



Custom Event Bus API Reference

Amazon EventBridge Custom Event Bus



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Amazon EventBridge Custom Event Bus: Custom Event Bus API Reference

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Welcome

Amazon EventBridge event bus API. An event bus receives events published by your applications and AWS services, stores them for a configurable retention period, and delivers them to subscribers. A subscriber filters events, optionally transforms them, and invokes a target such as Lambda, SQS, SNS, Kinesis, Step Functions, or an HTTP endpoint. The API manages event buses, subscribers, event sources, resource policies, and tags, and publishes events through `PutEvents` and `PutRawEvents`.

This document was last published on September 30, 2026.

Actions

The following actions are supported:

- [CreateEventBus](#)
- [CreateEventSource](#)
- [CreateSubscriber](#)
- [DeleteEventBus](#)
- [DeleteEventSource](#)
- [DeleteResourcePolicy](#)
- [DeleteSubscriber](#)
- [DescribeEventBus](#)
- [DescribeEventSource](#)
- [DescribeSubscriber](#)
- [GetResourcePolicy](#)
- [ListEventBuses](#)
- [ListEventSources](#)
- [ListResourcePolicies](#)
- [ListSubscribers](#)
- [ListTagsForResource](#)
- [PutEvents](#)
- [PutRawEvents](#)
- [PutResourcePolicy](#)
- [RevokeResource](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateEventBus](#)
- [UpdateEventSource](#)
- [UpdateSubscriber](#)

CreateEventBus

Creates an event bus. Provisioning is asynchronous: the bus is returned in the CREATING state and transitions to ACTIVE when ready (see the EventBusActive waiter). Retries carrying the same ClientToken are idempotent.

Request Parameters

ClientToken

Unique, case-sensitive identifier that ensures the idempotency of the request. The SDK generates one automatically when the field is omitted.

Type: String

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

Pattern: `[\u0021-\u007E]+`

Required: No

Description

Free-text description. Used by every resource type that has one: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `[^\u0000-\u001F\u007F-\u009F\u2028\u2029]*(?![\s\S]).*`

Required: No

EncryptionConfiguration

Encryption configuration for an event bus.

Type: [EncryptionConfiguration](#) object

Required: No

Name

Name of an event bus. The first character must be alphanumeric; the remaining characters may also include '.', '-', and '_'. The grammar matches the name segment of EventBusArn (event-busv2/<name>/<id>), so every valid name can be represented in the bus's ARN. The same type is used everywhere a bus name appears.

Type: String

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

Pattern: `[A-Za-z0-9][\.\-_A-Za-z0-9]*`

Required: Yes

StorageConfiguration

Event storage configuration for an event bus.

Type: [StorageConfiguration](#) object

Required: No

Tags

Tags attached to a resource, as key-value pairs.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Key Pattern: `\S([\s\S]*\S)?(?![\s\S]).*`

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

Value Pattern: `(\S([\s\S]*\S)?)(?![\s\S]).*`

Required: No

Response Elements

The following elements are returned by the service.

CreationTime

The time the event bus was created.

Type: Timestamp

Description

Free-text description. Used by every resource type that has one: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `[^\u0000-\u001F\u007F-\u009F\u2028\u2029]*(?![\s\S]).*`

EncryptionConfiguration

Encryption configuration for an event bus.

Type: [EncryptionConfiguration](#) object

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2/[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}/[a-z0-9]{25}`

Name

Name of an event bus. The first character must be alphanumeric; the remaining characters may also include `'`, `-`, and `_`. The grammar matches the name segment of EventBusArn (event-busv2/<name>/<id>), so every valid name can be represented in the bus's ARN. The same type is used everywhere a bus name appears.

Type: String

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

Pattern: `[A-Za-z0-9][\.\-_A-Za-z0-9]*`

State

Lifecycle state of an event bus.

- **CREATING**: Bus creation is in progress.
- **CREATE_FAILED**: Bus creation failed; see `StateReason`. The bus cannot be recovered or recreated in place: delete it with `DeleteEventBus`, then create a new bus.
- **ACTIVE**: Bus is fully operational and can accept events.
- **UPDATING**: Bus update is in progress.
- **UPDATE_FAILED**: Bus update failed; the bus remains operational with its previous configuration.
- **DELETING**: Bus deletion is actively in progress.
- **DELETE_FAILED**: Bus deletion failed; see `StateReason`. Retry `DeleteEventBus` after removing subscribers and event sources.

Type: String

Valid Values: `CREATING` | `CREATE_FAILED` | `UPDATING` | `UPDATE_FAILED` | `DELETING` | `ACTIVE` | `DELETE_FAILED`

StateReason

Human-readable explanation of why an event bus is in its current State. Omitted when the bus is in a normal operational state (**ACTIVE**). It stands in for the error response an asynchronous failure cannot return, so it applies only to resources with an asynchronous lifecycle: event buses. EventSources and subscribers are provisioned synchronously and report failures directly on the request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

StorageConfiguration

Event storage configuration of an event bus, as returned on reads.

Type: [StorageConfigurationOutput](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

IdempotentParameterMismatchException

The request reuses the client token of an earlier request with different parameters. Use a new client token, or resend the earlier request unchanged.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

InvalidStateException

The resource is not in a state that allows the operation. For example, an event bus that is still being created cannot accept events.

HTTP Status Code: 409

LimitExceededException

The request would exceed a service quota for the account.

HTTP Status Code: 400

ResourceAlreadyExistsException

A resource with the same name already exists.

HTTP Status Code: 409

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

CreateEventSource

Creates an EventSource, which forwards events from an origin (an AWS service or another account) onto an event bus. The bus must be ACTIVE. Retries carrying the same ClientToken are idempotent.

Request Parameters

ClientToken

Unique, case-sensitive identifier that ensures the idempotency of the request. The SDK generates one automatically when the field is omitted.

Type: String

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

Pattern: `[\u0021-\u007E]+`

Required: No

Configuration

Discriminated EventSource configuration. Exactly one variant must be set.

Type: [EventSourceConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Description

Free-text description. Used by every resource type that has one: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `^[^\\u0000-\\u001F\\u007F-\\u009F\\u2028\\u2029]*(?![\\s\\S])\\.*`

Required: No

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\_\-A-Za-z0-9]{0,255}\[/a-z0-9]{25}`

Required: Yes

Name

EventSource name. First character alphanumeric; the rest may add '.', '-', '_'. Names may not begin with the reserved "aws." prefix. The grammar matches the ARN local-name segment in EventSourceArn (event-sourcev2/<type>/<name>/<id>), mirroring EventBusName, so a name the ARN cannot represent cannot be created.

Type: String

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

Pattern: `(?!aws\.)[A-Za-z0-9][\.\_\-A-Za-z0-9]*`

Required: Yes

Tags

Tags attached to a resource, as key-value pairs.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Key Pattern: `\S([\s\S]*\S)?(?![\s\S])`.

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

Value Pattern: `(\S([\s\S]*\S)?)(?![\s\S])`.

Required: No

Response Elements

The following elements are returned by the service.

CreationTime

The time the EventSource was created.

Type: Timestamp

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

EventSourceArn

EventSource ARN: `event-sourcev2/<type>/<name>/<id>`. The type segment is set by the service (`aws.service` for AWS service events, `aws.partner` for partner events) and is not part of the resource's name. The id segment is a 25-character identifier generated by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-sourcev2\[aws\.service|aws\.partner)\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

Name

EventSource name. First character alphanumeric; the rest may add `!`, `-`, `_`. Names may not begin with the reserved `"aws."` prefix. The grammar matches the ARN local-name segment in EventSourceArn (`event-sourcev2/<type>/<name>/<id>`), mirroring EventBusName, so a name the ARN cannot represent cannot be created.

Type: String

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

Pattern: `(?!aws\.)[A-Za-z0-9][\.\- _A-Za-z0-9]*`

State

Lifecycle state of an EventSource. Revocation is reported by the Revoked flag.

Type: String

Valid Values: CREATING | ACTIVE | UPDATING | CREATE_FAILED | UPDATE_FAILED | DELETING | DELETE_FAILED

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

IdempotentParameterMismatchException

The request reuses the client token of an earlier request with different parameters. Use a new client token, or resend the earlier request unchanged.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

InvalidStateException

The resource is not in a state that allows the operation. For example, an event bus that is still being created cannot accept events.

HTTP Status Code: 409

LimitExceededException

The request would exceed a service quota for the account.

HTTP Status Code: 400

ResourceAlreadyExistsException

A resource with the same name already exists.

HTTP Status Code: 409

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

CreateSubscriber

Creates a subscriber on an event bus, which delivers matching events to the configured target. The bus must be ACTIVE. Retries carrying the same ClientToken are idempotent.

Request Parameters

BatchConfiguration

Batching configuration for a subscriber.

Type: [BatchConfiguration](#) object

Required: No

ClientToken

Unique, case-sensitive identifier that ensures the idempotency of the request. The SDK generates one automatically when the field is omitted.

Type: String

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

Pattern: `[\u0021-\u007E]+`

Required: No

Description

Free-text description. Used by every resource type that has one: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `[\^\\u0000-\\u001F\\u007F-\\u009F\\u2028\\u2029]*(?![\\s\\S]).*`

Required: No

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Required: Yes

FilterConfiguration

Configuration for filtering events delivered to a subscriber. On `CreateSubscriber`, `Filters` is required and must contain at least one `Filter` with a non-empty `Pattern`. On `UpdateSubscriber`, an empty `FilterConfiguration: {}` clears the existing filter. Any non-empty shape (including `{Language:X}` without `Filters`) must contain a valid `Filters` list — same contract as `CreateSubscriber`. A non-empty `Filters` list overwrites; an omitted `FilterConfiguration` preserves existing state. All `Filters` are implicitly ANDed — an event must match every `Filter` to be delivered.

Type: [FilterConfiguration](#) object

Required: No

InvokeConfiguration

Configuration for how the subscriber invokes its target.

Type: [InvokeConfiguration](#) object

Required: Yes

LogConfiguration

Log configuration for a subscriber.

