



Observability Admin API Reference

Amazon CloudWatch



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Amazon CloudWatch: Observability Admin API Reference

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Welcome

You can use Amazon CloudWatch Observability Admin to discover and understand the state of telemetry configuration in CloudWatch for your AWS Organization or account. This simplifies the process of auditing your telemetry collection configurations across multiple resource types within your AWS Organization or account. By providing a consolidated view, it allows you to easily review and manage telemetry settings, helping you ensure proper monitoring and data collection across your AWS environment. For more information, see [Auditing CloudWatch telemetry configurations](#) in the CloudWatch User Guide.

For information on the permissions you need to use this API, see [Identity and access management for Amazon CloudWatch](#) in the CloudWatch User Guide.

This document was last published on September 18, 2026.

Actions

The following actions are supported:

- [CreateCentralizationRuleForOrganization](#)
- [CreateS3TableIntegration](#)
- [CreateTelemetryPipeline](#)
- [CreateTelemetryRule](#)
- [CreateTelemetryRuleForOrganization](#)
- [DeleteCentralizationRuleForOrganization](#)
- [DeleteS3TableIntegration](#)
- [DeleteTelemetryPipeline](#)
- [DeleteTelemetryRule](#)
- [DeleteTelemetryRuleForOrganization](#)
- [GetCentralizationRuleForOrganization](#)
- [GetS3TableIntegration](#)
- [GetTelemetryEnrichmentStatus](#)
- [GetTelemetryEvaluationStatus](#)
- [GetTelemetryEvaluationStatusForOrganization](#)
- [GetTelemetryPipeline](#)
- [GetTelemetryRule](#)
- [GetTelemetryRuleForOrganization](#)
- [ListCentralizationRulesForOrganization](#)
- [ListResourceTelemetry](#)
- [ListResourceTelemetryForOrganization](#)
- [ListS3TableIntegrations](#)
- [ListTagsForResource](#)
- [ListTelemetryPipelines](#)
- [ListTelemetryRules](#)
- [ListTelemetryRulesForOrganization](#)
- [StartTelemetryEnrichment](#)

- [StartTelemetryEvaluation](#)
- [StartTelemetryEvaluationForOrganization](#)
- [StopTelemetryEnrichment](#)
- [StopTelemetryEvaluation](#)
- [StopTelemetryEvaluationForOrganization](#)
- [TagResource](#)
- [TestTelemetryPipeline](#)
- [UntagResource](#)
- [UpdateCentralizationRuleForOrganization](#)
- [UpdateTelemetryPipeline](#)
- [UpdateTelemetryRule](#)
- [UpdateTelemetryRuleForOrganization](#)
- [ValidateTelemetryPipelineConfiguration](#)

CreateCentralizationRuleForOrganization

Creates a centralization rule that applies across an AWS Organization. This operation can only be called by the organization's management account or a delegated administrator account.

Request Syntax

POST /CreateCentralizationRuleForOrganization HTTP/1.1

Content-type: application/json

```
{
  "Rule": {
    "Destination": {
      "Account": "string",
      "DestinationLogsConfiguration": {
        "BackupConfiguration": {
          "KmsKeyArn": "string",
          "Region": "string"
        },
        "LogGroupNameConfiguration": {
          "LogGroupNamePattern": "string"
        },
        "LogsEncryptionConfiguration": {
          "EncryptionConflictResolutionStrategy": "string",
          "EncryptionScope": "string",
          "EncryptionStrategy": "string",
          "KmsKeyArn": "string"
        },
        "TagPropagationConfiguration": {
          "DestinationRoleArn": "string",
          "TagConflictResolutionStrategy": "string"
        }
      },
      "DestinationMetricsConfiguration": {
        "BackupConfiguration": {
          "Region": "string"
        }
      },
      "Region": "string"
    },
    "Source": {
      "Regions": [ "string" ],
      "Scope": "string",
    }
  }
}
```

```
  "SourceLogsConfiguration": {
    "DataSourceSelectionCriteria": "string",
    "EncryptedLogGroupStrategy": "string",
    "LogGroupSelectionCriteria": "string"
  },
  "SourceMetricsConfiguration": {
    "MetricsSelectionCriteria": "string"
  }
},
"RuleName": "string",
"Tags": {
  "string" : "string"
}
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Rule

The configuration details for the organization-wide centralization rule, including the source configuration and the destination configuration to centralize telemetry data across the organization.

Type: [CentralizationRule](#) object

Required: Yes

RuleName

A unique name for the organization-wide centralization rule being created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[0-9A-Za-z-_.#/+]`

Required: Yes

Tags

The key-value pairs to associate with the organization telemetry rule resource for categorization and management purposes.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: (`[\p{L}\p{Z}\p{N}_.: /+=\ -@]*`)

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

Value Pattern: (`[\p{L}\p{Z}\p{N}_.: /+=\ -@]*`)

Required: No

Response Syntax

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

{
  "RuleArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[RuleArn](#)

The Amazon Resource Name (ARN) of the created organization centralization rule.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\+])?:([a-zA-Z0-9\-\+]):([a-z0-9\-\+])?:([0-9]{12})?:([.+\+])`

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

ConflictException

The requested operation conflicts with the current state of the specified resource or with another request.

ResourceId

The identifier of the resource which is in conflict with the requested operation.

ResourceType

The type of the resource which is in conflict with the requested operation.

HTTP Status Code: 409

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ServiceQuotaExceededException

The requested operation would exceed the allowed quota for the specified resource type.

amznErrorType

The name of the exception.

QuotaCode

The code for the exceeded service quota.

ResourceId

The identifier of the resource which exceeds the service quota.

ResourceType

The type of the resource which exceeds the service quota.

ServiceCode

The code for the service of the exceeded quota.

HTTP Status Code: 402

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

CreateS3TableIntegration

Creates an integration between CloudWatch and S3 Tables for analytics. This integration enables querying CloudWatch telemetry data using analytics engines like Amazon Athena, Amazon Redshift, and Apache Spark.

Request Syntax

