



REST API Reference

Amazon EventBridge Schemas



Amazon EventBridge Schemas: REST API Reference

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Welcome

Welcome to the *Amazon EventBridge Schema Registry API Reference*.

The Amazon EventBridge Schema Registry allows you to discover, create, and manage OpenAPI schemas for events on EventBridge. Using these API actions you can find schemas for existing AWS services, create and upload custom schemas, or generate a schema based on messages on an event bus. You can download code bindings for popular languages for all schemas in EventBridge to quickly build applications that use those events.

Note

Inactive schemas will be deleted after two years.

For more information on Amazon EventBridge, and managing schemas in the EventBridge console, see the following.

- [Amazon EventBridge Schema Registry](#)
- [Tutorial: Download code bindings for events using the EventBridge schema registry](#)

Operations

The Amazon EventBridge Schemas REST API includes the following operations.

- [CreateDiscoverer](#)

Creates a discoverer.

Due to no name being passed in the CreateDiscoverer API call there is no resource to DENY against when the customer adds a resource ARN of an existing discoverer in their IAM policies.

- [CreateRegistry](#)

Creates a registry.

- [CreateSchema](#)

Creates a schema definition.

 **Note**

Inactive schemas will be deleted after two years.

- [DeleteDiscoverer](#)

Deletes a discoverer.

- [DeleteRegistry](#)

Deletes a Registry.

- [DeleteResourcePolicy](#)

Delete the resource-based policy attached to the specified registry.

- [DeleteSchema](#)

Delete a schema definition.

- [DeleteSchemaVersion](#)

Delete the schema version definition

- [DescribeCodeBinding](#)

Describe the code binding URI.

- [DescribeDiscoverer](#)

Describes the discoverer.

- [DescribeRegistry](#)

Describes the registry.

- [DescribeSchema](#)

Retrieve the schema definition.

- [ExportSchema](#)

Exports a schema.

- [GetCodeBindingSource](#)

Get the code binding source URI.

- [GetDiscoveredSchema](#)

Get the discovered schema that was generated based on sampled events.

- [GetResourcePolicy](#)

Retrieves the resource-based policy attached to a given registry.

- [ListDiscoverers](#)

List the discoverers.

- [ListRegistries](#)

List the registries.

- [ListSchemas](#)

List the schemas.

- [ListSchemaVersions](#)

Provides a list of the schema versions and related information.

- [ListTagsForResource](#)

Get tags for resource.

- [PutCodeBinding](#)

Put code binding URI

- [PutResourcePolicy](#)

The name of the policy.

- [SearchSchemas](#)

Search the schemas

- [StartDiscoverer](#)

Starts the discoverer

- [StopDiscoverer](#)

Stops the discoverer

- [TagResource](#)

Add tags to a resource.

- [UntagResource](#)

Removes tags from a resource.

- [UpdateDiscoverer](#)

Updates the discoverer

- [UpdateRegistry](#)

- [UpdateSchema](#)

Updates the schema definition

 **Note**

Inactive schemas will be deleted after two years.

Resources

The Amazon EventBridge Schemas REST API includes the following resources.

Topics

- [Code Binding](#)
- [Delete Schema Version](#)
- [Describe or Update Discoverer](#)
- [Discover](#)
- [Discoverers](#)
- [Export](#)
- [Get Code Binding Source](#)
- [List Schema Versions](#)
- [Policy](#)
- [Registries](#)
- [Registry](#)
- [Schema](#)
- [Schemas](#)
- [Search Schemas](#)
- [Start Discoverer](#)
- [Stop Discoverer](#)
- [Tag](#)

Code Binding

URI

`/v1/registries/name/registryName/schemas/name/schemaName/language/language`

HTTP methods

GET

Operation ID: DescribeCodeBinding

Describe the code binding URI.

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.
<i>language</i>	String	True	The language of the code binding. The supported languages and corresponding values are as follows: <ul style="list-style-type: none">• Java: Java8• Python: Python36• TypeScript: TypeScript3• Golang: Go1

Query parameters

Name	Type	Required	Description
schemaVersion	String	False	Specifying this limits the results to only this schema version.

Responses

Status code	Response model	Description
200	CodeBindingOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
429	ErrorOutput	429 response
500	ErrorOutput	500 response

POST

Operation ID: PutCodeBinding

Put code binding URI

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.
<i>language</i>	String	True	The language of the code binding. The supported languages and corresponding values are as follows: <ul style="list-style-type: none">• Java: Java8

Name	Type	Required	Description
			<ul style="list-style-type: none">Python: Python36TypeScript: TypeScript3Golang: Go1

Query parameters

Name	Type	Required	Description
schemaVersion	String	False	Specifying this limits the results to only this schema version.