Type: [LogConfiguration](#) object

Required: No

Name

Name of a subscriber. The first character must be alphanumeric; the remaining characters may also include `'`, `'-`, and `'_'`.

Type: String

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

Pattern: `[A-Za-z0-9][\.\- _A-Za-z0-9]*`

Required: Yes

OnFailureConfiguration

On-failure configuration: where a failed delivery is sent. Shared by the subscriber and the EventSource.

Type: [OnFailureConfiguration](#) object

Required: No

PointInTimeConfiguration

Point-in-time configuration for a subscriber. Only applicable when StartingPosition is POINT_IN_TIME.

Type: [PointInTimeConfiguration](#) object

Required: No

RetryPolicy

Retry policy for a subscriber.

Type: [RetryPolicy](#) object

Required: No

StartingPosition

Starting position for a subscriber.

Type: String

Valid Values: LATEST | POINT_IN_TIME

Required: No

State

Customer-controlled run state of a subscriber, set on create or update. Distinct from the bus lifecycle vocabulary, where ACTIVE means "provisioned and healthy". Delivery requires State RUNNING on a subscriber that is not revoked.

Type: String

Valid Values: RUNNING | STOPPED

Required: No

Tags

Tags attached to a resource, as key-value pairs.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Key Pattern: `\S([\s\S]*\S)?(?![\s\S]).*`

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

Value Pattern: `(\S([\s\S]*\S)?)(?![\s\S]).*`

Required: No

Transformer

Transformer configuration for a subscriber.

Type: [Transformer](#) object

Required: No

Type

Delivery ordering mode of a subscriber: FIFO delivers events in order within an event group; UNORDERED delivers without an ordering guarantee.

Type: String

Valid Values: FIFO | UNORDERED

Required: No

Response Elements

The following elements are returned by the service.

CreationTime

The time the subscriber was created.

Type: Timestamp

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Name

Name of a subscriber. The first character must be alphanumeric; the remaining characters may also include '.', '-', and '_'.

Type: String

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

Pattern: `[A-Za-z0-9][\.\-_A-Za-z0-9]*`

PointInTimeConfiguration

Point-in-time configuration for a subscriber. Only applicable when StartingPosition is POINT_IN_TIME.

Type: [PointInTimeConfiguration](#) object

StartingPosition

Starting position for a subscriber.

Type: String

Valid Values: LATEST | POINT_IN_TIME

State

Customer-controlled run state of a subscriber, set on create or update. Distinct from the bus lifecycle vocabulary, where ACTIVE means "provisioned and healthy". Delivery requires State RUNNING on a subscriber that is not revoked.

Type: String

Valid Values: RUNNING | STOPPED

SubscriberArn

The Amazon Resource Name (ARN) that uniquely identifies a subscriber.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):subscriber\[A-Za-z0-9\[\.\-\_A-Za-z0-9\]{0,255}\[a-z0-9\]{25}`

Type

Delivery ordering mode of a subscriber: FIFO delivers events in order within an event group; UNORDERED delivers without an ordering guarantee.

Type: String

Valid Values: FIFO | UNORDERED

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

IdempotentParameterMismatchException

The request reuses the client token of an earlier request with different parameters. Use a new client token, or resend the earlier request unchanged.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

InvalidStateException

The resource is not in a state that allows the operation. For example, an event bus that is still being created cannot accept events.

HTTP Status Code: 409

LimitExceededException

The request would exceed a service quota for the account.

HTTP Status Code: 400

ResourceAlreadyExistsException

A resource with the same name already exists.

HTTP Status Code: 409

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

DeleteEventBus

Deletes an event bus. Deletion is asynchronous: the bus moves to DELETING and disappears when complete (see the `EventBusDeleted` waiter). A bus with subscribers or event sources cannot be deleted.

Request Parameters

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+):([0-9]{12}):event-busv2\[A-Za-z0-9][\.\_\-A-Za-z0-9]{0,255}\[a-z0-9]{25}`

Required: Yes

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

InvalidStateException

The resource is not in a state that allows the operation. For example, an event bus that is still being created cannot accept events.

HTTP Status Code: 409

ResourceInUseException

The resource is in use and cannot be deleted. For example, an event bus with subscribers or event sources cannot be deleted until they are deleted.

HTTP Status Code: 409

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

DeleteEventSource

Deletes an EventSource. Forwarding from its origin stops.

Request Parameters

EventSourceArn

EventSource ARN: event-sourcev2/<type>/<name>/<id>. The type segment is set by the service (aws.service for AWS service events, aws.partner for partner events) and is not part of the resource's name. The id segment is a 25-character identifier generated by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-sourcev2\/(aws\.service|aws\.partner)\/[A-Za-z0-9][\.\- _A-Za-z0-9]{0,255}\/[a-z0-9]{25}

Required: Yes

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

InvalidStateException

The resource is not in a state that allows the operation. For example, an event bus that is still being created cannot accept events.

HTTP Status Code: 409

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

DeleteResourcePolicy

Deletes the named resource policy attached to an event bus.

Request Parameters

ExpectedRevisionId

The delete succeeds only if the named policy's current revision ID matches this value; if it differs or the policy does not exist, the operation fails with `ConflictException`. The "NO_POLICY" sentinel is not valid here. When omitted, deleting an absent policy is an idempotent success. Supplying this value makes the delete non-idempotent: once it succeeds the expected revision no longer exists, so retrying an unanswered request fails with `ConflictException` even though the policy was deleted. To establish the outcome, read the policy back: `ResourceNotFoundException` means the delete took effect.

Type: String

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

Required: No

PolicyName

Which named policy to delete. Defaults to "default" when omitted (a delete AWS Resource Access Manager makes on the owner's behalf resolves to "AWS_RAM" instead). The two writers are exclusive in both directions — only Resource Access Manager can delete "AWS_RAM", and only the bus owner can delete "default" — so naming the other party's policy fails with `AccessDeniedException`. A well-formed name that is neither of the two fails with `InvalidInputException`.

Type: String

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

Pattern: `[A-Za-z0-9_]+`

Required: No

ResourceArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:( [0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Required: Yes

Response Elements

The following element is returned by the service.

RevisionId

Revision ID of the policy that was deleted. Absent when no policy was deleted.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

ConflictException

A client-supplied precondition (e.g. ExpectedRevisionId on a resource-policy write) did not match the current state of the resource. Retrying the same request will fail again; re-read the resource and re-evaluate before retrying.

A conditional request is not retry-safe on its own. If an earlier attempt committed but its response never reached the caller, retrying fails with this error, which is indistinguishable from another writer having won. Compare the resource's current contents with what the request intended: a successful attempt stores a revision ID the caller never saw, so the revision alone cannot tell the two apart, but matching contents mean the change took effect.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

DeleteSubscriber

Deletes a subscriber. Events are no longer delivered to its target.

Request Parameters

SubscriberArn

The Amazon Resource Name (ARN) that uniquely identifies a subscriber.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):subscriber\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

Required: Yes

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

DescribeEventBus

Returns the full configuration and lifecycle state of an event bus.

Request Parameters

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\_\-A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Required: Yes

Response Elements

The following elements are returned by the service.

CreationTime

The time the event bus was created.

Type: Timestamp

Description

Free-text description. Used by every resource type that has one: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `[^\u0000-\u001F\u007F-\u009F\u2028\u2029]*(?![\s\S]).*`

EncryptionConfiguration

Encryption configuration for an event bus.

Type: [EncryptionConfiguration](#) object

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

LastModifiedTime

The time the event bus was last modified.

Type: Timestamp

Name

Name of an event bus. The first character must be alphanumeric; the remaining characters may also include '.', '-', and '_'. The grammar matches the name segment of EventBusArn (`event-busv2/<name>/<id>`), so every valid name can be represented in the bus's ARN. The same type is used everywhere a bus name appears.

Type: String

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

Pattern: `[A-Za-z0-9][\.\-_A-Za-z0-9]*`

State

Lifecycle state of an event bus.

- **CREATING:** Bus creation is in progress.
- **CREATE_FAILED:** Bus creation failed; see `StateReason`. The bus cannot be recovered or recreated in place: delete it with `DeleteEventBus`, then create a new bus.
- **ACTIVE:** Bus is fully operational and can accept events.
- **UPDATING:** Bus update is in progress.
- **UPDATE_FAILED:** Bus update failed; the bus remains operational with its previous configuration.

- **DELETING**: Bus deletion is actively in progress.
- **DELETE_FAILED**: Bus deletion failed; see `StateReason`. Retry `DeleteEventBus` after removing subscribers and event sources.

Type: String

Valid Values: `CREATING` | `CREATE_FAILED` | `UPDATING` | `UPDATE_FAILED` | `DELETING` | `ACTIVE` | `DELETE_FAILED`

StateReason

Human-readable explanation of why an event bus is in its current State. Omitted when the bus is in a normal operational state (`ACTIVE`). It stands in for the error response an asynchronous failure cannot return, so it applies only to resources with an asynchronous lifecycle: event buses. EventSources and subscribers are provisioned synchronously and report failures directly on the request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

StorageConfiguration

Event storage configuration of an event bus, as returned on reads.

Type: [StorageConfigurationOutput](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

DescribeEventSource

Returns the full configuration and lifecycle state of an EventSource.

Request Parameters

EventSourceArn

EventSource ARN: event-source/v2/<type>/<name>/<id>. The type segment is set by the service (aws.service for AWS service events, aws.partner for partner events) and is not part of the resource's name. The id segment is a 25-character identifier generated by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+):([0-9]{12}):event-source/v2/(aws\.service|aws\.partner)\/[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}

Required: Yes

Response Elements

The following elements are returned by the service.

Configuration

Discriminated EventSource configuration. Exactly one variant must be set.

Type: [EventSourceConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

CreationTime

The time the EventSource was created.