```
POST /CreateS3TableIntegration HTTP/1.1
Content-type: application/json
```

```
{
  "Encryption": {
    "KmsKeyArn": "string",
    "SseAlgorithm": "string"
  },
  "RoleArn": "string",
  "Tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Encryption

The encryption configuration for the S3 Table integration, including the encryption algorithm and KMS key settings.

Type: [Encryption](#) object

Required: Yes

RoleArn

The Amazon Resource Name (ARN) of the IAM role that grants permissions for the S3 Table integration to access necessary resources.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\+])?:([a-zA-Z0-9\-\+]):([a-z0-9\-\+])?:([0-9]{12})?:([.\+])`

Required: Yes

Tags

The key-value pairs to associate with the S3 Table integration resource for categorization and management purposes.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `([\p{L}\p{Z}\p{N}_.: /+=\-\@]*)`

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

Value Pattern: `([\p{L}\p{Z}\p{N}_.: /+=\-\@]*)`

Required: No

Response Syntax

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

{
  "Arn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the created S3 Table integration.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\+])?:([a-zA-Z0-9\-\+]):([a-z0-9\-\+])?:([0-9]{12})?:([.\+])`

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

ConflictException

The requested operation conflicts with the current state of the specified resource or with another request.

ResourceId

The identifier of the resource which is in conflict with the requested operation.

ResourceType

The type of the resource which is in conflict with the requested operation.

HTTP Status Code: 409

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ServiceQuotaExceededException

The requested operation would exceed the allowed quota for the specified resource type.

amznErrorType

The name of the exception.

QuotaCode

The code for the exceeded service quota.

ResourceId

The identifier of the resource which exceeds the service quota.

ResourceType

The type of the resource which exceeds the service quota.

ServiceCode

The code for the service of the exceeded quota.

HTTP Status Code: 402

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

CreateTelemetryPipeline

Creates a telemetry pipeline for processing and transforming telemetry data. The pipeline defines how data flows from sources through processors to destinations, enabling data transformation and delivering capabilities.

Request Syntax

```
POST /CreateTelemetryPipeline HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "Configuration": {
    "Body": "string"
  },
  "Name": "string",
  "Tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Configuration

The configuration that defines how the telemetry pipeline processes data, including sources, processors, and destinations. For more information about pipeline components, see the [Amazon CloudWatch User Guide](#)

Type: [TelemetryPipelineConfiguration](#) object

Required: Yes

Name

The name of the telemetry pipeline to create. The name must be unique within your account.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 28.

Pattern: `.*[a-z][a-z0-9\-\_]+.*`

Required: Yes

Tags

The key-value pairs to associate with the telemetry pipeline resource for categorization and management purposes.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `([\p{L}\p{Z}\p{N}_.:/+\\-@]*)`

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

Value Pattern: `([\p{L}\p{Z}\p{N}_.:/+\\-@]*)`

Required: No

Response Syntax

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

{
  "Arn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the created telemetry pipeline.

Type: String

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

Pattern: `arn:aws([a-z0-9\-.]+)?:([a-zA-Z0-9\-.]+):([a-z0-9\-.]+)?:([0-9]{12})?:(.+)`

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

ConflictException

The requested operation conflicts with the current state of the specified resource or with another request.

ResourceId

The identifier of the resource which is in conflict with the requested operation.

ResourceType

The type of the resource which is in conflict with the requested operation.

HTTP Status Code: 409

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ServiceQuotaExceededException

The requested operation would exceed the allowed quota for the specified resource type.

amznErrorType

The name of the exception.

QuotaCode

The code for the exceeded service quota.

ResourceId

The identifier of the resource which exceeds the service quota.

ResourceType

The type of the resource which exceeds the service quota.

ServiceCode

The code for the service of the exceeded quota.

HTTP Status Code: 402

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

Examples

Using CloudWatch as a pipeline source

The following is an example of a Body property value for the Configuration object.

