.

Type: String

Required: Yes

ForwardingEnabled

Describes whether Amazon SES forwards bounce and complaint notifications as email. `true` indicates that Amazon SES forwards bounce and complaint notifications as email, while `false` indicates that bounce and complaint notifications are published only to the specified bounce and complaint Amazon SNS topics.

Type: Boolean

Required: Yes

HeadersInBounceNotificationsEnabled

Describes whether Amazon SES includes the original email headers in Amazon SNS notifications of type `Bounce`. A value of `true` specifies that Amazon SES includes headers in bounce notifications, and a value of `false` specifies that Amazon SES does not include headers in bounce notifications.

Type: Boolean

Required: No

HeadersInComplaintNotificationsEnabled

Describes whether Amazon SES includes the original email headers in Amazon SNS notifications of type `Complaint`. A value of `true` specifies that Amazon SES includes headers in complaint notifications, and a value of `false` specifies that Amazon SES does not include headers in complaint notifications.

Type: Boolean

Required: No

HeadersInDeliveryNotificationsEnabled

Describes whether Amazon SES includes the original email headers in Amazon SNS notifications of type `Delivery`. A value of `true` specifies that Amazon SES includes headers in delivery notifications, and a value of `false` specifies that Amazon SES does not include headers in delivery notifications.

Type: Boolean

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

IdentityVerificationAttributes

Represents the verification attributes of a single identity.

Contents

VerificationStatus

The verification status of the identity: "Pending", "Success", "Failed", or "TemporaryFailure".

Type: String

Valid Values: `Pending | Success | Failed | TemporaryFailure | NotStarted`

Required: Yes

VerificationToken

The verification token for a domain identity. Null for email address identities.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KinesisFirehoseDestination

Contains the delivery stream ARN and the IAM role ARN associated with an Amazon Kinesis Firehose event destination.

Event destinations, such as Amazon Kinesis Firehose, are associated with configuration sets, which enable you to publish email sending events. For information about using configuration sets, see the Amazon SES Developer Guide.

Contents

DeliveryStreamARN

The ARN of the Amazon Kinesis Firehose stream that email sending events should be published to.

Type: String

Required: Yes

IAMRoleARN

The ARN of the IAM role under which Amazon SES publishes email sending events to the Amazon Kinesis 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 Java V2
- AWS SDK for Ruby V3

LambdaAction

When included in a receipt rule, this action calls an AWS Lambda function and, optionally, publishes a notification to Amazon Simple Notification Service (Amazon SNS).

To enable Amazon SES to call your AWS Lambda function or to publish to an Amazon SNS topic of another account, Amazon SES must have permission to access those resources. For information about giving permissions, see the Amazon SES Developer Guide.

For information about using AWS Lambda actions in receipt rules, see the Amazon SES Developer Guide.

Contents

FunctionArn

The Amazon Resource Name (ARN) of the AWS Lambda function. An example of an AWS Lambda function ARN is `arn:aws:lambda:us-west-2:account-id:function:MyFunction`. For more information about AWS Lambda, see the AWS Lambda Developer Guide.

Type: String

Required: Yes

InvocationType

The invocation type of the AWS Lambda function. An invocation type of `RequestResponse` means that the execution of the function immediately results in a response, and a value of `Event` means that the function is invoked asynchronously. The default value is `Event`. For information about AWS Lambda invocation types, see the AWS Lambda Developer Guide.

> **Important**
>
> There is a 30-second timeout on `RequestResponse` invocations. You should use `Event` invocation in most cases. Use `RequestResponse` only to make a mail flow decision, such as whether to stop the receipt rule or the receipt rule set.

Type: String

Valid Values: `Event` | `RequestResponse`

Required: No

TopicArn

The Amazon Resource Name (ARN) of the Amazon SNS topic to notify when the Lambda action is executed. You can find the ARN of a topic by using the ListTopics operation in Amazon SNS.

For more information about Amazon SNS topics, see the Amazon SNS Developer Guide.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Message

Represents the message to be sent, composed of a subject and a body.