Type: Timestamp

Description

Free-text description. Used by every resource type that has one: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `[^\u0000-\u001F\u007F-\u009F\u2028\u2029]*(?![\s\S]).*`

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

EventSourceArn

EventSource ARN: `event-sourcev2/<type>/<name>/<id>`. The type segment is set by the service (`aws.service` for AWS service events, `aws.partner` for partner events) and is not part of the resource's name. The id segment is a 25-character identifier generated by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-sourcev2\[aws\.service|aws\.partner)\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

LastModifiedTime

The time the EventSource was last modified.

Type: Timestamp

Name

EventSource name. First character alphanumeric; the rest may add `'`, `-`, `_`. Names may not begin with the reserved `"aws."` prefix. The grammar matches the ARN local-name segment in EventSourceArn (`event-sourcev2/<type>/<name>/<id>`), mirroring EventBusName, so a name the ARN cannot represent cannot be created.

Type: String

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

Pattern: (?!aws\.)[A-Za-z0-9][\.\- _A-Za-z0-9]*

Revoked

True when the bus owner has withdrawn this EventSource. Present only when true, so an absent member means the EventSource is not revoked. Revocation is terminal: it never returns to false. Mutating operations on a revoked EventSource fail with `InvalidStateException`, except `DeleteEventSource`, which stays available so a revoked EventSource can still be cleaned up.

Type: Boolean

State

Lifecycle state of an EventSource. Revocation is reported by the Revoked flag.

Type: String

Valid Values: CREATING | ACTIVE | UPDATING | CREATE_FAILED | UPDATE_FAILED | DELETING | DELETE_FAILED

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

DescribeSubscriber

Returns the full configuration and state of a subscriber.

Request Parameters

SubscriberArn

The Amazon Resource Name (ARN) that uniquely identifies a subscriber.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+):([0-9]{12}):subscriber\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

Required: Yes

Response Elements

The following elements are returned by the service.

BatchConfiguration

Batching configuration for a subscriber.

Type: [BatchConfiguration](#) object

CreationTime

The time the subscriber was created.

Type: Timestamp

Description

Free-text description. Used by every resource type that has one: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `[^\u0000-\u001F\u007F-\u009F\u2028\u2029]*(?![\s\S]).*`

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

FilterConfiguration

Configuration for filtering events delivered to a subscriber. On `CreateSubscriber`, `Filters` is required and must contain at least one `Filter` with a non-empty `Pattern`. On `UpdateSubscriber`, an empty `FilterConfiguration: {}` clears the existing filter. Any non-empty shape (including `{Language: X}` without `Filters`) must contain a valid `Filters` list — same contract as `CreateSubscriber`. A non-empty `Filters` list overwrites; an omitted `FilterConfiguration` preserves existing state. All `Filters` are implicitly ANDed — an event must match every `Filter` to be delivered.

Type: [FilterConfiguration](#) object

InvokeConfiguration

Configuration for how the subscriber invokes its target.

Type: [InvokeConfiguration](#) object

LastModifiedTime

The time the subscriber was last modified.

Type: Timestamp

LogConfiguration

Log configuration for a subscriber.

Type: [LogConfiguration](#) object

Name

Name of a subscriber. The first character must be alphanumeric; the remaining characters may also include '.', '-', and '_'.

Type: String

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

Pattern: `[A-Za-z0-9][\.\-_A-Za-z0-9]*`

OnFailureConfiguration

On-failure configuration: where a failed delivery is sent. Shared by the subscriber and the EventSource.

Type: [OnFailureConfiguration](#) object

PointInTimeConfiguration

Point-in-time configuration for a subscriber. Only applicable when StartingPosition is POINT_IN_TIME.

Type: [PointInTimeConfiguration](#) object

RetryPolicy

Retry policy for a subscriber.

Type: [RetryPolicy](#) object

Revoked

True when the bus owner has revoked this subscriber. Present only when true, so an absent member means the subscriber is not revoked. Revocation is terminal: it never returns to false. Mutating operations on a revoked subscriber fail with `InvalidStateException`, except `DeleteSubscriber`, which stays available so a revoked subscriber can still be cleaned up.

Type: Boolean

StartingPosition

Starting position for a subscriber.

Type: String

Valid Values: LATEST | POINT_IN_TIME

State

Customer-controlled run state of a subscriber, set on create or update. Distinct from the bus lifecycle vocabulary, where ACTIVE means "provisioned and healthy". Delivery requires State RUNNING on a subscriber that is not revoked.

Type: String

Valid Values: RUNNING | STOPPED

SubscriberArn

The Amazon Resource Name (ARN) that uniquely identifies a subscriber.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):subscriber\[A-Za-z0-9\[\.\_\-A-Za-z0-9\]{0,255}\[a-z0-9\]{25}`

Transformer

Transformer configuration for a subscriber.

Type: [Transformer](#) object

Type

Delivery ordering mode of a subscriber: FIFO delivers events in order within an event group; UNORDERED delivers without an ordering guarantee.

Type: String

Valid Values: FIFO | UNORDERED

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

GetResourcePolicy

Returns the named resource policy attached to an event bus. Fails with `ResourceNotFoundException` when the event bus or the named policy does not exist.

Request Parameters

PolicyName

Which named policy to read. Defaults to "default" when omitted (a read AWS Resource Access Manager makes on the owner's behalf resolves to "AWS_RAM" instead). Unlike writing, neither name is reserved on a read: the bus owner can read both. There is no fallback between the two, so a bus shared only through Resource Access Manager fails with `ResourceNotFoundException` until "AWS_RAM" is named explicitly. A well-formed name that is neither of the two fails with `InvalidInputException`.

Type: String

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

Pattern: `[A-Za-z0-9_]+`

Required: No

ResourceArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-\_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

Required: Yes

Response Elements

The following elements are returned by the service.

PolicyDocument

A resource policy document, as a JSON string. The maximum size is 389,120 bytes of UTF-8; the byte limit is enforced by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 389120.

PolicyName

Name of a policy attached to a resource. Valid values: "default" (the customer-managed policy) and "AWS_RAM" (managed exclusively by AWS Resource Access Manager). Any other value is rejected.

Type: String

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

Pattern: `[A-Za-z0-9_]+`

ResourceArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

RevisionId

Revision ID of a resource policy. A new revision ID is generated on every successful write.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

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- [AWS SDK for .NET V4](#)
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- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
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- [AWS SDK for Ruby V3](#)

ListEventBuses

Lists the event buses visible to the caller: buses the account owns and buses shared with it through AWS RAM. Shared entries carry identity fields only (Name, EventBusArn, EventBusAccountId); owned entries carry every summary field. Set EventBusAccountId to scope the list to one owner account.

Request Parameters

EventBusAccountId

AWS Account Id.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

Required: No

MaxResults

Maximum number of results to return in one page of a List operation.

Type: Integer

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

Required: No

NamePrefix

Name of an event bus. The first character must be alphanumeric; the remaining characters may also include '.', '-', and '_'. The grammar matches the name segment of EventBusArn (event-busv2/<name>/<id>), so every valid name can be represented in the bus's ARN. The same type is used everywhere a bus name appears.

Type: String

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

Pattern: `[A-Za-z0-9][\.\-_A-Za-z0-9]*`

Required: No

NextToken

Opaque pagination token returned by a List operation. Pass it back in the next request to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

Response Elements

The following elements are returned by the service.

EventBuses

List of event bus summaries.

Type: Array of [EventBusSummary](#) objects

NextToken

Opaque pagination token returned by a List operation. Pass it back in the next request to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

ListEventSources

Lists EventSources as summaries. By default the list spans the EventSources the caller account owns; set EventBusArn to scope it to one bus. Use DescribeEventSource to retrieve full configuration.

Request Parameters

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Required: No

MaxResults

Maximum number of results to return in one page of a List operation.

Type: Integer

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

Required: No

NamePrefix

EventSource name. First character alphanumeric; the rest may add '!', '-', '_'. Names may not begin with the reserved "aws." prefix. The grammar matches the ARN local-name segment in EventSourceArn (event-sourcev2/<type>/<name>/<id>), mirroring EventBusName, so a name the ARN cannot represent cannot be created.

Type: String

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

Pattern: `(?!aws\.)[A-Za-z0-9][\.\-_A-Za-z0-9]*`

Required: No

NextToken

Opaque pagination token returned by a List operation. Pass it back in the next request to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

Response Elements

The following elements are returned by the service.

EventSources

List of EventSource summaries.

Type: Array of [EventSourceSummary](#) objects

NextToken

Opaque pagination token returned by a List operation. Pass it back in the next request to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

ListResourcePolicies

Lists the resource policies attached to an event bus as summaries (policy name and revision ID). Use `GetResourcePolicy` to retrieve a policy document.

Request Parameters

MaxResults

Maximum number of results to return in one page of a List operation.

Type: Integer

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

Required: No

NextToken

Opaque pagination token returned by a List operation. Pass it back in the next request to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

ResourceArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-\_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Required: Yes

Response Elements

The following elements are returned by the service.

NextToken

Opaque pagination token returned by a List operation. Pass it back in the next request to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

PolicySummaries

List of resource policy summaries.

Type: Array of [ResourcePolicySummary](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

ListSubscribers

Lists subscribers as summaries. By default the list spans the subscribers the caller account owns across all buses; set `EventBusArn` to scope it to one bus. Use `DescribeSubscriber` to retrieve full configuration.

Request Parameters

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Required: No

MaxResults

Maximum number of results to return in one page of a List operation.

Type: Integer

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

Required: No

NamePrefix

Name of a subscriber. The first character must be alphanumeric; the remaining characters may also include `'`, `-`, and `_`.

Type: String

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

Pattern: `[A-Za-z0-9][\.\-_A-Za-z0-9]*`

Required: No

NextToken

Opaque pagination token returned by a List operation. Pass it back in the next request to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

Response Elements

The following elements are returned by the service.

NextToken

Opaque pagination token returned by a List operation. Pass it back in the next request to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Subscribers

List of subscriber summaries.

Type: Array of [SubscriberSummary](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

ListTagsForResource

Lists the tags on an event bus, subscriber, or event source.