```
pipeline:
  source:
    cloudwatch_logs:
      log_event_metadata:
        data_source_name: "my_data_source"
        data_source_type: "default"
      aws:
        sts_role_arn: "arn:aws:iam::123456789012:role/MyPipelineAccessRole"
  processor:
    - parse_json: {}
  sink:
    - cloudwatch_logs:
        log_group: "@original"
```

Using Amazon S3 as a pipeline source

The following is an example of a Body property value for the Configuration object.

```
pipeline:
  source:
    s3:
      sqs:
        visibility_timeout: "PT60S"
        visibility_duplication_protection: true
        maximum_messages: 10
        queue_url: "https://sqs.us-east-1.amazonaws.com/123456789012/my-sqs-queue"
      notification_type: "sqs"
      codec:
        ndjson: {}
      aws:
```

```
    region: "us-east-1"
    sts_role_arn: "arn:aws:iam::123456789012:role/MyAccessRole"
    data_source_name: "crowdstrike_falcon"
  processor:
    - ocsf:
        version: "1.5"
        mapping_version: "1.5.0"
        schema:
          crowdstrike_falcon:
sink:
  - cloudwatch_logs:
      log_group: "my-log-group"
```

Using CloudWatch Metrics as a pipeline source

The following is an example of a Body property value for the Configuration object.

```
pipeline:
  source:
    cloudwatch_metrics:
      format: otlp
      selection_criteria:
        - match_all:
            - 'resource.attributes["service.name"] == "my-service"'
            - 'metric.name == "http.server.request.duration"'
  processor:
    - add_attributes:
        attributes:
          - key: 'resource.attributes["team"]'
            value: "platform-engineering"
    - delete_attributes:
        with_keys:
          - 'resource.attributes["host.id"]'
  sink:
    - cloudwatch_metrics:
```

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](#)

CreateTelemetryRule

Creates a telemetry rule that defines how telemetry should be configured for AWS resources in your account. The rule specifies which resources should have telemetry enabled and how that telemetry data should be collected based on resource type, telemetry type, and selection criteria.

Request Syntax

```
POST /CreateTelemetryRule HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "Rule": {
    "AllowFieldUpdates": boolean,
    "AllRegions": boolean,
    "DestinationConfiguration": {
      "CloudtrailParameters": {
        "AdvancedEventSelectors": [
          {
            "FieldSelectors": [
              {
                "EndsWith": [ "string" ],
                "Equals": [ "string" ],
                "Field": "string",
                "NotEndsWith": [ "string" ],
                "NotEquals": [ "string" ],
                "NotStartsWith": [ "string" ],
                "StartsWith": [ "string" ]
              }
            ],
            "Name": "string"
          }
        ],
        "DestinationPattern": "string",
        "DestinationType": "string",
        "ELBLoadBalancerLoggingParameters": {
          "FieldDelimiter": "string",
          "OutputFormat": "string"
        },
        "KmsKeyArn": "string",
        "LogDeliveryParameters": {
```

```

    "LogTypes": [ "string" ]
  },
  "MskMonitoringParameters": {
    "EnhancedMonitoring": "string"
  },
  "RetentionInDays": number,
  "VPCFlowLogParameters": {
    "LogFormat": "string",
    "MaxAggregationInterval": number,
    "TrafficType": "string"
  },
  "WAFLoggingParameters": {
    "LoggingFilter": {
      "DefaultBehavior": "string",
      "Filters": [
        {
          "Behavior": "string",
          "Conditions": [
            {
              "ActionCondition": {
                "Action": "string"
              },
              "LabelNameCondition": {
                "LabelName": "string"
              }
            }
          ],
          "Requirement": "string"
        }
      ]
    },
    "LogType": "string",
    "RedactedFields": [
      {
        "Method": "string",
        "QueryString": "string",
        "SingleHeader": {
          "Name": "string"
        },
        "UriPath": "string"
      }
    ]
  }
},

```

```
  "Regions": [ "string" ],
  "ResourceType": "string",
  "Scope": "string",
  "SelectionCriteria": "string",
  "TelemetrySourceTypes": [ "string" ],
  "TelemetryType": "string"
},
"RuleName": "string",
"Tags": {
  "string" : "string"
}
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Rule

The configuration details for the telemetry rule, including the resource type, telemetry type, destination configuration, and selection criteria for which resources the rule applies to.