Contents

Body

The message body.

Type: Body object

Required: Yes

Subject

The subject of the message: A short summary of the content, which appears in the recipient's inbox.

Type: Content object

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MessageDsn

Message-related information to include in the Delivery Status Notification (DSN) when an email that Amazon SES receives on your behalf bounces.

For information about receiving email through Amazon SES, see the Amazon SES Developer Guide.

Contents

ReportingMta

The reporting MTA that attempted to deliver the message, formatted as specified in RFC 3464 (`mta-name-type; mta-name`). The default value is `dns; inbound-smtp.[region].amazonaws.com`.

Type: String

Required: Yes

ArrivalDate

When the message was received by the reporting mail transfer agent (MTA), in RFC 822 date-time format.

Type: Timestamp

Required: No

ExtensionFields.member.N

Additional X-headers to include in the DSN.

Type: Array of ExtensionField objects

Required: No

See Also

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

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

MessageTag

Contains the name and value of a tag that you can provide to `SendEmail` or `SendRawEmail` to apply to an email.

Message tags, which you use with configuration sets, enable you to publish email sending events. For information about using configuration sets, see the Amazon SES Developer Guide.

Contents

Name

The name of the tag. The name must meet the following requirements:

- Contain only ASCII letters (a-z, A-Z), numbers (0-9), underscores (_), or dashes (-).
- Contain 256 characters or fewer.

Type: String

Required: Yes

Value

The value of the tag. The value must meet the following requirements:

- Contain only ASCII letters (a-z, A-Z), numbers (0-9), underscores (_), or dashes (-).
- Contain 256 characters or fewer.

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 Java V2
- AWS SDK for Ruby V3

RawMessage

Represents the raw data of the message.

Contents

Data

The raw data of the message. This data 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. In all cases, the client must ensure that the message format complies with Internet email standards regarding email header fields, MIME types, and MIME encoding.

The To:, CC:, and BCC: headers in the raw message can contain a group list.

If you are using `SendRawEmail` with sending authorization, you can include X-headers in the raw message to specify the "Source," "From," and "Return-Path" addresses. For more information, see the documentation for `SendRawEmail`.

> **Important**
>
> Do not include these X-headers in the DKIM signature, because they are removed by Amazon SES before sending the email.

For more information, go to the Amazon SES Developer Guide.

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 Java V2

- AWS SDK for Ruby V3

ReceiptAction

An action that Amazon SES can take when it receives an email on behalf of one or more email addresses or domains that you own. An instance of this data type can represent only one action.

For information about setting up receipt rules, see the Amazon SES Developer Guide.

Contents

AddHeaderAction

Adds a header to the received email.

Type: AddHeaderAction object

Required: No

BounceAction

Rejects the received email by returning a bounce response to the sender and, optionally, publishes a notification to Amazon Simple Notification Service (Amazon SNS).

Type: BounceAction object

Required: No

ConnectAction

Parses the received message and starts an email contact in Amazon Connect on your behalf.

Type: ConnectAction object

Required: No

LambdaAction

Calls an AWS Lambda function, and optionally, publishes a notification to Amazon SNS.

Type: LambdaAction object

Required: No

S3Action

Saves the received message to an Amazon Simple Storage Service (Amazon S3) bucket and, optionally, publishes a notification to Amazon SNS.

Type: S3Action object

Required: No

SNSAction

Publishes the email content within a notification to Amazon SNS.

Type: SNSAction object

Required: No

StopAction

Terminates the evaluation of the receipt rule set and optionally publishes a notification to Amazon SNS.

Type: StopAction object

Required: No

WorkmailAction

Calls Amazon WorkMail and, optionally, publishes a notification to Amazon Amazon SNS.

Type: WorkmailAction object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReceiptFilter

A receipt IP address filter enables you to specify whether to accept or reject mail originating from an IP address or range of IP addresses.

For information about setting up IP address filters, see the Amazon SES Developer Guide.

Contents

IpFilter

A structure that provides the IP addresses to block or allow, and whether to block or allow incoming mail from them.