Request Parameters

ResourceArn

ARN for an EventBridge resource that supports tagging: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}): (event-busv2|subscriber|event-sourcev2\|(aws\.service|aws\.partner))\|[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\|[a-z0-9]{25}`

Required: Yes

Response Elements

The following element is returned by the service.

Tags

Tags attached to a resource, as key-value pairs.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Key Pattern: `\S([\s\S]*\S)?(?![\s\S])`.

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

Value Pattern: `(\S([\s\S]*\S)?)(?![\s\S])`.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

PutEvents

Publishes events to an event bus.

Request Parameters

DeduplicationConfiguration

Request-level deduplication settings, applied to every entry in the batch.

Type: [DeduplicationConfiguration](#) object

Required: No

Entries

List of event entries to publish. Must contain at least one entry.

Type: Array of [PutEventsRequestEntry](#) objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Required: Yes

Response Elements

The following elements are returned by the service.

Entries

List of per-entry publish results, in the same order as the request entries.

Type: Array of [PutEventsResultEntry](#) objects

FailedEntryCount

The number of entries in the batch that failed to be published.

Type: Integer

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

InvalidStateException

The resource is not in a state that allows the operation. For example, an event bus that is still being created cannot accept events.

HTTP Status Code: 409

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

PutRawEvents

Publishes pre-shaped events to an event bus.

Request Parameters

DeduplicationConfiguration

Request-level deduplication settings, applied to every entry in the batch.

Type: [DeduplicationConfiguration](#) object

Required: No

Entries

List of event entries to publish. Must contain at least one entry.

Type: Array of [PutRawEventsRequestEntry](#) objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+):([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-\_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

Required: Yes

SchemaRegistryConfiguration

Schema-registry settings for encoding open-format (Avro/Protobuf) events. Required for open-format entries; ignored for JSON entries. The registry is read with the caller's credentials, so the caller needs read access to the registry it references.

Type: [SchemaRegistryConfiguration](#) object

Required: No

Response Elements

The following elements are returned by the service.

Entries

List of per-entry publish results, in the same order as the request entries.

Type: Array of [PutRawEventsResultEntry](#) objects

FailedEntryCount

The number of entries in the batch that failed to be published.

Type: Integer

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

InvalidStateException

The resource is not in a state that allows the operation. For example, an event bus that is still being created cannot accept events.

HTTP Status Code: 409

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

SchemaRegistryUnavailableException

The configured schema registry could not be reached. Retry the request.

HTTP Status Code: 400

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

PutResourcePolicy

Attaches a named resource policy to an event bus — the only resource type that supports policies; other resource ARNs are rejected. Each bus holds two named policies: "default" (customer-managed, full IAM policy language including Deny) and "AWS_RAM" (written exclusively by AWS Resource Access Manager to reflect resource shares). Both policies are evaluated on cross-account authorization; an explicit Deny in either overrides an Allow in the other. Operations that omit PolicyName target "default". A "default" policy that would grant public access is rejected with PublicPolicyException and is not attached; this check is always on and cannot be disabled.

Request Parameters

ExpectedRevisionId

The write succeeds only if the named policy's current revision ID matches this value; a policy that does not exist yet matches only the sentinel "NO_POLICY" (create-only). On mismatch the operation fails with ConflictException. When omitted, the write is unconditional. Every attempt stores a newly generated revision ID, so retrying an unanswered request can conflict with the caller's own earlier attempt; read the policy back and compare it with the one you intended before treating a conflict as another writer's change.

Type: String

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

Required: No

PolicyDocument

A resource policy document, as a JSON string. The maximum size is 389,120 bytes of UTF-8; the byte limit is enforced by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 389120.

Required: Yes

PolicyName

Which named policy to write. Defaults to "default", the customer-managed policy, when omitted (a write AWS Resource Access Manager makes on the owner's behalf resolves to

"AWS_RAM" instead). The two writers are exclusive in both directions — only Resource Access Manager can write "AWS_RAM", and only the bus owner can write "default" — so naming the other party's policy fails with `AccessDeniedException`. A well-formed name that is neither of the two fails with `InvalidInputException`.

Type: String

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

Pattern: `[A-Za-z0-9_]+`

Required: No

ResourceArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

Required: Yes

Response Elements

The following elements are returned by the service.

PolicyName

Name of a policy attached to a resource. Valid values: "default" (the customer-managed policy) and "AWS_RAM" (managed exclusively by AWS Resource Access Manager). Any other value is rejected.

Type: String

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

Pattern: `[A-Za-z0-9_]+`

ResourceArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_\A-Za-z0-9]{0,255}\[a-z0-9]{25}`

RevisionId

Absent when the write removed the policy; a removal produces no new revision.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

ConflictException

A client-supplied precondition (e.g. ExpectedRevisionId on a resource-policy write) did not match the current state of the resource. Retrying the same request will fail again; re-read the resource and re-evaluate before retrying.

A conditional request is not retry-safe on its own. If an earlier attempt committed but its response never reached the caller, retrying fails with this error, which is indistinguishable from another writer having won. Compare the resource's current contents with what the request

intended: a successful attempt stores a revision ID the caller never saw, so the revision alone cannot tell the two apart, but matching contents mean the change took effect.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

PolicyLengthExceededException

The policy document exceeds the maximum allowed size.

HTTP Status Code: 400

PublicPolicyException

The policy was rejected because it would grant public access to the event bus. A statement grants public access when its principal is a wildcard and no condition limits the callers to specific AWS accounts or principals. To fix it, replace the wildcard principal with specific principals, or add a condition that limits the callers to specific AWS accounts. Conditions on event content (events:source, events:detail-type, events:Metadata/*) do not identify the caller and do not make a wildcard principal non-public. Returned only for the "default" policy; the "AWS_RAM" policy is composed by AWS Resource Access Manager and never grants public access.

HTTP Status Code: 400

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

RevokeResource

Revokes a subscriber or an EventSource. The bus owner calls this to withdraw a misbehaving resource attached to their bus. Revocation is terminal: there is no operation that clears it. A revoked resource refuses mutating operations with `InvalidStateException`; delete stays available for cleanup.

Request Parameters

Arn

ARN of a resource a bus owner can revoke: a subscriber or an EventSource. The pattern is the revocable subset of `TaggableResourceArn`; buses are not revocable.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}): (subscriber|event-sourcev2\/(aws\.service|aws\.partner))\/[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Required: Yes

Response Elements

The following element is returned by the service.

Arn

ARN of a resource a bus owner can revoke: a subscriber or an EventSource. The pattern is the revocable subset of `TaggableResourceArn`; buses are not revocable.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}): (subscriber|event-sourcev2\/(aws\.service|aws\.partner))\/[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

InvalidStateException

The resource is not in a state that allows the operation. For example, an event bus that is still being created cannot accept events.

HTTP Status Code: 409

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

TagResource

Adds or replaces tags on an event bus, subscriber, or event source.

Request Parameters

ResourceArn

ARN for an EventBridge resource that supports tagging: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}): (event-busv2|subscriber|event-sourcev2\/(aws\.service|aws\.partner))\/[A-Za-z0-9](\.\-_A-Za-z0-9){0,255}\/[a-z0-9]{25}`

Required: Yes

Tags

Tags attached to a resource, as key-value pairs.

Type: String to string map

Map Entries: Maximum number of items.

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

Key Pattern: `\S([\s\S]*\S)?(?![\s\S])`.

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

Value Pattern: `(\S([\s\S]*\S)?)(?![\s\S])`.

Required: Yes

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

InvalidStateException

The resource is not in a state that allows the operation. For example, an event bus that is still being created cannot accept events.

HTTP Status Code: 409

LimitExceededException

The request would exceed a service quota for the account.

HTTP Status Code: 400

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

UntagResource

Removes tags from an event bus, subscriber, or event source.

Request Parameters

ResourceArn

ARN for an EventBridge resource that supports tagging: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}): (event-busv2|subscriber|event-sourceev2\|(aws\.service|aws\.partner))\|[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\|[a-z0-9]{25}`

Required: Yes

TagKeys

List of tag keys.

Type: Array of strings

Array Members: Minimum number of 1 item.

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

Pattern: `\S([\s\S]*\S)?(?![\s\S]).*`

Required: Yes

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

InvalidStateException

The resource is not in a state that allows the operation. For example, an event bus that is still being created cannot accept events.

HTTP Status Code: 409

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

UpdateEventBus

Updates an event bus. The update is asynchronous: the bus moves to UPDATING and returns to ACTIVE when the change is applied. Fields omitted from the request are left unchanged.

Request Parameters

Description

Free-text description. Used by every resource type that has one: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `[^\u0000-\u001F\u007F-\u009F\u2028\u2029]*(?![\s\S]).*`

Required: No

EncryptionConfiguration

Encryption configuration for an event bus.

Type: [EncryptionConfiguration](#) object

Required: No

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\_\-A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Required: Yes

StorageConfiguration

Event storage configuration for an event bus.

Type: [StorageConfiguration](#) object

Required: No

Response Elements

The following elements are returned by the service.

Description

Free-text description. Used by every resource type that has one: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `[^\u0000-\u001F\u007F-\u009F\u2028\u2029]*(?![\s\S]).*`

EncryptionConfiguration

Encryption configuration for an event bus.

Type: [EncryptionConfiguration](#) object

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2/[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}/[a-z0-9]{25}`

LastModifiedTime

The time the event bus was last modified.

Type: Timestamp

Name

Name of an event bus. The first character must be alphanumeric; the remaining characters may also include '.', '-', and '_'. The grammar matches the name segment of EventBusArn (event-

busv2/<name>/<id>), so every valid name can be represented in the bus's ARN. The same type is used everywhere a bus name appears.

Type: String

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

Pattern: `[A-Za-z0-9][\.\- _A-Za-z0-9]*`

State

Lifecycle state of an event bus.