Type: [TelemetryRule](#) object

Required: Yes

RuleName

A unique name for the telemetry rule being created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[0-9A-Za-z-_.#/+]`

Required: Yes

Tags

The key-value pairs to associate with the telemetry rule resource for categorization and management purposes.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: ([\p{L}\p{Z}\p{N}_ . : / = + \ - @] *)

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

Value Pattern: ([\p{L}\p{Z}\p{N}_ . : / = + \ - @] *)

Required: No

Response Syntax

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

{
  "RuleArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[RuleArn](#)

The Amazon Resource Name (ARN) of the created telemetry rule.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\-]+)?:([a-zA-Z0-9\-\-]+):([a-z0-9\-\-]+)?:([0-9]{12})?:(.+)`

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

ConflictException

The requested operation conflicts with the current state of the specified resource or with another request.

ResourceId

The identifier of the resource which is in conflict with the requested operation.

ResourceType

The type of the resource which is in conflict with the requested operation.

HTTP Status Code: 409

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ServiceQuotaExceededException

The requested operation would exceed the allowed quota for the specified resource type.

amznErrorType

The name of the exception.

QuotaCode

The code for the exceeded service quota.

ResourceId

The identifier of the resource which exceeds the service quota.

ResourceType

The type of the resource which exceeds the service quota.

ServiceCode

The code for the service of the exceeded quota.

HTTP Status Code: 402

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

CreateTelemetryRuleForOrganization

Creates a telemetry rule that applies across an AWS Organization. This operation can only be called by the organization's management account or a delegated administrator account.

Request Syntax

POST /CreateTelemetryRuleForOrganization HTTP/1.1

Content-type: application/json

```
{
  "Rule": {
    "AllowFieldUpdates": boolean,
    "AllRegions": boolean,
    "DestinationConfiguration": {
      "CloudtrailParameters": {
        "AdvancedEventSelectors": [
          {
            "FieldSelectors": [
              {
                "EndsWith": [ "string" ],
                "Equals": [ "string" ],
                "Field": "string",
                "NotEndsWith": [ "string" ],
                "NotEquals": [ "string" ],
                "NotStartsWith": [ "string" ],
                "StartsWith": [ "string" ]
              }
            ],
            "Name": "string"
          }
        ],
        "DestinationPattern": "string",
        "DestinationType": "string",
        "ELBLoadBalancerLoggingParameters": {
          "FieldDelimiter": "string",
          "OutputFormat": "string"
        },
        "KmsKeyArn": "string",
        "LogDeliveryParameters": {
          "LogTypes": [ "string" ]
        }
      }
    }
  }
}
```

```

    "MskMonitoringParameters": {
      "EnhancedMonitoring": "string"
    },
    "RetentionInDays": number,
    "VPCFlowLogParameters": {
      "LogFormat": "string",
      "MaxAggregationInterval": number,
      "TrafficType": "string"
    },
    "WAFLoggingParameters": {
      "LoggingFilter": {
        "DefaultBehavior": "string",
        "Filters": [
          {
            "Behavior": "string",
            "Conditions": [
              {
                "ActionCondition": {
                  "Action": "string"
                },
                "LabelNameCondition": {
                  "LabelName": "string"
                }
              }
            ],
            "Requirement": "string"
          }
        ],
        "LogType": "string",
        "RedactedFields": [
          {
            "Method": "string",
            "QueryString": "string",
            "SingleHeader": {
              "Name": "string"
            },
            "UriPath": "string"
          }
        ]
      },
      "Regions": [ "string" ],
      "ResourceType": "string",