Responses

Status code	Response model	Description
202	CodeBindingOutput	202 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
410	ErrorOutput	410 response
429	ErrorOutput	429 response
500	ErrorOutput	500 response

OPTIONS

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.
<i>language</i>	String	True	The language of the code binding. The supported languages and corresponding values are as follows: <ul style="list-style-type: none">• Java: Java8• Python: Python36• TypeScript: TypeScript3• Golang: Go1

Query parameters

Name	Type	Required	Description
schemaVersion	String	False	Specifying this limits the results to only this schema version.

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Response bodies

CodeBindingOutput schema

```
{
  "Status": enum,
  "LastModified": "string",
  "CreationDate": "string",
  "SchemaVersion": "string"
}
```

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
}
```

Properties

CodeBindingOutput

Status

The current status of code binding generation.

Type: [CodeGenerationStatus](#)

Required: False

LastModified

The date and time that code bindings were modified.

Type: string

Required: False

Format: date-time

CreationDate

The time and date that the code binding was created.

Type: string

Required: False

Format: date-time

SchemaVersion

The version number of the schema.

Type: string

Required: False

CodeGenerationStatus

CREATE_IN_PROGRESS

CREATE_COMPLETE

CREATE_FAILED

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

Delete Schema Version

URI

/v1/registries/name/*registryName*/schemas/name/*schemaName*/
version/*schemaVersion*

HTTP methods

DELETE

Operation ID: DeleteSchemaVersion

Delete the schema version definition

Path parameters

Name	Type	Required	Description
<i>schemaVersion</i>	String	True	The version number of the schema
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.

Responses

Status code	Response model	Description
204	None	204 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response

Status code	Response model	Description
404	ErrorOutput	404 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

OPTIONS

Path parameters

Name	Type	Required	Description
<i>schemaVersion</i>	String	True	The version number of the schema
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Response bodies

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
```

```
}
```

Properties

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

Describe or Update Discoverer

URI

/v1/discoverers/id/*discovererId*

HTTP methods

GET

Operation ID: DescribeDiscoverer

Describes the discoverer.

Path parameters

Name	Type	Required	Description
<i>discovererId</i>	String	True	The ID of the discoverer.

Responses

Status code	Response model	Description
200	DiscovererOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

PUT

Operation ID: UpdateDiscoverer

Updates the discoverer

Path parameters

Name	Type	Required	Description
<i>discovererId</i>	String	True	The ID of the discoverer.

Responses

Status code	Response model	Description
200	DiscovererOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response

Status code	Response model	Description
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

DELETE

Operation ID: DeleteDiscoverer

Deletes a discoverer.

Path parameters

Name	Type	Required	Description
<i>discovererId</i>	String	True	The ID of the discoverer.

Responses

Status code	Response model	Description
204	None	204 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

OPTIONS

Path parameters

Name	Type	Required	Description
<i>discovererId</i>	String	True	The ID of the discoverer.

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Request bodies

PUT schema

```
{
  "CrossAccount": boolean,
  "Description": "string"
}
```

Response bodies

DiscovererOutput schema

```
{
  "DiscovererArn": "string",
  "DiscovererId": "string",
  "CrossAccount": boolean,
  "Description": "string",
  "SourceArn": "string",
  "State": enum,
  "tags": {
  }
}
```

```
}
```

ErrorOutput schema

```
{  
  "Message": "string",  
  "Code": "string"  
}
```

Properties

DiscovererOutput

DiscovererArn

The ARN of the discoverer.

Type: string

Required: False

DiscovererId

The ID of the discoverer.

Type: string

Required: False

CrossAccount

Whether cross-account events are discovered.

Type: boolean

Required: False

Description

The description of the discoverer.

Type: string

Required: False

SourceArn

The ARN of the event bus.

Type: string

Required: False

State

The state of the discoverer.

Type: [DiscovererState](#)

Required: False

tags

Tags associated with the resource.

Type: [Tags](#)

Required: False

DiscovererState

STARTED

STOPPED

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

Tags

Key-value pairs associated with a resource.

key-value pairs

Type: string

UpdateDiscovererInput

CrossAccount

Type: boolean

Required: False

Description

The description of the discoverer to update.

Type: string

Required: False

MinLength: 0

MaxLength: 256

Discover

Allows you get the discovered schemas that have been inferred from events on an event bus.