- **CREATING**: Bus creation is in progress.
- **CREATE_FAILED**: Bus creation failed; see `StateReason`. The bus cannot be recovered or recreated in place: delete it with `DeleteEventBus`, then create a new bus.
- **ACTIVE**: Bus is fully operational and can accept events.
- **UPDATING**: Bus update is in progress.
- **UPDATE_FAILED**: Bus update failed; the bus remains operational with its previous configuration.
- **DELETING**: Bus deletion is actively in progress.
- **DELETE_FAILED**: Bus deletion failed; see `StateReason`. Retry `DeleteEventBus` after removing subscribers and event sources.

Type: String

Valid Values: `CREATING` | `CREATE_FAILED` | `UPDATING` | `UPDATE_FAILED` | `DELETING` | `ACTIVE` | `DELETE_FAILED`

StateReason

Human-readable explanation of why an event bus is in its current `State`. Omitted when the bus is in a normal operational state (**ACTIVE**). It stands in for the error response an asynchronous failure cannot return, so it applies only to resources with an asynchronous lifecycle: event buses. EventSources and subscribers are provisioned synchronously and report failures directly on the request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

StorageConfiguration

Event storage configuration of an event bus, as returned on reads.

Type: [StorageConfigurationOutput](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

InvalidStateException

The resource is not in a state that allows the operation. For example, an event bus that is still being created cannot accept events.

HTTP Status Code: 409

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

UpdateEventSource

Updates an EventSource. Fields omitted from the request are left unchanged.

Request Parameters

Configuration

Discriminated EventSource configuration. Exactly one variant must be set.

Type: [EventSourceConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

Description

Free-text description. Used by every resource type that has one: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `[^\u0000-\u001F\u007F-\u009F\u2028\u2029]*(?![\s\S]).*`

Required: No

EventSourceArn

EventSource ARN: `event-source<v2>/<type>/<name>/<id>`. The type segment is set by the service (`aws.service` for AWS service events, `aws.partner` for partner events) and is not part of the resource's name. The id segment is a 25-character identifier generated by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-source<v2>/(aws\.service|aws\.partner)/[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}/[a-z0-9]{25}`

Required: Yes

Response Elements

The following elements are returned by the service.

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

EventSourceArn

EventSource ARN: `event-sourcev2/<type>/<name>/<id>`. The type segment is set by the service (`aws.service` for AWS service events, `aws.partner` for partner events) and is not part of the resource's name. The id segment is a 25-character identifier generated by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-sourcev2\[aws\.service|aws\.partner)\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

LastModifiedTime

The time the EventSource was last modified.

Type: Timestamp

Name

EventSource name. First character alphanumeric; the rest may add `!`, `'`, `_`. Names may not begin with the reserved `"aws."` prefix. The grammar matches the ARN local-name segment in EventSourceArn (`event-sourcev2/<type>/<name>/<id>`), mirroring EventBusName, so a name the ARN cannot represent cannot be created.

Type: String

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

Pattern: `(?!aws\.)[A-Za-z0-9][\.\- _A-Za-z0-9]*`

State

Lifecycle state of an EventSource. Revocation is reported by the Revoked flag.

Type: String

Valid Values: CREATING | ACTIVE | UPDATING | CREATE_FAILED | UPDATE_FAILED | DELETING | DELETE_FAILED

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

InvalidStateException

The resource is not in a state that allows the operation. For example, an event bus that is still being created cannot accept events.

HTTP Status Code: 409

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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](#)

UpdateSubscriber

Updates a subscriber. Fields omitted from the request are left unchanged.

Request Parameters

BatchConfiguration

Batching configuration for a subscriber.

Type: [BatchConfiguration](#) object

Required: No

Description

Free-text description. Used by every resource type that has one: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `[^\u0000-\u001F\u007F-\u009F\u2028\u2029]*(?![\s\S]).*`

Required: No

FilterConfiguration

Configuration for filtering events delivered to a subscriber. On `CreateSubscriber`, `Filters` is required and must contain at least one `Filter` with a non-empty `Pattern`. On `UpdateSubscriber`, an empty `FilterConfiguration: {}` clears the existing filter. Any non-empty shape (including `{Language: X}` without `Filters`) must contain a valid `Filters` list — same contract as `CreateSubscriber`. A non-empty `Filters` list overwrites; an omitted `FilterConfiguration` preserves existing state. All `Filters` are implicitly ANDed — an event must match every `Filter` to be delivered.

Type: [FilterConfiguration](#) object

Required: No

InvokeConfiguration

Update-able configuration for how the subscriber invokes its target.

Type: [UpdateInvokeConfiguration](#) object

Required: No

LogConfiguration

Log configuration for a subscriber.

Type: [LogConfiguration](#) object

Required: No

OnFailureConfiguration

On-failure configuration: where a failed delivery is sent. Shared by the subscriber and the EventSource.

Type: [OnFailureConfiguration](#) object

Required: No

ResumePosition

Position from which delivery resumes when a subscriber is unpaused. Honored only on an UpdateSubscriber call that transitions State from STOPPED to RUNNING (unpause); ignored on any other call and not accepted on Create. Defaults to LAST_PROCESSED when omitted.

Type: String

Valid Values: LAST_PROCESSED | LATEST

Required: No

RetryPolicy

Retry policy for a subscriber.

Type: [RetryPolicy](#) object

Required: No

State

Customer-controlled run state of a subscriber, set on create or update. Distinct from the bus lifecycle vocabulary, where ACTIVE means "provisioned and healthy". Delivery requires State RUNNING on a subscriber that is not revoked.

Type: String

Valid Values: RUNNING | STOPPED

Required: No

SubscriberArn

The Amazon Resource Name (ARN) that uniquely identifies a subscriber.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+):([0-9]{12}):subscriber\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

Required: Yes

Transformer

Transformer configuration for a subscriber.

Type: [Transformer](#) object

Required: No

Response Elements

The following elements are returned by the service.

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+):([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

LastModifiedTime

The time the subscriber was last modified.

Type: Timestamp

Name

Name of a subscriber. The first character must be alphanumeric; the remaining characters may also include '.', '-', and '_'.

Type: String

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

Pattern: `[A-Za-z0-9][\.\-_A-Za-z0-9]*`

PointInTimeConfiguration

Point-in-time configuration for a subscriber. Only applicable when StartingPosition is POINT_IN_TIME.

Type: [PointInTimeConfiguration](#) object

StartingPosition

Starting position for a subscriber.

Type: String

Valid Values: LATEST | POINT_IN_TIME

State

Customer-controlled run state of a subscriber, set on create or update. Distinct from the bus lifecycle vocabulary, where ACTIVE means "provisioned and healthy". Delivery requires State RUNNING on a subscriber that is not revoked.

Type: String

Valid Values: RUNNING | STOPPED

SubscriberArn

The Amazon Resource Name (ARN) that uniquely identifies a subscriber.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

```
Pattern: arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):subscriber\[A-Za-z0-9\[\.\_\-A-Za-z0-9\]{0,255}\[a-z0-9\]{25}
```

Type

Delivery ordering mode of a subscriber: FIFO delivers events in order within an event group; UNORDERED delivers without an ordering guarantee.

Type: String

Valid Values: FIFO | UNORDERED

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The caller does not have the permissions required to perform the operation. This error is also returned when the operation cannot use the AWS KMS key for the event bus.

HTTP Status Code: 403

ConcurrentModificationException

Another change to the resource is already in progress. Retry the request.

HTTP Status Code: 409

InternalException

The request failed because of an internal service error. Retry the request.

HTTP Status Code: 500

InvalidInputException

A request parameter is missing or not valid.

HTTP Status Code: 400

InvalidStateException

The resource is not in a state that allows the operation. For example, an event bus that is still being created cannot accept events.

HTTP Status Code: 409

LimitExceededException

The request would exceed a service quota for the account.

HTTP Status Code: 400

ResourceNotFoundException

The resource does not exist.

HTTP Status Code: 404

ThrottlingException

The request was throttled because it exceeds a request rate limit. Retry the request with backoff.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface 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 EventBridgeV2 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:

- [AwsServiceEventsSourceConfiguration](#)
- [BatchConfiguration](#)
- [ConfluentPublicRegistryConfiguration](#)
- [DeduplicationConfiguration](#)
- [EncryptionConfiguration](#)
- [EventBusSummary](#)
- [EventBusV2Parameters](#)
- [EventBusV2SystemMetadata](#)
- [EventSourceConfiguration](#)
- [EventSourceSummary](#)
- [Filter](#)
- [FilterConfiguration](#)
- [HttpParameters](#)
- [InvokeConfiguration](#)
- [JsonataConfiguration](#)
- [KinesisParameters](#)
- [LambdaParameters](#)
- [LogConfiguration](#)
- [OnFailureConfiguration](#)
- [PartnerEventsSourceConfiguration](#)

- [PointInTimeConfiguration](#)
- [PutEventsRequestEntry](#)
- [PutEventsResultEntry](#)
- [PutEventsSystemMetadata](#)
- [PutRawEventsRequestEntry](#)
- [PutRawEventsResultEntry](#)
- [PutRawEventsSystemMetadata](#)
- [ResourcePolicySummary](#)
- [RetryPolicy](#)
- [SchemaRegistryConfiguration](#)
- [SnsMessageAttributeValue](#)
- [SnsParameters](#)
- [SqsMessageAttributeValue](#)
- [SqsParameters](#)
- [StepFunctionsParameters](#)
- [StorageConfiguration](#)
- [StorageConfigurationOutput](#)
- [SubscriberSummary](#)
- [Transformer](#)
- [UniversalTargetParameters](#)
- [UpdateInvokeConfiguration](#)

AwsServiceEventsSourceConfiguration

Configuration for forwarding a single AWS service's events from the account's default event bus.

Contents

AwsService

A single AWS service source identifier, e.g. "aws.s3". Wildcards and lists are rejected.

Type: String

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

Pattern: `aws\.[a-z0-9\-]+`

Required: Yes

OnFailureConfiguration

The destination for events that could not be forwarded.

Type: [OnFailureConfiguration](#) object

Required: No

Pattern

A filter pattern, as a JSON string, that defines which of the service's events are forwarded to the event bus. Do not include source, account, or region as top-level fields. If no pattern is specified, all events from the service are forwarded.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 3753.