```

```
  "Scope": "string",
  "SelectionCriteria": "string",
  "TelemetrySourceTypes": [ "string" ],
  "TelemetryType": "string"
},
"RuleName": "string",
"Tags": {
  "string" : "string"
}
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Rule

The configuration details for the organization-wide telemetry rule, including the resource type, telemetry type, destination configuration, and selection criteria for which resources the rule applies to across the organization.

Type: [TelemetryRule](#) object

Required: Yes

RuleName

A unique name for the organization-wide telemetry rule being created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[0-9A-Za-z-_.#/+]`

Required: Yes

Tags

The key-value pairs to associate with the organization telemetry rule resource for categorization and management purposes.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: ([\p{L}\p{Z}\p{N}_ . : / = + \ - @] *)

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

Value Pattern: ([\p{L}\p{Z}\p{N}_ . : / = + \ - @] *)

Required: No

Response Syntax

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

{
  "RuleArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[RuleArn](#)

The Amazon Resource Name (ARN) of the created organization telemetry rule.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\-]+)?:([a-zA-Z0-9\-\-]+):([a-z0-9\-\-]+)?:([0-9]{12})?:(.+)`

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

ConflictException

The requested operation conflicts with the current state of the specified resource or with another request.

ResourceId

The identifier of the resource which is in conflict with the requested operation.

ResourceType

The type of the resource which is in conflict with the requested operation.

HTTP Status Code: 409

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ServiceQuotaExceededException

The requested operation would exceed the allowed quota for the specified resource type.

amznErrorType

The name of the exception.

QuotaCode

The code for the exceeded service quota.

ResourceId

The identifier of the resource which exceeds the service quota.

ResourceType

The type of the resource which exceeds the service quota.

ServiceCode

The code for the service of the exceeded quota.

HTTP Status Code: 402

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)

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

DeleteCentralizationRuleForOrganization

Deletes an organization-wide centralization rule. This operation can only be called by the organization's management account or a delegated administrator account.

Request Syntax

```
POST /DeleteCentralizationRuleForOrganization HTTP/1.1
Content-type: application/json

{
  "RuleIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

RuleIdentifier

The identifier (name or ARN) of the organization centralization rule to delete.

Type: String

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

DeleteS3TableIntegration

Deletes an S3 Table integration and its associated data. This operation removes the connection between CloudWatch Observability Admin and S3 Tables.

Request Syntax

```
POST /DeleteS3TableIntegration HTTP/1.1
Content-type: application/json
```

```
{
  "Arn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Arn

The Amazon Resource Name (ARN) of the S3 Table integration to delete.

Type: String

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

Pattern: `arn:aws([a-z0-9\-]+)?:([a-zA-Z0-9\-]+):([a-z0-9\-]+)?:([0-9]{12})?:(.+)`

Required: Yes

Response Syntax

HTTP/1.1 204

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

InvalidStateException

The requested operation cannot be completed on the specified resource in the current state.

HTTP Status Code: 400

ServiceQuotaExceededException

The requested operation would exceed the allowed quota for the specified resource type.

amznErrorType

The name of the exception.

QuotaCode

The code for the exceeded service quota.

ResourceId

The identifier of the resource which exceeds the service quota.

ResourceType

The type of the resource which exceeds the service quota.

ServiceCode

The code for the service of the exceeded quota.

HTTP Status Code: 402

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)

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

DeleteTelemetryPipeline

Deletes a telemetry pipeline and its associated resources. This operation stops data processing and removes the pipeline configuration.

Request Syntax

```
POST /DeleteTelemetryPipeline HTTP/1.1
Content-type: application/json

{
  "PipelineIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

PipelineIdentifier

The ARN of the telemetry pipeline to delete.

Type: String

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

ConflictException

The requested operation conflicts with the current state of the specified resource or with another request.

ResourceId

The identifier of the resource which is in conflict with the requested operation.

ResourceType

The type of the resource which is in conflict with the requested operation.

HTTP Status Code: 409

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python \(Boto3\)](#)
- [AWS SDK for Ruby V3](#)

DeleteTelemetryRule

Deletes a telemetry rule from your account. Any telemetry configurations previously created by the rule will remain but no new resources will be configured by this rule.

Request Syntax

```
POST /DeleteTelemetryRule HTTP/1.1
Content-type: application/json

{
  "RuleIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

RuleIdentifier

The identifier (name or ARN) of the telemetry rule to delete.

Type: String

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

DeleteTelemetryRuleForOrganization

Deletes an organization-wide telemetry rule. This operation can only be called by the organization's management account or a delegated administrator account.

Request Syntax

```
POST /DeleteTelemetryRuleForOrganization HTTP/1.1
Content-type: application/json

{
  "RuleIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

RuleIdentifier

The identifier (name or ARN) of the organization telemetry rule to delete.

Type: String

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

GetCentralizationRuleForOrganization

Retrieves the details of a specific organization centralization rule. This operation can only be called by the organization's management account or a delegated administrator account.