Note

Discoverer will only infer events that are nested up to 255 levels. Any events past 255 levels are ignored.

URI

/v1/discover

HTTP methods

POST

Operation ID: GetDiscoveredSchema

Get the discovered schema that was generated based on sampled events.

Responses

Status code	Response model	Description
200	GetDiscoveredSchemaOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Request bodies

POST schema

```
{
  "Type": enum,
  "Events": [
    "string"
  ]
}
```

Response bodies

GetDiscoveredSchemaOutput schema

```
{
  "Content": "string"
}
```

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
}
```

Properties

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

GetDiscoveredSchemaInput

Type

The type of event.

Type: [Type](#)

Required: True

Events

An array of strings where each string is a JSON event. These are the events that were used to generate the schema. The array includes a single type of event and has a maximum size of 10 events.

Type: Array of type string

Required: True

GetDiscoveredSchemaOutput

Content

The source of the schema definition.

Type: string

Required: False

Type

The type of schema to export.

OpenApi3

JSONSchemaDraft4

Discoverers

Discoverers allow you to infer EventBridge Schemas based on the events on an event bus.

URI

/v1/discoverers

HTTP methods

GET

Operation ID: ListDiscoverers

List the discoverers.

Query parameters

Name	Type	Required	Description
sourceArnPrefix	String	False	Specifying this limits the results to only those ARNs that start with the specified prefix.
limit	String	False	The maximum number of results to return per page.
nextToken	String	False	The token that specifies the next page of results to return. To request the first page, leave

Name	Type	Required	Description
discovererIdPrefix	String	False	NextToken empty. The token will expire in 24 hours, and cannot be shared with other accounts. Specifying this limits the results to only those discoverer IDs that start with the specified prefix.

Responses

Status code	Response model	Description
200	ListDiscoverersOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

POST

Operation ID: CreateDiscoverer

Creates a discoverer.

Due to no name being passed in the CreateDiscoverer API call there is no resource to DENY against when the customer adds a resource ARN of an existing discoverer in their IAM policies.

Responses

Status code	Response model	Description
201	DiscovererOutput	201 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
409	ErrorOutput	409 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Request bodies

POST schema

```
{
  "CrossAccount": boolean,
  "Description": "string",
  "SourceArn": "string",
  "tags": {
  }
}
```

Response bodies

ListDiscoverersOutput schema

```
{
  "NextToken": "string",
  "Discoverers": [
    {
      "DiscovererArn": "string",
      "DiscovererId": "string",
      "CrossAccount": boolean,
      "SourceArn": "string",
      "State": enum,
      "tags": {
      }
    }
  ]
}
```

DiscovererOutput schema

```
{
  "DiscovererArn": "string",
  "DiscovererId": "string",
  "CrossAccount": boolean,
  "Description": "string",
  "SourceArn": "string",
  "State": enum,
  "tags": {
  }
}
```

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
}
```

Properties

CreateDiscovererInput

CrossAccount

Allows for the discovery of the event schemas that are sent to the event bus from another account.
(default: true)

Type: boolean

Required: False

Description

A description for the discoverer.

Type: string

Required: False

MinLength: 0

MaxLength: 256

SourceArn

The ARN of the event bus.

Type: string

Required: True

MinLength: 20

MaxLength: 1600

tags

Tags associated with the resource.

Type: [Tags](#)

Required: False

DiscovererOutput

DiscovererArn

The ARN of the discoverer.

Type: string

Required: False

DiscovererId

The ID of the discoverer.

Type: string

Required: False

CrossAccount

Whether cross-account events are discovered.

Type: boolean

Required: False

Description

The description of the discoverer.

Type: string

Required: False

SourceArn

The ARN of the event bus.

Type: string

Required: False

State

The state of the discoverer.

Type: [DiscovererState](#)

Required: False

tags

Tags associated with the resource.

Type: [Tags](#)

Required: False

DiscovererState

STARTED

STOPPED

DiscovererSummary

A summary of the discoverer.

DiscovererArn

The ARN of the discoverer.

Type: string

Required: False

DiscovererId

The ID of the discoverer.

Type: string

Required: False

CrossAccount

Whether cross-account events are discovered.

Type: boolean

Required: False

SourceArn

The ARN of the event bus.

Type: string

Required: False

State

The state of the discoverer.

Type: [DiscovererState](#)

Required: False

tags

Tags associated with the resource.