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](#)

BatchConfiguration

Batching configuration for a subscriber.

Contents

MaxBatchSize

The maximum number of events to include in a single batch delivered to the target. The service delivers up to this many events per batch; fewer may be delivered when the batch window elapses or the target's per-batch limit is smaller. This is a maximum, not a guaranteed count. Valid range is 1-500 (default: 10, or the target API's per-batch maximum). The resolved value applied by the service is returned on read.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 500.

Required: No

MaxBatchWindowInSeconds

The maximum time in seconds to wait for a batch to fill before delivering it to the target. This is a maximum; a batch may be delivered sooner if it reaches MaxBatchSize or another delivery condition is met. Valid range is 0-300 (default: 0, meaning no wait). The resolved value applied by the service is always returned on read.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 300.

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](#)

ConfluentPublicRegistryConfiguration

Authentication configuration for public Confluent Schema Registry via EventBridge Connection.

Contents

ConnectionArn

EventBridge Connection ARN that provides API Key or OAuth credentials for the registry.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z0-9-]+\d{12}:connection/.+`

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](#)

DeduplicationConfiguration

Deduplication settings for a publish request.

Contents

DeduplicationType

How duplicate events are detected: by a hash of the event content (CONTENT_BASED). To deduplicate by a caller-supplied token instead, omit DeduplicationConfiguration and set DeduplicationId on each entry.

Type: String

Valid Values: CONTENT_BASED

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](#)

EncryptionConfiguration

Encryption configuration for an event bus.

Contents

KmsKeyIdIdentifier

Identifier of the AWS KMS customer managed key used to encrypt events: a key ID, key ARN, alias name, or alias ARN. When absent, events are encrypted with an AWS owned key.

Type: String

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

Pattern: `[a-zA-Z0-9_\-/:]*`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EventBusSummary

Summary of an event bus, as returned by ListEventBuses.

Contents

CreationTime

The time the event bus was created.

Type: Timestamp

Required: No

Description

Free-text description. Used by every resource type that has one: event buses, subscribers, and event sources.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `[^\u0000-\u001F\u007F-\u009F\u2028\u2029]*(?![\s\S]).*`

Required: No

EventBusAccountId

AWS Account Id.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

Required: No

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Required: No

LastModifiedTime

The time the event bus was last modified.

Type: Timestamp

Required: No

Name

Name of an event bus. The first character must be alphanumeric; the remaining characters may also include '.', '-', and '_'. The grammar matches the name segment of EventBusArn (event-busv2/<name>/<id>), so every valid name can be represented in the bus's ARN. The same type is used everywhere a bus name appears.

Type: String

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

Pattern: `[A-Za-z0-9][\.\-_A-Za-z0-9]*`

Required: No

State

Lifecycle state of an event bus.

- **CREATING**: Bus creation is in progress.
- **CREATE_FAILED**: Bus creation failed; see `StateReason`. The bus cannot be recovered or recreated in place: delete it with `DeleteEventBus`, then create a new bus.
- **ACTIVE**: Bus is fully operational and can accept events.
- **UPDATING**: Bus update is in progress.
- **UPDATE_FAILED**: Bus update failed; the bus remains operational with its previous configuration.
- **DELETING**: Bus deletion is actively in progress.

- **DELETE_FAILED**: Bus deletion failed; see `StateReason`. Retry `DeleteEventBus` after removing subscribers and event sources.

Type: String

Valid Values: `CREATING` | `CREATE_FAILED` | `UPDATING` | `UPDATE_FAILED` | `DELETING` | `ACTIVE` | `DELETE_FAILED`

Required: No

StateReason

Human-readable explanation of why an event bus is in its current State. Omitted when the bus is in a normal operational state (`ACTIVE`). It stands in for the error response an asynchronous failure cannot return, so it applies only to resources with an asynchronous lifecycle: event buses. EventSources and subscribers are provisioned synchronously and report failures directly on the request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

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](#)

EventBusV2Parameters

Parameters for forwarding events to another EventBridge event bus.

Contents

DeduplicationConfiguration

Deduplication settings applied to the forwarded events on the downstream bus.

Type: [DeduplicationConfiguration](#) object

Required: No

Metadata

Customer-defined metadata forwarded with each event.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 100 items.

Required: No

SystemMetadata

Customer-controllable system metadata attached to each forwarded event.

Type: [EventBusV2SystemMetadata](#) 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](#)

EventBusV2SystemMetadata

Customer-controllable system metadata attached to events forwarded to the downstream event bus.

Contents

DeduplicationId

Deduplication ID for FIFO deduplication on the downstream bus. Accepts a literal or a JSONata expression.

Type: String

Required: No

EventGroupId

Event group ID for FIFO ordering on the downstream bus. Accepts a literal or a JSONata expression.

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](#)

EventSourceConfiguration

Discriminated EventSource configuration. Exactly one variant must be set.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

AwsServiceEventsConfiguration

Configuration for forwarding a single AWS service's events from the account's default event bus.

Type: [AwsServiceEventsSourceConfiguration](#) object

Required: No

PartnerEventsConfiguration

Configuration for forwarding a partner event source's events through a managed partner event bus.

Type: [PartnerEventsSourceConfiguration](#) 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](#)

EventSourceSummary

Summary of an EventSource, as returned by ListEventSources.

Contents

CreationTime

The time the EventSource was created.

Type: Timestamp

Required: No

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+)*:(([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

Required: No

EventSourceAccountId

AWS Account Id.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

Required: No

EventSourceArn

EventSource ARN: `event-sourcev2/<type>/<name>/<id>`. The type segment is set by the service (`aws.service` for AWS service events, `aws.partner` for partner events) and is not part of the resource's name. The id segment is a 25-character identifier generated by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-sourcev2\/(aws\.service|aws\.partner)\/[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Required: No

LastModifiedTime

The time the EventSource was last modified.

Type: Timestamp

Required: No

Name

EventSource name. First character alphanumeric; the rest may add `'`, `-`, `_`. Names may not begin with the reserved `"aws."` prefix. The grammar matches the ARN local-name segment in EventSourceArn (`event-sourcev2/<type>/<name>/<id>`), mirroring EventBusName, so a name the ARN cannot represent cannot be created.

Type: String

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

Pattern: `(?!aws\.)[A-Za-z0-9][\.\-_A-Za-z0-9]*`

Required: No

Revoked

True when the bus owner has withdrawn this EventSource. Present only when true, so a bus owner listing EventSources sees at a glance which ones they revoked. See `DescribeEventSourceResponse$Revoked`.

Type: Boolean

Required: No

State

Lifecycle state of an EventSource. Revocation is reported by the Revoked flag.

Type: String

Valid Values: CREATING | ACTIVE | UPDATING | CREATE_FAILED | UPDATE_FAILED | DELETING | DELETE_FAILED

Required: No

Type

Origin type of an EventSource: an AWS service's events (AWS_SERVICE_EVENTS) or a partner event source's events (PARTNER_EVENTS).

Type: String

Valid Values: AWS_SERVICE_EVENTS | PARTNER_EVENTS

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](#)

Filter

A single filter entry within a `FilterConfiguration`.

Contents

Pattern

An event pattern, as a JSON string, that selects which events match.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Required: Yes

Scope

Scope of a filter pattern within a `FilterConfiguration`.

Type: String

Valid Values: DATA | METADATA | SYSTEM_METADATA

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](#)

FilterConfiguration

Configuration for filtering events delivered to a subscriber. On `CreateSubscriber`, `Filters` is required and must contain at least one `Filter` with a non-empty `Pattern`. On `UpdateSubscriber`, an empty `FilterConfiguration: {}` clears the existing filter. Any non-empty shape (including `{Language:X}` without `Filters`) must contain a valid `Filters` list — same contract as `CreateSubscriber`. A non-empty `Filters` list overwrites; an omitted `FilterConfiguration` preserves existing state. All `Filters` are implicitly ANDed — an event must match every `Filter` to be delivered.

Contents

Filters

List of filters. An event must match every filter to be delivered.

Type: Array of [Filter](#) objects

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

Required: No

Language

Defaults to `EVENT_BRIDGE_PATTERN` when not specified.

Type: String

Valid Values: `EVENT_BRIDGE_PATTERN`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

HttpParameters

HTTP invocation parameters for subscribers (API Gateway / API Destination). Values are forwarded to the HTTP endpoint.

Contents

HeaderParameters

Map of HTTP header names to values, sent with the request to an HTTP target.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 0. Maximum length of 512.

Key Pattern: (`[!#$%&' *+ \- . ^ _ ` | ~ 0-9a-zA-Z]+ | \{ % [\s \S] + ? % \}`)

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

Value Pattern: (`[ \t] * [ \x20 - \x7E ] + ( [ \t] + [ \x20 - \x7E ] + ) * [ \t] * | \{ % [ \s \S ] + ? % \}`)

Required: No

InvocationTimeoutSeconds

Timeout in seconds for each invocation of the target (1-30). String-typed (not integer) so the value may be a JSONata expression.

Type: String

Required: No

PathParameterValues

Values substituted, in order, for the path-parameter placeholders in an HTTP target's endpoint path.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Pattern: `(?!\\s*$).+`

Required: No

QueryStringParameters

Map of query-string parameter names to values, appended to the request to an HTTP target.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 0. Maximum length of 512.

Key Pattern: `[^\\x00-\\x1F\\x7F]+`

Value Length Constraints: Minimum length of 0. Maximum length of 512.

Value Pattern: `[^\\x00-\\x09\\x0B\\x0C\\x0E-\\x1F\\x7F]+`

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](#)

InvokeConfiguration

Configuration for how the subscriber invokes its target.

Contents

RoleArn

IAM role the service assumes to invoke the target. Must belong to the calling account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:aws(-[a-z0-9]+)*:iam::\d{12}:role\/[\w+=, .@/-]+`

Required: Yes

TargetArn

ARN of the target a subscriber invokes. The resource grammar is service-neutral because target services use different separators and the USI form omits region and account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:aws(-[a-z0-9]+)*:[^\s]+(?![\s\S]).*`

Required: Yes

EventBusV2Parameters

Parameters for forwarding events to another EventBridge event bus.