Request Syntax

```
POST /GetCentralizationRuleForOrganization HTTP/1.1
Content-type: application/json

{
  "RuleIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[RuleIdentifier](#)

The identifier (name or ARN) of the organization centralization rule to retrieve.

Type: String

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

Required: Yes

Response Syntax

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

{
  "CentralizationRule": {
    "Destination": {
      "Account": "string",
```

```
"DestinationLogsConfiguration": {
  "BackupConfiguration": {
    "KmsKeyArn": "string",
    "Region": "string"
  },
  "LogGroupNameConfiguration": {
    "LogGroupNamePattern": "string"
  },
  "LogsEncryptionConfiguration": {
    "EncryptionConflictResolutionStrategy": "string",
    "EncryptionScope": "string",
    "EncryptionStrategy": "string",
    "KmsKeyArn": "string"
  },
  "TagPropagationConfiguration": {
    "DestinationRoleArn": "string",
    "TagConflictResolutionStrategy": "string"
  }
},
"DestinationMetricsConfiguration": {
  "BackupConfiguration": {
    "Region": "string"
  }
},
"Region": "string"
},
"Source": {
  "Regions": [ "string " ],
  "Scope": "string",
  "SourceLogsConfiguration": {
    "DataSourceSelectionCriteria": "string",
    "EncryptedLogGroupStrategy": "string",
    "LogGroupSelectionCriteria": "string"
  },
  "SourceMetricsConfiguration": {
    "MetricsSelectionCriteria": "string"
  }
}
},
"CreatedRegion": "string",
"CreatedTimeStamp": number,
"CreatorAccountId": "string",
"FailureReason": "string",
"LastUpdateTimeStamp": number,
```

```
"RuleArn": "string",  
"RuleHealth": "string",  
"RuleName": "string",  
"TagPropagationFailureReason": "string",  
"TagPropagationStatus": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CentralizationRule

The configuration details for the organization centralization rule.

Type: [CentralizationRule](#) object

CreatedRegion

The AWS region where the organization centralization rule was created.

Type: String

Length Constraints: Minimum length of 1.

CreatedTimeStamp

The timestamp when the organization centralization rule was created.

Type: Long

CreatorAccountId

The AWS Account that created the organization centralization rule.

Type: String

FailureReason

The reason why an organization centralization rule is marked UNHEALTHY.

Type: String

Valid Values: TRUSTED_ACCESS_NOT_ENABLED |
DESTINATION_ACCOUNT_NOT_IN_ORGANIZATION | INTERNAL_SERVER_ERROR

LastUpdateTimeStamp

The timestamp when the organization centralization rule was last updated.

Type: Long

RuleArn

The Amazon Resource Name (ARN) of the organization centralization rule.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\+]?:([a-zA-Z0-9\-\+]?:([a-z0-9\-\+]?:([0-9]{12})?:(.+)`

RuleHealth

The health status of the organization centralization rule.

Type: String

Valid Values: Healthy | Unhealthy | Provisioning

RuleName

The name of the organization centralization rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[0-9A-Za-z-_.#/+]`

TagPropagationFailureReason

The reason tag propagation is unhealthy for this rule. Only present when TagPropagationStatus is Unhealthy.

Type: String

Valid Values: RoleNotAssumable | RoleLacksPermissions

TagPropagationStatus

The health status of tag propagation for this rule. This status is independent of the overall RuleHealth for log delivery. Returns Healthy when the most recent tag-propagation attempt succeeded, or Unhealthy when the most recent attempt failed.

Type: String

Valid Values: Healthy | Unhealthy

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

GetS3TableIntegration

Retrieves information about a specific S3 Table integration, including its configuration, status, and metadata.

Request Syntax

```
POST /GetS3TableIntegration HTTP/1.1
Content-type: application/json

{
  "Arn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Arn

The Amazon Resource Name (ARN) of the S3 Table integration to retrieve.

Type: String

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

Pattern: `arn:aws([a-z0-9\-.]+)?:([a-zA-Z0-9\-.]+):([a-z0-9\-.]+)?:([0-9]{12})?:(.+)`