Type: ReceiptIpFilter object

Required: Yes

Name

The name of the IP address filter. The name must meet the following requirements:

- Contain only ASCII letters (a-z, A-Z), numbers (0-9), underscores (_), or dashes (-).
- Start and end with a letter or number.
- Contain 64 characters or fewer.

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 Java V2
- AWS SDK for Ruby V3

ReceiptIpFilter

A receipt IP address filter enables you to specify whether to accept or reject mail originating from an IP address or range of IP addresses.

For information about setting up IP address filters, see the Amazon SES Developer Guide.

Contents

Cidr

A single IP address or a range of IP addresses to block or allow, specified in Classless Inter-Domain Routing (CIDR) notation. An example of a single email address is 10.0.0.1. An example of a range of IP addresses is 10.0.0.1/24. For more information about CIDR notation, see RFC 2317.

Type: String

Required: Yes

Policy

Indicates whether to block or allow incoming mail from the specified IP addresses.

Type: String

Valid Values: `Block | Allow`

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReceiptRule

Receipt rules enable you to specify which actions Amazon SES should take when it receives mail on behalf of one or more email addresses or domains that you own.

Each receipt rule defines a set of email addresses or domains that it applies to. If the email addresses or domains match at least one recipient address of the message, Amazon SES executes all of the receipt rule's actions on the message.

For information about setting up receipt rules, see the Amazon SES Developer Guide.

Contents

Name

The name of the receipt rule. The name must meet the following requirements:

- Contain only ASCII letters (a-z, A-Z), numbers (0-9), underscores (_), dashes (-), or periods (.).
- Start and end with a letter or number.
- Contain 64 characters or fewer.

Type: String

Required: Yes

Actions.member.N

An ordered list of actions to perform on messages that match at least one of the recipient email addresses or domains specified in the receipt rule.

Type: Array of ReceiptAction objects

Required: No

Enabled

If `true`, the receipt rule is active. The default value is `false`.

Type: Boolean

Required: No

Recipients.member.N

The recipient domains and email addresses that the receipt rule applies to. If this field is not specified, this rule matches all recipients on all verified domains.

Type: Array of strings

Required: No

ScanEnabled

If `true`, then messages that this receipt rule applies to are scanned for spam and viruses. The default value is `false`.

Type: Boolean

Required: No

TlsPolicy

Specifies whether Amazon SES should require that incoming email is delivered over a connection encrypted with Transport Layer Security (TLS). If this parameter is set to `Require`, Amazon SES bounces emails that are not received over TLS. The default is `Optional`.

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 Java V2
- AWS SDK for Ruby V3

ReceiptRuleSetMetadata

Information about a receipt rule set.

A receipt rule set is a collection of rules that specify what Amazon SES should do with mail it receives on behalf of your account's verified domains.

For information about setting up receipt rule sets, see the Amazon SES Developer Guide.

Contents

CreatedTimestamp

The date and time the receipt rule set was created.

Type: Timestamp

Required: No

Name

The name of the receipt rule set. The name must meet the following requirements:

- Contain only ASCII letters (a-z, A-Z), numbers (0-9), underscores (_), or dashes (-).
- Start and end with a letter or number.
- Contain 64 characters or fewer.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RecipientDsnFields

Recipient-related information to include in the Delivery Status Notification (DSN) when an email that Amazon SES receives on your behalf bounces.

For information about receiving email through Amazon SES, see the Amazon SES Developer Guide.

Contents

Action

The action performed by the reporting mail transfer agent (MTA) as a result of its attempt to deliver the message to the recipient address. This is required by RFC 3464.

Type: String

Valid Values: `failed | delayed | delivered | relayed | expanded`

Required: Yes

Status

The status code that indicates what went wrong. This is required by RFC 3464.

Type: String

Required: Yes

DiagnosticCode

An extended explanation of what went wrong; this is usually an SMTP response. See RFC 3463 for the correct formatting of this parameter.

Type: String

Required: No

ExtensionFields.member.N

Additional X-headers to include in the DSN.