Type: [EventBusV2Parameters](#) object

Required: No

HttpParameters

HTTP invocation parameters for subscribers (API Gateway / API Destination). Values are forwarded to the HTTP endpoint.

Type: [HttpParameters](#) object

Required: No

KinesisParameters

Kinesis Data Streams invocation parameters for subscribers. Values are forwarded to the Kinesis PutRecords API. All scalar values accept a literal or a JSONata expression (e.g. "{% \$events.Data.partitionKey %}").

Type: [KinesisParameters](#) object

Required: No

LambdaParameters

Lambda invocation parameters for subscribers. Values are forwarded to the Lambda Invoke API. Every string member accepts a literal or a JSONata expression (e.g. "{% \$events.Data.qualifier %}").

Type: [LambdaParameters](#) object

Required: No

SnsParameters

SNS invocation parameters for subscribers. Values are forwarded to the SNS PublishBatch API. All scalar values accept a literal or a JSONata expression (e.g. "{% \$events.Data.groupId %}").

Type: [SnsParameters](#) object

Required: No

SqsParameters

SQS invocation parameters for subscribers. Values are forwarded to the SQS SendMessageBatch API. All scalar values accept a literal or a JSONata expression (e.g. "{% \$events.Data.groupId %}").

Type: [SqsParameters](#) object

Required: No

StepFunctionsParameters

Step Functions invocation parameters for subscribers. Values are forwarded to the Step Functions StartExecution or StartSyncExecution API. Every string member accepts a literal or a JSONata expression (e.g. "{% \$events.Data.executionName %}").

Type: [StepFunctionsParameters](#) object

Required: No

UniversalTargetParameters

Parameters for USI (Universal Service Integration) targets. Used when TargetArn is in the format `arn:aws:events::aws-sdk:{service}:{apiAction}`

Type: [UniversalTargetParameters](#) 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](#)

JsonataConfiguration

JSONata transform settings for a subscriber.

Contents

Expression

JSONata expression to transform the event. Must be wrapped in {% %} delimiters.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Pattern: `\{%[\s\S]+?%\}(![\s\S])\.*`

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

KinesisParameters

Kinesis Data Streams invocation parameters for subscribers. Values are forwarded to the Kinesis PutRecords API. All scalar values accept a literal or a JSONata expression (e.g. "{%\$events.Data.partitionKey %}").

Contents

ExplicitHashKey

Explicit hash key forwarded to PutRecords unchanged. Accepts JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

PartitionKey

Required by PutRecords even when an explicit hash key is supplied. Accepts JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

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](#)

LambdaParameters

Lambda invocation parameters for subscribers. Values are forwarded to the Lambda Invoke API. Every string member accepts a literal or a JSONata expression (e.g. "{% \$events.Data.qualifier %}").

Contents

DurableExecutionName

Durable execution name. Accepts a JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

InvocationTimeoutSeconds

Timeout in seconds for each invocation of the target. String-typed so the value may be a JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

InvocationType

Lambda invocation type. EVENT invokes the function asynchronously; REQUEST_RESPONSE waits for its result.

Type: String

Valid Values: EVENT | REQUEST_RESPONSE

Required: No

Qualifier

Lambda qualifier: \$LATEST, \$LATEST.PUBLISHED, a numeric version, or an alias. Accepts a JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

TenantId

Tenant identifier. Accepts a JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

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](#)

LogConfiguration

Log configuration for a subscriber.

Contents

IncludePayload

Whether the customer event payload is embedded in log records. Defaults to `ON_ERROR_ONLY`.

Type: String

Valid Values: `FULL` | `ON_ERROR_ONLY`

Required: No

Level

Minimum log level. Records below this level are not emitted. Defaults to `OFF`.

Type: String

Valid Values: `OFF` | `ERROR` | `INFO`

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](#)

OnFailureConfiguration

On-failure configuration: where a failed delivery is sent. Shared by the subscriber and the EventSource.

Contents

Arn

The ARN of the destination that receives events that could not be delivered. An Amazon SQS queue is the supported destination.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:aws(-[a-z0-9]+)*:sqs:[a-z][a-z0-9]*(-[a-z0-9]+)*:[0-9]{12}:[A-Za-z0-9_-]{1,80}|[A-Za-z0-9_-]{1,75}\.fifo(?:[\\s\\S]).*`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PartnerEventsSourceConfiguration

Configuration for forwarding a partner event source's events through a managed partner event bus.

Contents

PartnerEventSourceArn

ARN of the partner event source to forward. It is a partner-owned resource, so the account segment is empty: `arn:aws:events:<region>::event-source/aws.partner/<name>`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12})?:event-source\aws\.partner(\.[\._A-Za-z0-9]+){2,}`

Required: Yes

OnFailureConfiguration

The destination for events that could not be forwarded, covering both the forwarding target and the managed partner event bus.

Type: [OnFailureConfiguration](#) object

Required: No

PartnerBusKmsKeyIdentifier

Identifier of the AWS KMS customer managed key used to encrypt events: a key ID, key ARN, alias name, or alias ARN. When absent, events are encrypted with an AWS owned key.

Type: String

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

Pattern: `[a-zA-Z0-9_\-/:]*`

Required: No

Pattern

A filter pattern, as a JSON string, that defines which of the partner event source's events are forwarded to the event bus. If no pattern is specified, all events from the partner event source are forwarded.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 3753.

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](#)

PointInTimeConfiguration

Point-in-time configuration for a subscriber. Only applicable when StartingPosition is POINT_IN_TIME.

Contents

PointType

Whether to start from the horizon or a specific timestamp.

Type: String

Valid Values: HORIZON | TIMESTAMP

Required: Yes

EndPoint

Timestamp to stop at. Optional.

Type: Timestamp

Required: No

StartingPoint

Timestamp to start from. Required when PointType is TIMESTAMP.

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](#)

PutEventsRequestEntry

A single event entry in a PutEvents request.

Contents

DetailType

Free-form detail-type classifying an event within its source.

Type: String

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

Required: Yes

Source

The source of the event. The `aws.` value prefix is service-reserved and cannot be used as a value.

Type: String

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

Required: Yes

Detail

The event payload, as a valid JSON string.

Type: String

Required: No

Resources

ARNs of resources the event concerns. Included in the event delivered to subscribers.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

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

Required: No

SystemMetadata

System metadata for PutEvents entries. ContentType is not applicable (always application/eventbridge+json, set server-side).

Type: [PutEventsSystemMetadata](#) object

Required: No

Time

The time the event occurred. Defaults to the time the service receives the event when omitted.

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](#)

PutEventsResultEntry

Result entry for a published event. The position of each entry in the response list aligns 1:1 with the corresponding request entry.

Contents

ErrorCode

Error code if the entry failed.

Type: String

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

Required: No

ErrorMessage

Error message if the entry failed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

EventId

Unique event ID assigned by the service.

Type: String

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

Required: No

SequenceNumber

Sequence number assigned to the message for ordering within the message group.

Type: String

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

Required: No

SuccessCode

Indicates the outcome for a successfully processed publish entry.

Type: String

Valid Values: PUBLISHED | DEDUPLICATED

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](#)

PutEventsSystemMetadata

System metadata for PutEvents entries. ContentType is not applicable (always application/eventbridge+json, set server-side).

Contents

DeduplicationId

Deduplication ID for FIFO deduplication.

Type: String

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

Pattern: `[\s\S]*[^\u0009-\u000D\u001C-\u0020\u001680\u2000-\u2006\u2008-\u200A\u2028\u2029\u205F\u3000][\s\S]*`

Required: No

EventGroupId

Event group ID for FIFO ordering.

Type: String

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

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](#)

PutRawEventsRequestEntry

A single event entry in a raw publish request.

Contents

Data

The event data as a base64-encoded blob. Supports binary formats.

Type: Base64-encoded binary data object

Required: Yes

SystemMetadata

Structured system metadata with defined properties.

Type: [PutRawEventsSystemMetadata](#) object

Required: Yes

Metadata

Metadata key-value pairs you define. Keys must be 1-128 characters and must not contain "/".

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 100 items.

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

Key Pattern: `[^/]+`

Value Length Constraints: Minimum length of 1.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PutRawEventsResultEntry

Result entry for a published event. The position of each entry in the response list aligns 1:1 with the corresponding request entry, enabling co-location by index.

Contents

ErrorCode

Error code if the entry failed.

Type: String

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

Required: No

ErrorMessage

Error message if the entry failed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

EventId

Unique event ID assigned by the service. Present on successful entries.

Type: String

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

Required: No

SequenceNumber

Sequence number for ordering within the event group.

Type: String

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

Required: No

SuccessCode

Indicates how the entry was processed. Present only on successful entries.

Type: String

Valid Values: PUBLISHED | DEDUPLICATED

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](#)

PutRawEventsSystemMetadata

System metadata for PutRawEvents entries. ContentType is required because PutRawEvents supports arbitrary binary formats.

Contents

ContentType

Content type of the event data. Valid values: application/json, application/avro, application/protobuf, application/octet-stream.

Type: String

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

Pattern: application/.*

Required: Yes

DeduplicationId

Deduplication ID for FIFO deduplication.

Type: String

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

Pattern: `[\s\S]*[^\u0009-\u000D\u001C-\u0020\u1680\u2000-\u2006\u2008-\u200A\u2028\u2029\u205F\u3000][\s\S]*`

Required: No

EventGroupId

Event group ID for FIFO ordering.

Type: String

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

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](#)

ResourcePolicySummary

Summary of a policy attached to a resource: its name and revision ID.

Contents

PolicyName

Name of a policy attached to a resource. Valid values: "default" (the customer-managed policy) and "AWS_RAM" (managed exclusively by AWS Resource Access Manager). Any other value is rejected.

Type: String

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

Pattern: [A-Za-z0-9_]+

Required: Yes

RevisionId

Revision ID of a resource policy. A new revision ID is generated on every successful write.

Type: String

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

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RetryPolicy

Retry policy for a subscriber.