Required: Yes

Response Syntax

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

```
{
  "Arn": "string",
  "CreatedTimeStamp": number,
  "DestinationTableBucketArn": "string",
  "Encryption": {
    "KmsKeyArn": "string",
    "SseAlgorithm": "string"
  },
  "RoleArn": "string",
  "Status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[Arn](#)

The Amazon Resource Name (ARN) of the S3 Table integration.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\+]?:([a-zA-Z0-9\-\+]?:([a-z0-9\-\+]?:([0-9]{12})?:(.+)`

[CreatedTimeStamp](#)

The timestamp when the S3 Table integration was created.

Type: Long

[DestinationTableBucketArn](#)

The Amazon Resource Name (ARN) of the S3 bucket used as the destination for the table data.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\+]?:([a-zA-Z0-9\-\+]?:([a-z0-9\-\+]?:([0-9]{12})?:(.+)`

Encryption

The encryption configuration for the S3 Table integration.

Type: [Encryption](#) object

RoleArn

The Amazon Resource Name (ARN) of the IAM role used by the S3 Table integration.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\+])?:([a-zA-Z0-9\-\+]):([a-z0-9\-\+])?:([0-9]{12})?:([.\+])`

Status

The current status of the S3 Table integration.

Type: String

Valid Values: ACTIVE | DELETING

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)

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

GetTelemetryEnrichmentStatus

Returns the current status of the resource tags for telemetry feature, which enhances telemetry data with additional resource metadata from AWS Resource Explorer.

Request Syntax

```
POST /GetTelemetryEnrichmentStatus HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "AwsResourceExplorerManagedViewArn": "string",
  "Status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[AwsResourceExplorerManagedViewArn](#)

The Amazon Resource Name (ARN) of the AWS Resource Explorer managed view used for resource tags for telemetry, if the feature is enabled.

Type: String

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

Pattern: `arn:aws([a-z0-9\-.]+)?:resource-explorer-2:([a-z0-9\-.]+)?:([0-9]{12})?:managed-view/(.+)`

Status

The current status of the resource tags for telemetry feature (Running, Stopped, or Impaired).

Type: String

Valid Values: Running | Stopped | Impaired

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

TooManyRequestsException

The request throughput limit was exceeded.

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](#)

GetTelemetryEvaluationStatus

Returns the current onboarding status of the telemetry config feature, including the status of the feature and reason the feature failed to start or stop.

Request Syntax

```
POST /GetTelemetryEvaluationStatus HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "FailureReason": "string",
  "HomeRegion": "string",
  "RegionStatuses": [
    {
      "FailureReason": "string",
      "Region": "string",
      "RuleArn": "string",
      "Status": "string"
    }
  ],
  "Status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

FailureReason

Describes the reason for the failure status. The field will only be populated if `Status` is `FAILED_START` or `FAILED_STOP`.

Type: String

HomeRegion

The AWS Region that is designated as the home region for multi-region telemetry evaluation. The home region is the single management point for all multi-region operations on this account. This field is only present when multi-region telemetry evaluation is active.

Type: String

Length Constraints: Minimum length of 1.

RegionStatuses

A list of per-region telemetry evaluation statuses. Each entry indicates the evaluation status for a specific spoke region included in the multi-region configuration. This field is only present when multi-region telemetry evaluation is active.

Type: Array of [RegionStatus](#) objects

Status

The onboarding status of the telemetry config feature.

Type: String

Valid Values: `NOT_STARTED` | `STARTING` | `FAILED_START` | `RUNNING` | `STOPPING` | `FAILED_STOP` | `STOPPED`

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the

required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

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](#)

GetTelemetryEvaluationStatusForOrganization

This returns the onboarding status of the telemetry configuration feature for the organization. It can only be called by a Management Account of an AWS Organization or an assigned Delegated Admin Account of Amazon CloudWatch telemetry config.

Request Syntax

```
POST /GetTelemetryEvaluationStatusForOrganization HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "FailureReason": "string",
  "HomeRegion": "string",
  "RegionStatuses": [
    {
      "FailureReason": "string",
      "Region": "string",
      "RuleArn": "string",
      "Status": "string"
    }
  ],
  "Status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

FailureReason

This field describes the reason for the failure status. The field will only be populated if Status is FAILED_START or FAILED_STOP.

Type: String

HomeRegion

The AWS Region that is designated as the home region for multi-region telemetry evaluation for the organization. The home region is the single management point for all multi-region operations on this organization. This field is only present when multi-region telemetry evaluation is active.

Type: String

Length Constraints: Minimum length of 1.

RegionStatuses

A list of per-region telemetry evaluation statuses for the organization. Each entry indicates the evaluation status for a specific spoke region included in the multi-region configuration. This field is only present when multi-region telemetry evaluation is active.

Type: Array of [RegionStatus](#) objects

Status

The onboarding status of the telemetry config feature for the organization.

Type: String

Valid Values: NOT_STARTED | STARTING | FAILED_START | RUNNING | STOPPING | FAILED_STOP | STOPPED

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

GetTelemetryPipeline

Retrieves information about a specific telemetry pipeline, including its configuration, status, and metadata.