Type: [Tags](#)

Required: False

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

ListDiscoverersOutput

NextToken

The token that specifies the next page of results to return. To request the first page, leave NextToken empty. The token will expire in 24 hours, and cannot be shared with other accounts.

Type: string

Required: False

Discoverers

An array of DiscovererSummary information.

Type: Array of type [DiscovererSummary](#)

Required: False

Tags

Key-value pairs associated with a resource.

key-value pairs

Type: string

Export

Exports a schema.

URI

`/v1/registries/name/registryName/schemas/name/schemaName/export`

HTTP methods

GET

Operation ID: ExportSchema

Exports a schema.

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.

Query parameters

Name	Type	Required	Description
type	String	True	The type of schema to export.
schemaVersion	String	False	Specifying this limits the results to only this schema version.

Responses

Status code	Response model	Description
200	ExportSchemaOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
429	ErrorOutput	429 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

OPTIONS

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Response bodies

ExportSchemaOutput schema

```
{
  "Type": "string",
  "SchemaVersion": "string",
  "Content": "string",
  "SchemaName": "string",
  "SchemaArn": "string"
}
```

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
}
```

Properties

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

ExportSchemaOutput

The schema to export.

Type

The type of schema to export.

Type: string

Required: False

SchemaVersion

The version of the schema to export.

Type: string

Required: False

Content

The content of the schema.

Type: string

Required: False

SchemaName

The name of the schema to export.

Type: string

Required: False

SchemaArn

The ARN of the schema to export.

Type: string

Required: False

Get Code Binding Source

URI

`/v1/registries/name/registryName/schemas/name/schemaName/language/language/source`

HTTP methods

GET

Operation ID: GetCodeBindingSource

Get the code binding source URI.

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.

Name	Type	Required	Description
<i>schemaName</i>	String	True	The name of the schema.
<i>language</i>	String	True	The language of the code binding. The supported languages and corresponding values are as follows: <ul style="list-style-type: none"> • Java: Java8 • Python: Python36 • TypeScript: TypeScript3 • Golang: Go1

Query parameters

Name	Type	Required	Description
schemaVersion	String	False	Specifying this limits the results to only this schema version.

Responses

Status code	Response model	Description
200	GetCodeBindingSourceOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response

Status code	Response model	Description
404	ErrorOutput	404 response
429	ErrorOutput	429 response
500	ErrorOutput	500 response

OPTIONS

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.
<i>language</i>	String	True	The language of the code binding. The supported languages and corresponding values are as follows: <ul style="list-style-type: none"> • Java: Java8 • Python: Python36 • TypeScript: TypeScript3 • Golang: Go1

Query parameters

Name	Type	Required	Description
schemaVersion	String	False	Specifying this limits the results to only this schema version.

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Response bodies

GetCodeBindingSourceOutput schema

```
"string"
```

ErrorOutput schema

```
{  
  "Message": "string",  
  "Code": "string"  
}
```

Properties

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

List Schema Versions

URI

/v1/registries/name/*registryName*/schemas/name/*schemaName*/versions

HTTP methods

GET

Operation ID: ListSchemaVersions

Provides a list of the schema versions and related information.

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.

Query parameters

Name	Type	Required	Description
limit	String	False	The maximum number of results to return per page.

Name	Type	Required	Description
nextToken	String	False	The token that specifies the next page of results to return. To request the first page, leave NextToken empty. The token will expire in 24 hours, and cannot be shared with other accounts.

Responses

Status code	Response model	Description
200	ListSchemaVersionsOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

OPTIONS

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Response bodies

ListSchemaVersionsOutput schema

```
{
  "NextToken": "string",
  "SchemaVersions": [
    {
      "Type": "string",
      "SchemaVersion": "string",
      "SchemaName": "string",
      "SchemaArn": "string"
    }
  ]
}
```

ErrorOutput schema