Contents

MaxEventAgeInSeconds

Maximum age of an event in seconds before it is discarded (60-86400, default: 300).

Type: Integer

Valid Range: Minimum value of 60. Maximum value of 86400.

Required: No

MaxRetryAttempts

Maximum number of retry attempts (0-185, default: 5).

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 185.

Required: No

RetryStrategy

Strategy for determining which exceptions are retried. Default: ALL.

Type: String

Valid Values: ALL

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](#)

SchemaRegistryConfiguration

Schema registry settings used to encode open-format (Avro/Protobuf) events.

Contents

RegistryUri

Glue Schema Registry ARN, or Confluent Cloud HTTPS URL.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `(arn:[a-z0-9-]+:glue:[a-z0-9-]+:[0-9]{12}:registry/[-_#$A-Za-z0-9]{1,255}|https://((([A-Za-z0-9]+-)*[A-Za-z0-9]+\.)*([A-Za-z]([A-Za-z0-9-]*[A-Za-z0-9]))?)(:[0-9]{1,5})?)(?![\s\S]).*`

Required: Yes

ConfluentPublicRegistryConfiguration

Required when RegistryUri is an HTTPS URL. Provides Connection-based auth for Confluent Cloud.

Type: [ConfluentPublicRegistryConfiguration](#) 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](#)

SnsMessageAttributeValue

A custom SNS message attribute (data type plus string or binary value).

Contents

BinaryValue

Base64-encoded literal binary attribute value.

Type: String

Required: No

DataType

Attribute data type. Requiredness and the accepted vocabulary belong to SNS, which rejects an attribute without a data type on delivery.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

StringValue

String attribute value. A JSONata expression resolves once per delivered event.

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](#)

SnsParameters

SNS invocation parameters for subscribers. Values are forwarded to the SNS PublishBatch API. All scalar values accept a literal or a JSONata expression (e.g. "{% \$events.Data.groupId %}").

Contents

MessageAttributes

Custom message attributes for SNS filtering.

Type: String to [SnsMessageAttributeValue](#) object map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

MessageDeduplicationId

Message deduplication ID for FIFO topics. Accepts JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

MessageGroupId

Message group ID for FIFO topics. Accepts JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

MessageStructure

Per-protocol message formatting mode, forwarded to SNS Publish unchanged. Accepts JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

Subject

Subject line for email protocol subscriptions. Accepts JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

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](#)

SqsMessageAttributeValue

A custom SQS message attribute (data type plus string or binary value).

Contents

BinaryValue

Base64-encoded literal binary attribute value.

Type: String

Required: No

DataType

Attribute data type. Requiredness, the accepted vocabulary, and any custom label belong to SQS, which rejects an attribute without a data type on delivery.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

StringValue

String attribute value. A JSONata expression resolves once per delivered event.

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](#)

SqsParameters

SQS invocation parameters for subscribers. Values are forwarded to the SQS SendMessageBatch API. All scalar values accept a literal or a JSONata expression (e.g. "{% \$events.Data.groupId %}").

Contents

DelaySeconds

Delay in seconds before the message becomes visible, standard queues only. Accepts JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

MessageAttributes

Custom message attributes (name/type/value).

Type: String to [SqsMessageAttributeValue](#) object map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

MessageDeduplicationId

Message deduplication ID for FIFO queues. Accepts JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

MessageGroupId

Message group ID for FIFO queues. Accepts JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

MessageSystemAttributes

System message attributes (e.g., AWSTraceHeader).

Type: String to [SqsMessageAttributeValue](#) object map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 0. Maximum length of 8192.

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](#)

StepFunctionsParameters

Step Functions invocation parameters for subscribers. Values are forwarded to the Step Functions `StartExecution` or `StartSyncExecution` API. Every string member accepts a literal or a JSONata expression (e.g. `"{% $events.Data.executionName %}"`).

Contents

InvocationTimeoutSeconds

Timeout in seconds for each invocation of the target (1-30). String-typed (not integer) so the value may be a JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

InvocationType

Selects `StartExecution` (EVENT) or `StartSyncExecution` (REQUEST_RESPONSE) at delivery.

Type: String

Valid Values: EVENT | REQUEST_RESPONSE

Required: No

Name

Name for the execution. Must be unique per account/region/state machine. Accepts JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

TraceHeader

X-Ray trace header for distributed tracing. Accepts JSONata expression.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

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](#)

StorageConfiguration

Event storage configuration for an event bus.

Contents

RetentionPeriodInDays

Number of days events are retained on the event bus.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 365.

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](#)

StorageConfigurationOutput

Event storage configuration of an event bus, as returned on reads.

Contents

RetentionPeriodInDays

Number of days events are retained on the event bus.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 365.

Required: No

RetentionWindowStartTime

The earliest point in time from which stored events are available. Events older than this have expired from retention.

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](#)

SubscriberSummary

Summary of a subscriber, as returned by ListSubscribers.

Contents

CreationTime

The time the subscriber was created.

Type: Timestamp

Required: No

EventBusArn

The Amazon Resource Name (ARN) that uniquely identifies an event bus.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+)*:events:[a-z][a-z0-9]*(-[a-z0-9]+)*:([0-9]{12}):event-busv2\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\/[a-z0-9]{25}`

Required: No

LastModifiedTime

The time the subscriber was last modified.

Type: Timestamp

Required: No

Name

Name of a subscriber. The first character must be alphanumeric; the remaining characters may also include '.', '-', and '_'.

Type: String

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

Pattern: `[A-Za-z0-9][\.\-_A-Za-z0-9]*`

Required: No

Revoked

True when the bus owner has revoked this subscriber. Present only when true, so a bus owner listing subscribers sees at a glance which ones they revoked. See `DescribeSubscriberResponse.Revoked`.

Type: Boolean

Required: No

State

Customer-controlled run state of a subscriber, set on create or update. Distinct from the bus lifecycle vocabulary, where `ACTIVE` means "provisioned and healthy". Delivery requires `State` `RUNNING` on a subscriber that is not revoked.

Type: String

Valid Values: `RUNNING` | `STOPPED`

Required: No

SubscriberAccountId

AWS Account Id.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

Required: No

SubscriberArn

The Amazon Resource Name (ARN) that uniquely identifies a subscriber.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[a-z0-9]+):events:[a-z][a-z0-9]*(-[a-z0-9]+)*:(([0-9]{12}):subscriber\[A-Za-z0-9][\.\-_A-Za-z0-9]{0,255}\[a-z0-9]{25}`

Required: No

TargetArn

ARN of the target a subscriber invokes. The resource grammar is service-neutral because target services use different separators and the USI form omits region and account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:aws(-[a-z0-9]+)*:[^\s]+(?![\s\S]).*`

Required: No

Type

Delivery ordering mode of a subscriber: FIFO delivers events in order within an event group; UNORDERED delivers without an ordering guarantee.

Type: String

Valid Values: FIFO | UNORDERED

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](#)

Transformer

Transformer configuration for a subscriber.

Contents

JsonataConfiguration

JSONata expression configuration. Required when Type is JSONATA.

Type: [JsonataConfiguration](#) object

Required: No

Type

Transform type.

Type: String

Valid Values: RAW | WITH_METADATA | JSONATA

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](#)

UniversalTargetParameters

Parameters for USI (Universal Service Integration) targets. Used when TargetArn is in the format `arn:aws:events:::aws-sdk:{service}:{apiAction}`

Contents

Input

JSON string or JSONata expression that produces the API request. Supports `{% ... %}` JSONata expressions for dynamic values from the event.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 262144.

Required: Yes

InvocationTimeoutSeconds

Timeout in seconds for each invocation of the target (1-30, default 30). Must be a literal integer; JSONata expressions are not supported for this field. String-typed to match the other targets' timeout fields. Defaults to 30s when unset.

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](#)

UpdateInvokeConfiguration

Update-able configuration for how the subscriber invokes its target.

Contents

RoleArn

IAM role the service assumes to invoke the target. Must belong to the calling account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:aws(-[a-z0-9]+)*:iam::\d{12}:role\[\\w+=, .@/-\]+`

Required: Yes

EventBusV2Parameters

Parameters for forwarding events to another EventBridge event bus.

Type: [EventBusV2Parameters](#) object

Required: No

HttpParameters

HTTP invocation parameters for subscribers (API Gateway / API Destination). Values are forwarded to the HTTP endpoint.

Type: [HttpParameters](#) object

Required: No

KinesisParameters

Kinesis Data Streams invocation parameters for subscribers. Values are forwarded to the Kinesis PutRecords API. All scalar values accept a literal or a JSONata expression (e.g. "{%\$events.Data.partitionKey %}").

Type: [KinesisParameters](#) object

Required: No

LambdaParameters

Lambda invocation parameters for subscribers. Values are forwarded to the Lambda Invoke API. Every string member accepts a literal or a JSONata expression (e.g. "{% \$events.Data.qualifier %}").

Type: [LambdaParameters](#) object

Required: No

SnsParameters

SNS invocation parameters for subscribers. Values are forwarded to the SNS PublishBatch API. All scalar values accept a literal or a JSONata expression (e.g. "{% \$events.Data.groupId %}").

Type: [SnsParameters](#) object

Required: No

SqsParameters

SQS invocation parameters for subscribers. Values are forwarded to the SQS SendMessageBatch API. All scalar values accept a literal or a JSONata expression (e.g. "{% \$events.Data.groupId %}").

Type: [SqsParameters](#) object

Required: No

StepFunctionsParameters

Step Functions invocation parameters for subscribers. Values are forwarded to the Step Functions StartExecution or StartSyncExecution API. Every string member accepts a literal or a JSONata expression (e.g. "{% \$events.Data.executionName %}").

Type: [StepFunctionsParameters](#) object

Required: No

UniversalTargetParameters

Parameters for USI (Universal Service Integration) targets. Used when TargetArn is in the format arn:aws:events:::aws-sdk:{service}:{apiAction}

Type: [UniversalTargetParameters](#) 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](#)

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*.

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: 403

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

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

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

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

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

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

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