Type: Array of ExtensionField objects

Required: No

FinalRecipient

The email address that the message was ultimately delivered to. This corresponds to the `Final-Recipient` in the DSN. If not specified, `FinalRecipient` is set to the `Recipient` specified in the `BouncedRecipientInfo` structure. Either `FinalRecipient` or the recipient in `BouncedRecipientInfo` must be a recipient of the original bounced message.

> **Note**
>
> Do not prepend the `FinalRecipient` email address with `rfc 822;`, as described in RFC 3798.

Type: String

Required: No

LastAttemptDate

The time the final delivery attempt was made, in RFC 822 date-time format.

Type: Timestamp

Required: No

RemoteMta

The MTA to which the remote MTA attempted to deliver the message, formatted as specified in RFC 3464 (`mta-name-type; mta-name`). This parameter typically applies only to propagating synchronous bounces.

Type: String

Required: No

See Also

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

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReputationOptions

Contains information about the reputation settings for a configuration set.

Contents

LastFreshStart

The date and time at which the reputation metrics for the configuration set were last reset. Resetting these metrics is known as a *fresh start*.

When you disable email sending for a configuration set using UpdateConfigurationSetSendingEnabled and later re-enable it, the reputation metrics for the configuration set (but not for the entire Amazon SES account) are reset.

If email sending for the configuration set has never been disabled and later re-enabled, the value of this attribute is `null`.

Type: Timestamp

Required: No

ReputationMetricsEnabled

Describes whether or not Amazon SES publishes reputation metrics for the configuration set, such as bounce and complaint rates, to Amazon CloudWatch.

If the value is `true`, reputation metrics are published. If the value is `false`, reputation metrics are not published. The default value is `false`.

Type: Boolean

Required: No

SendingEnabled

Describes whether email sending is enabled or disabled for the configuration set. If the value is `true`, then Amazon SES sends emails that use the configuration set. If the value is `false`, Amazon SES does not send emails that use the configuration set. The default value is `true`. You can change this setting using UpdateConfigurationSetSendingEnabled.

Type: Boolean

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3Action

When included in a receipt rule, this action saves the received message to an Amazon Simple Storage Service (Amazon S3) bucket and, optionally, publishes a notification to Amazon Simple Notification Service (Amazon SNS).

To enable Amazon SES to write emails to your Amazon S3 bucket, use an AWS KMS key to encrypt your emails, or publish to an Amazon SNS topic of another account, Amazon SES must have permission to access those resources. For information about granting permissions, see the Amazon SES Developer Guide.

> **Note**
>
> When you save your emails to an Amazon S3 bucket, the maximum email size (including headers) is 40 MB. Emails larger than that bounces.

For information about specifying Amazon S3 actions in receipt rules, see the Amazon SES Developer Guide.

Contents

BucketName

The name of the Amazon S3 bucket for incoming email.

Type: String

Required: Yes

IamRoleArn

The ARN of the IAM role to be used by Amazon Simple Email Service while writing to the Amazon S3 bucket, optionally encrypting your mail via the provided customer managed key, and publishing to the Amazon SNS topic. This role should have access to the following APIs:

- `s3:PutObject`, `kms:Encrypt` and `kms:GenerateDataKey` for the given Amazon S3 bucket.
- `kms:GenerateDataKey` for the given AWS KMS customer managed key.
- `sns:Publish` for the given Amazon SNS topic.

> **Note**
>
> If an IAM role ARN is provided, the role (and only the role) is used to access all the given resources (Amazon S3 bucket, AWS KMS customer managed key and Amazon SNS topic). Therefore, setting up individual resource access permissions is not required.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w-]+:iam::[0-9]+:role/[\w-]+`

Required: No

KmsKeyArn

The customer managed key that Amazon SES should use to encrypt your emails before saving them to the Amazon S3 bucket. You can use the AWS managed key or a customer managed key that you created in AWS KMS as follows:

- To use the AWS managed key, provide an ARN in the form of `arn:aws:kms:REGION:ACCOUNT-ID-WITHOUT-HYPHENS:alias/aws/ses`. For example, if your AWS account ID is 123456789012 and you want to use the AWS managed key in the US West (Oregon) Region, the ARN of the AWS managed key would be `arn:aws:kms:us-west-2:123456789012:alias/aws/ses`. If you use the AWS managed key, you don't need to perform any extra steps to give Amazon SES permission to use the key.
- To use a customer managed key that you created in AWS KMS, provide the ARN of the customer managed key and ensure that you add a statement to your key's policy to give Amazon SES permission to use it. For more information about giving permissions, see the Amazon SES Developer Guide.

For more information about key policies, see the AWS KMS Developer Guide. If you do not specify an AWS KMS key, Amazon SES does not encrypt your emails.

> **Important**
>
> Your mail is encrypted by Amazon SES using the Amazon S3 encryption client before the mail is submitted to Amazon S3 for storage. It is not encrypted using Amazon S3 server-side encryption. This means that you must use the Amazon S3 encryption client

to decrypt the email after retrieving it from Amazon S3, as the service has no access to use your AWS KMS keys for decryption. This encryption client is currently available with the AWS SDK for Java and AWS SDK for Ruby only. For more information about client-side encryption using AWS KMS managed keys, see the Amazon S3 Developer Guide.

Type: String

Required: No

ObjectKeyPrefix

The key prefix of the Amazon S3 bucket. The key prefix is similar to a directory name that enables you to store similar data under the same directory in a bucket.

Type: String

Required: No

TopicArn

The ARN of the Amazon SNS topic to notify when the message is saved to the Amazon S3 bucket. You can find the ARN of a topic by using the ListTopics operation in Amazon SNS.

For more information about Amazon SNS topics, see the Amazon SNS Developer Guide.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SendDataPoint

Represents sending statistics data. Each `SendDataPoint` contains statistics for a 15-minute period of sending activity.

Contents

Bounces

Number of emails that have bounced.

Type: Long

Required: No

Complaints

Number of unwanted emails that were rejected by recipients.

Type: Long

Required: No

DeliveryAttempts

Number of emails that have been sent.

Type: Long

Required: No

Rejects

Number of emails rejected by Amazon SES.

Type: Long

Required: No

Timestamp

Time of the data point.

Type: Timestamp

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SNSAction

When included in a receipt rule, this action publishes a notification to Amazon Simple Notification Service (Amazon SNS). This action includes a complete copy of the email content in the Amazon SNS notifications. Amazon SNS notifications for all other actions simply provide information about the email. They do not include the email content itself.

If you own the Amazon SNS topic, you don't need to do anything to give Amazon SES permission to publish emails to it. However, if you don't own the Amazon SNS topic, you need to attach a policy to the topic to give Amazon SES permissions to access it. For information about giving permissions, see the Amazon SES Developer Guide.

> **Important**
>
> You can only publish emails that are 150 KB or less (including the header) to Amazon SNS. Larger emails bounce. If you anticipate emails larger than 150 KB, use the S3 action instead.

For information about using a receipt rule to publish an Amazon SNS notification, see the Amazon SES Developer Guide.

Contents

TopicArn

The Amazon Resource Name (ARN) of the Amazon SNS topic to notify. You can find the ARN of a topic by using the ListTopics operation in Amazon SNS.

For more information about Amazon SNS topics, see the Amazon SNS Developer Guide.

Type: String

Required: Yes

Encoding

The encoding to use for the email within the Amazon SNS notification. UTF-8 is easier to use, but may not preserve all special characters when a message was encoded with a different encoding format. Base64 preserves all special characters. The default value is UTF-8.

Type: String

Valid Values: `UTF-8` | `Base64`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SNSDestination

Contains the topic ARN associated with an Amazon Simple Notification Service (Amazon SNS) event destination.

Event destinations, such as Amazon SNS, are associated with configuration sets, which enable you to publish email sending events. For information about using configuration sets, see the Amazon SES Developer Guide.