```
{
```

```
"Message": "string",  
"Code": "string"  
}
```

Properties

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

ListSchemaVersionsOutput

NextToken

The token that specifies the next page of results to return. To request the first page, leave NextToken empty. The token will expire in 24 hours, and cannot be shared with other accounts.

Type: string

Required: False

SchemaVersions

An array of schema version summaries.

Type: Array of type [SchemaVersionSummary](#)

Required: False

SchemaVersionSummary

Type

The type of schema to export.

Type: string

Required: False

SchemaVersion

The version number of the schema.

Type: string

Required: False

SchemaName

The name of the schema.

Type: string

Required: False

SchemaArn

The ARN of the schema version.

Type: string

Required: False

Policy

The resource-based policy.

URI

`/v1/policy`

HTTP methods

GET

Operation ID: GetResourcePolicy

Retrieves the resource-based policy attached to a given registry.

Query parameters

Name	Type	Required	Description
registryName	String	False	The name of the registry.

Responses

Status code	Response model	Description
200	GetResourcePolicyOutput	Get Resource-Based Policy Response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

PUT

Operation ID: PutResourcePolicy

The name of the policy.

Query parameters

Name	Type	Required	Description
registryName	String	False	The name of the registry.

Responses

Status code	Response model	Description
200	PutResourcePolicyOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
412	ErrorOutput	412 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

DELETE

Operation ID: DeleteResourcePolicy

Delete the resource-based policy attached to the specified registry.

Query parameters

Name	Type	Required	Description
registryName	String	False	The name of the registry.

Responses

Status code	Response model	Description
204	None	204 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Request bodies

PUT schema

```
{  
  "Policy": "string",  
  "RevisionId": "string"  
}
```

Response bodies

GetResourcePolicyOutput schema

```
{
  "Policy": "string",
  "RevisionId": "string"
}
```

PutResourcePolicyOutput schema

```
{
  "Policy": "string",
  "RevisionId": "string"
}
```

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
}
```

Properties

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

GetResourcePolicyOutput

Information about the policy.

Policy

The resource-based policy.

Type: string

Required: False

RevisionId

The revision ID.

Type: string

Required: False

PutResourcePolicyInput

Only update the policy if the revision ID matches the ID that's specified. Use this option to avoid modifying a policy that has changed since you last read it.

Policy

The resource-based policy.

Type: string

Required: True

RevisionId

The revision ID of the policy.

Type: string

Required: False

PutResourcePolicyOutput

The resource-based policy.

Policy

The resource-based policy.

Type: string

Required: False

RevisionId

The revision ID of the policy.

Type: string

Required: False

Registries

URI

/v1/registries

HTTP methods

GET

Operation ID: ListRegistries

List the registries.

Query parameters

Name	Type	Required	Description
scope	String	False	Can be set to Local or AWS to limit responses to your custom registries, or

Name	Type	Required	Description
			the ones provided by AWS.
limit	String	False	The maximum number of results to return per page.
nextToken	String	False	The token that specifies the next page of results to return. To request the first page, leave NextToken empty. The token will expire in 24 hours, and cannot be shared with other accounts.
registryNamePrefix	String	False	Specifying this limits the results to only those registry names that start with the specified prefix.

Responses

Status code	Response model	Description
200	ListRegistriesOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
500	ErrorOutput	500 response

Status code	Response model	Description
503	ErrorOutput	503 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Response bodies

ListRegistriesOutput schema

```
{
  "NextToken": "string",
  "Registries": [
    {
      "RegistryName": "string",
      "RegistryArn": "string",
      "tags": {
      }
    }
  ]
}
```

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
}
```

Properties

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

ListRegistriesOutput

List the registries.

NextToken

The token that specifies the next page of results to return. To request the first page, leave NextToken empty. The token will expire in 24 hours, and cannot be shared with other accounts.

Type: string

Required: False

Registries

An array of registry summaries.

Type: Array of type [RegistrySummary](#)

Required: False

RegistrySummary

RegistryName

The name of the registry.

Type: string

Required: False

RegistryArn

The ARN of the registry.

Type: string

Required: False

tags

Tags associated with the registry.

Type: [Tags](#)

Required: False

Tags

Key-value pairs associated with a resource.

key-value pairs

Type: string

Registry

URI

`/v1/registries/name/registryName`

HTTP methods

GET

Operation ID: DescribeRegistry

Describes the registry.

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.

Responses

Status code	Response model	Description
200	RegistryOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

POST

Operation ID: CreateRegistry

Creates a registry.

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.

Responses

Status code	Response model	Description
201	RegistryOutput	201 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
409	ErrorOutput	409 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

PUT

Operation ID: UpdateRegistry

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.

Responses

Status code	Response model	Description
200	RegistryOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

DELETE

Operation ID: DeleteRegistry

Deletes a Registry.

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.

Responses

Status code	Response model	Description
204	None	204 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response

Status code	Response model	Description
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

OPTIONS

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Request bodies

POST schema

```
{
  "Description": "string",
  "tags": {
  }
}
```

PUT schema

```
{
  "Description": "string"
}
```

Response bodies

RegistryOutput schema

```
{
  "Description": "string",
  "RegistryName": "string",
  "RegistryArn": "string",
  "tags": {
  }
}
```

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
}
```

Properties

CreateRegistryInput

Description

A description of the registry to be created.

Type: string

Required: False

MinLength: 0

MaxLength: 256

tags

Tags to associate with the registry.

Type: [Tags](#)

Required: False

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

RegistryOutput

Description

The description of the registry.

Type: string

Required: False

RegistryName

The name of the registry.

Type: string

Required: False

RegistryArn

The ARN of the registry.

Type: string

Required: False

tags

Tags associated with the registry.

Type: [Tags](#)

Required: False

Tags

Key-value pairs associated with a resource.

key-value pairs

Type: string

UpdateRegistryInput

Description

The description of the registry to update.

Type: string

Required: False

MinLength: 0

MaxLength: 256

Schema

URI

`/v1/registries/name/registryName/schemas/name/schemaName`

HTTP methods

GET

Operation ID: DescribeSchema

Retrieve the schema definition.

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.

Query parameters

Name	Type	Required	Description
schemaVersion	String	False	Specifying this limits the results to only this schema version.

Responses

Status code	Response model	Description
200	DescribeSchemaOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response

Status code	Response model	Description
500	ErrorOutput	500 response
503	ErrorOutput	503 response

POST

Operation ID: CreateSchema

Creates a schema definition.

Note

Inactive schemas will be deleted after two years.

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.

Responses

Status code	Response model	Description
201	SchemaOutput	201 response
400	ErrorOutput	400 response
403	ErrorOutput	403 response
500	ErrorOutput	500 response

Status code	Response model	Description
503	ErrorOutput	503 response

PUT

Operation ID: UpdateSchema

Updates the schema definition

Note

Inactive schemas will be deleted after two years.

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.

Responses

Status code	Response model	Description
200	SchemaOutput	200 response
304	None	304 response
400	ErrorOutput	400 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response

Status code	Response model	Description
500	ErrorOutput	500 response
503	ErrorOutput	503 response

DELETE

Operation ID: DeleteSchema

Delete a schema definition.

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.

Responses

Status code	Response model	Description
204	None	204 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

OPTIONS

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.
<i>schemaName</i>	String	True	The name of the schema.

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Request bodies

POST schema

```
{
  "Type": enum,
  "Description": "string",
  "Content": "string",
  "tags": {
  }
}
```

PUT schema

```
{
  "Type": enum,
  "Description": "string",
  "ClientTokenId": "string",
  "Content": "string"
}
```

```
}
```

Response bodies

DescribeSchemaOutput schema

```
{
  "LastModified": "string",
  "Type": "string",
  "Description": "string",
  "SchemaVersion": "string",
  "Content": "string",
  "VersionCreatedDate": "string",
  "SchemaArn": "string",
  "SchemaName": "string",
  "tags": {
  }
}
```

SchemaOutput schema

```
{
  "LastModified": "string",
  "Type": "string",
  "Description": "string",
  "SchemaVersion": "string",
  "VersionCreatedDate": "string",
  "SchemaArn": "string",
  "SchemaName": "string",
  "tags": {
  }
}
```