Contents

TopicARN

The ARN of the Amazon SNS topic for email sending events. You can find the ARN of a topic by using the ListTopics Amazon SNS operation.

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 Java V2
- AWS SDK for Ruby V3

StopAction

When included in a receipt rule, this action terminates the evaluation of the receipt rule set and, optionally, publishes a notification to Amazon Simple Notification Service (Amazon SNS).

For information about setting a stop action in a receipt rule, see the Amazon SES Developer Guide.

Contents

Scope

The scope of the StopAction. The only acceptable value is `RuleSet`.

Type: String

Valid Values: `RuleSet`

Required: Yes

TopicArn

The Amazon Resource Name (ARN) of the Amazon SNS topic to notify when the stop action is taken. You can find the ARN of a topic by using the ListTopics Amazon SNS operation.

For more information about Amazon SNS topics, see the Amazon SNS Developer Guide.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Template

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

Contents

TemplateName

The name of the template. You use this name when you send email using the `SendTemplatedEmail` or `SendBulkTemplatedEmail` operations.

Type: String

Required: Yes

HtmlPart

The HTML body of the email.

Type: String

Required: No

SubjectPart

The subject line of the email.

Type: String

Required: No

TextPart

The email body that is visible to recipients whose email clients do not display HTML content.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TemplateMetadata

Contains information about an email template.

Contents

CreatedTimestamp

The time and date the template was created.

Type: Timestamp

Required: No

Name

The name of the template.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TrackingOptions

A domain that is used to redirect email recipients to an Amazon SES-operated domain. This domain captures open and click events generated by Amazon SES emails.

For more information, see Configuring Custom Domains to Handle Open and Click Tracking in the *Amazon SES Developer Guide*.

Contents

CustomRedirectDomain

The custom subdomain that is used to redirect email recipients to the Amazon SES event tracking domain.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

WorkmailAction

When included in a receipt rule, this action calls Amazon WorkMail and, optionally, publishes a notification to Amazon Simple Notification Service (Amazon SNS). It usually isn't necessary to set this up manually, because Amazon WorkMail adds the rule automatically during its setup procedure.

For information using a receipt rule to call Amazon WorkMail, see the Amazon SES Developer Guide.

Contents

OrganizationArn

The Amazon Resource Name (ARN) of the Amazon WorkMail organization. Amazon WorkMail ARNs use the following format:

```
arn:aws:workmail:<region>:<awsAccountId>:organization/
<workmailOrganizationId>
```

You can find the ID of your organization by using the ListOrganizations operation in Amazon WorkMail. Amazon WorkMail organization IDs begin with "`m-`", followed by a string of alphanumeric characters.

For information about Amazon WorkMail organizations, see the Amazon WorkMail Administrator Guide.

Type: String

Required: Yes

TopicArn

The Amazon Resource Name (ARN) of the Amazon SNS topic to notify when the WorkMail action is called. You can find the ARN of a topic by using the ListTopics operation in Amazon SNS.

For more information about Amazon SNS topics, see the Amazon SNS Developer Guide.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 400

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

InvalidParameterCombination

Parameters that must not be used together were used together. Remove one of the conflicting parameters and try again.

HTTP Status Code: 400

InvalidParameterValue

A value that you provided for a parameter isn't valid. Check the parameter constraints and try again.

HTTP Status Code: 400

InvalidQueryParameter

The AWS query string is malformed or doesn't adhere to AWS standards. Verify the query string format and try again.

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error. Verify the query string and try again.

HTTP Status Code: 404

MissingAction

The request is missing the Action parameter. Add the Action parameter and try again.

HTTP Status Code: 400

MissingAuthenticationToken

The request must contain a valid AWS access key ID or X.509 certificate. Verify that your credentials are included in the request.

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action isn't included in the request. Add the missing parameter and try again.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestExpired

The request has expired. This can happen if the request took more than 15 minutes to reach the service, the date stamp is more than 15 minutes in the future, or a pre-signed URL has expired. Generate a new request with a current timestamp and try again.

HTTP Status Code: 400

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400