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
}
```

Properties

CreateSchemaInput

Type

The type of schema.

Valid types include `OpenApi3` and `JSONSchemaDraft4`.

Type: [Type](#)

Required: True

Description

A description of the schema.

Type: string

Required: False

MinLength: 0

MaxLength: 256

Content

The source of the schema definition.

Type: string

Required: True

MinLength: 1

MaxLength: 100000

tags

Tags associated with the schema.

Type: [Tags](#)

Required: False

DescribeSchemaOutput

LastModified

The date and time that schema was modified.

Type: string

Required: False

Format: date-time

Type

The type of the schema.

Valid types include OpenApi3 and JSONSchemaDraft4.

Type: string

Required: False

Description

The description of the schema.

Type: string

Required: False

SchemaVersion

The version number of the schema

Type: string

Required: False

Content

The source of the schema definition.

Type: string

Required: False

VersionCreatedDate

The date the schema version was created.

Type: string

Required: False

Format: date-time

SchemaArn

The ARN of the schema.

Type: string

Required: False

SchemaName

The name of the schema.

Type: string

Required: False

tags

Tags associated with the resource.

Type: [Tags](#)

Required: False

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

SchemaOutput

LastModified

The date and time that schema was modified.

Type: string

Required: False

Format: date-time

Type

The type of the schema.

Valid types include `OpenApi3` and `JSONSchemaDraft4`.

Type: string

Required: False

Description

The description of the schema.

Type: string

Required: False

SchemaVersion

The version number of the schema

Type: string

Required: False

VersionCreatedDate

The date the schema version was created.

Type: string

Required: False

Format: date-time

SchemaArn

The ARN of the schema.

Type: string

Required: False

SchemaName

The name of the schema.

Type: string

Required: False

tags

Type: [Tags](#)

Required: False

Tags

Key-value pairs associated with a resource.

key-value pairs

Type: string

Type

The type of schema to export.

OpenApi3
JSONSchemaDraft4

UpdateSchemaInput

Type

The schema type for the events schema.

Valid types include OpenApi3 and JSONSchemaDraft4.

Type: [Type](#)

Required: False

Description

The description of the schema.

Type: string

Required: False

MinLength: 0

MaxLength: 256

ClientTokenId

The ID of the client token.

Type: string

Required: False

MinLength: 0

MaxLength: 36

Content

The source of the schema definition.

Type: string

Required: False

MinLength: 1

MaxLength: 100000

Schemas

URI

/v1/registries/name/*registryName*/schemas

HTTP methods

GET

Operation ID: ListSchemas

List the schemas.

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.

Query parameters

Name	Type	Required	Description
schemaNamePrefix	String	False	Specifying this limits the results to only those schema names that start with the specified prefix.
limit	String	False	The maximum number of results to return per page.

Name	Type	Required	Description
nextToken	String	False	The token that specifies the next page of results to return. To request the first page, leave NextToken empty. The token will expire in 24 hours, and cannot be shared with other accounts.

Responses

Status code	Response model	Description
200	ListSchemasOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

OPTIONS

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Response bodies

ListSchemasOutput schema

```
{
  "NextToken": "string",
  "Schemas": [
    {
      "LastModified": "string",
      "VersionCount": integer,
      "SchemaName": "string",
      "SchemaArn": "string",
      "tags": {
      }
    }
  ]
}
```

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
}
```

Properties

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

ListSchemasOutput

NextToken

The token that specifies the next page of results to return. To request the first page, leave NextToken empty. The token will expire in 24 hours, and cannot be shared with other accounts.

Type: string

Required: False

Schemas

An array of schema summaries.

Type: Array of type [SchemaSummary](#)

Required: False

SchemaSummary

A summary of schema details.

LastModified

The date and time that schema was modified.

Type: string

Required: False

Format: date-time

VersionCount

The number of versions available for the schema.

Type: integer

Required: False

Format: int64

SchemaName

The name of the schema.

Type: string

Required: False

SchemaArn

The ARN of the schema.

Type: string

Required: False

tags

Tags associated with the schema.

Type: [Tags](#)

Required: False

Tags

Key-value pairs associated with a resource.

key-value pairs

Type: string

Search Schemas

URI

/v1/registries/name/*registryName*/schemas/search

HTTP methods

GET

Operation ID: SearchSchemas

Search the schemas

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.

Query parameters

Name	Type	Required	Description
keywords	String	True	Specifying this limits the results to only schemas that include the provided keywords.
limit	String	False	The maximum number of results to return per page.
nextToken	String	False	The token that specifies the next page of results to return. To request the first page, leave

Name	Type	Required	Description
			NextToken empty. The token will expire in 24 hours, and cannot be shared with other accounts.

Responses

Status code	Response model	Description
200	SearchSchemasOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

OPTIONS

Path parameters

Name	Type	Required	Description
<i>registryName</i>	String	True	The name of the schema registry.

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Response bodies

SearchSchemasOutput schema

```
{
  "NextToken": "string",
  "Schemas": [
    {
      "Type": "string",
      "RegistryName": "string",
      "SchemaVersions": [
        {
          "SchemaVersion": "string",
          "CreateDate": "string"
        }
      ],
      "SchemaName": "string",
      "SchemaArn": "string"
    }
  ]
}
```

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
}
```

Properties

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

SearchSchemaSummary

Type

The type of schema to export.

Valid types include `OpenApi3` and `JSONSchemaDraft4`.

Type: string

Required: False

RegistryName

The name of the registry.

Type: string

Required: False

SchemaVersions

An array of schema version summaries.

Type: Array of type [SearchSchemaVersionSummary](#)

Required: False

SchemaName

The name of the schema.

Type: string

Required: False

SchemaArn

The ARN of the schema.

Type: string

Required: False

SearchSchemaVersionSummary

SchemaVersion

The version number of the schema

Type: string

Required: False

CreatedDate

The date the schema version was created.

Type: string

Required: False

Format: date-time

SearchSchemasOutput

NextToken

The token that specifies the next page of results to return. To request the first page, leave NextToken empty. The token will expire in 24 hours, and cannot be shared with other accounts.

Type: string

Required: False

Schemas

An array of SearchSchemaSummary information.

Type: Array of type [SearchSchemaSummary](#)

Required: False

Start Discoverer

URI

/v1/discoverers/id/*discovererId*/start

HTTP methods

POST

Operation ID: StartDiscoverer

Starts the discoverer

Path parameters

Name	Type	Required	Description
<i>discovererId</i>	String	True	The ID of the discoverer.

Responses

Status code	Response model	Description
200	DiscovererStateOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

OPTIONS

Path parameters

Name	Type	Required	Description
<i>discovererId</i>	String	True	The ID of the discoverer.

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Response bodies

DiscovererStateOutput schema

```
{
  "DiscovererId": "string",
  "State": enum
}
```

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
}
```

Properties

DiscovererState

STARTED

STOPPED

DiscovererStateOutput

DiscovererId

The ID of the discoverer.

Type: string

Required: False

State

The state of the discoverer.

Type: [DiscovererState](#)

Required: False

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

Stop Discoverer

URI

`/v1/discoverers/id/discovererId/stop`

HTTP methods

POST

Operation ID: StopDiscoverer

Stops the discoverer

Path parameters

Name	Type	Required	Description
<i>discovererId</i>	String	True	The ID of the discoverer.

Responses

Status code	Response model	Description
200	DiscovererStateOutput	200 response
400	ErrorOutput	400 response
401	ErrorOutput	401 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response
503	ErrorOutput	503 response

OPTIONS

Path parameters

Name	Type	Required	Description
<i>discovererId</i>	String	True	The ID of the discoverer.

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Response bodies

DiscovererStateOutput schema

```
{
  "DiscovererId": "string",
  "State": enum
}
```

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
}
```

Properties

DiscovererState

STARTED

STOPPED

DiscovererStateOutput

DiscovererId

The ID of the discoverer.

Type: string

Required: False

State

The state of the discoverer.

Type: [DiscovererState](#)

Required: False

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

Tag

A tag is a key-value pair associated with a resource. You can use these metadata tags to identify the purpose of a broker or configuration.

URI

/tags/*resource-arn*

HTTP methods

GET

Operation ID: ListTagsForResource

Get tags for resource.

Path parameters

Name	Type	Required	Description
<i>resource-arn</i>	String	True	The ARN of the resource.

Responses

Status code	Response model	Description
200	ListTagsForResourceOutput	200 response
400	ErrorOutput	400 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response

POST

Operation ID: TagResource

Add tags to a resource.

Path parameters

Name	Type	Required	Description
<i>resource-arn</i>	String	True	The ARN of the resource.

Responses

Status code	Response model	Description
204	None	204 response
400	ErrorOutput	400 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response

DELETE

Operation ID: UntagResource

Removes tags from a resource.

Path parameters

Name	Type	Required	Description
<i>resource-arn</i>	String	True	The ARN of the resource.

Query parameters

Name	Type	Required	Description
tagKeys	String	True	Keys of key-value pairs.

Responses

Status code	Response model	Description
204	None	204 response
400	ErrorOutput	400 response
403	ErrorOutput	403 response
404	ErrorOutput	404 response
500	ErrorOutput	500 response

OPTIONS

Responses

Status code	Response model	Description
200	None	200 response

Schemas

Request bodies

POST schema

```
{
  "tags": {
  }
}
```

Response bodies

ListTagsForResourceOutput schema

```
{
  "tags": {
  }
}
```

ErrorOutput schema

```
{
  "Message": "string",
  "Code": "string"
}
```

Properties

ErrorOutput

Message

The message string of the error output.

Type: string

Required: True

Code

The error code.

Type: string

Required: True

ListTagsForResourceOutput

tags

Type: [Tags](#)

Required: False

TagResourceInput

tags

Tags associated with the resource.

Type: [Tags](#)

Required: True

Tags

Key-value pairs associated with a resource.

key-value pairs

Type: string

Document History for Amazon EventBridge Schemas

The following table describes the documentation for this release of Amazon EventBridge Schemas.

- **API version:** latest
- **Latest documentation update:** December 1, 2019

Change	API Version	Description	Release Date
Initial release	2019-12-01	The initial release of Amazon EventBridge Schemas.	December 1, 2019

AWS Glossary

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