Request Syntax

```
POST /GetTelemetryPipeline HTTP/1.1
Content-type: application/json

{
  "PipelineIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[PipelineIdentifier](#)

The identifier (name or ARN) of the telemetry pipeline to retrieve.

Type: String

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

Required: Yes

Response Syntax

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

{
  "Pipeline": {
    "Arn": "string",
    "Configuration": {
```

```
    "Body": "string",
  },
  "CreatedTimeStamp": number,
  "LastUpdateTimeStamp": number,
  "Name": "string",
  "Status": "string",
  "StatusReason": {
    "Description": "string"
  },
  "Tags": {
    "string" : "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Pipeline

The complete telemetry pipeline resource information, including configuration, status, and metadata.

Type: [TelemetryPipeline](#) object

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

GetTelemetryRule

Retrieves the details of a specific telemetry rule in your account.

Request Syntax

```
POST /GetTelemetryRule HTTP/1.1
Content-type: application/json

{
  "RuleIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[RuleIdentifier](#)

The identifier (name or ARN) of the telemetry rule to retrieve.

Type: String

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

Required: Yes

Response Syntax

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

{
  "CreatedTimeStamp": number,
  "HomeRegion": "string",
  "IsReplicated": boolean,
  "LastUpdateTimeStamp": number,
  "RegionStatuses": [
```

```

    {
      "FailureReason": "string",
      "Region": "string",
      "RuleArn": "string",
      "Status": "string"
    }
  ],
  "RuleArn": "string",
  "RuleName": "string",
  "TelemetryRule": {
    "AllowFieldUpdates": boolean,
    "AllRegions": boolean,
    "DestinationConfiguration": {
      "CloudtrailParameters": {
        "AdvancedEventSelectors": [
          {
            "FieldSelectors": [
              {
                "EndsWith": [ "string" ],
                "Equals": [ "string" ],
                "Field": "string",
                "NotEndsWith": [ "string" ],
                "NotEquals": [ "string" ],
                "NotStartsWith": [ "string" ],
                "StartsWith": [ "string" ]
              }
            ],
            "Name": "string"
          }
        ]
      }
    },
    "DestinationPattern": "string",
    "DestinationType": "string",
    "ELBLoadBalancerLoggingParameters": {
      "FieldDelimiter": "string",
      "OutputFormat": "string"
    },
    "KmsKeyArn": "string",
    "LogDeliveryParameters": {
      "LogTypes": [ "string" ]
    },
    "MskMonitoringParameters": {
      "EnhancedMonitoring": "string"
    }
  },

```

```

    "RetentionInDays": number,
    "VPCFlowLogParameters": {
      "LogFormat": "string",
      "MaxAggregationInterval": number,
      "TrafficType": "string"
    },
    "WAFLoggingParameters": {
      "LoggingFilter": {
        "DefaultBehavior": "string",
        "Filters": [
          {
            "Behavior": "string",
            "Conditions": [
              {
                "ActionCondition": {
                  "Action": "string"
                },
                "LabelNameCondition": {
                  "LabelName": "string"
                }
              }
            ],
            "Requirement": "string"
          }
        ],
        "LogType": "string",
        "RedactedFields": [
          {
            "Method": "string",
            "QueryString": "string",
            "SingleHeader": {
              "Name": "string"
            },
            "UriPath": "string"
          }
        ]
      }
    },
    "Regions": [ "string" ],
    "ResourceType": "string",
    "Scope": "string",
    "SelectionCriteria": "string",
    "TelemetrySourceTypes": [ "string" ],

```

```
    "TelemetryType": "string"  
  }  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedTimeStamp

The timestamp when the telemetry rule was created.

Type: Long

HomeRegion

The AWS Region where the telemetry rule was originally created. For replicated rules in spoke regions, this indicates the region that manages the rule. For rules created without multi-region scope, this field is not present.

Type: String

Length Constraints: Minimum length of 1.

IsReplicated

Indicates whether this telemetry rule is a replica that was created in this region through multi-region fan-out from the home region. Replicated rules cannot be directly updated or deleted in the spoke region. To modify a replicated rule, make changes in the home region.

Type: Boolean

LastUpdateTimeStamp

The timestamp when the telemetry rule was last updated.

Type: Long

RegionStatuses

A list of per-region replication statuses for the telemetry rule. Each entry indicates the replication status of the rule in a specific spoke region. This field is only present for rules created with multi-region scope.

Type: Array of [RegionStatus](#) objects

[RuleArn](#)

The Amazon Resource Name (ARN) of the telemetry rule.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\-])?:([a-zA-Z0-9\-\-]):([a-z0-9\-\-])?:([0-9]{12})?:([.+\-])`

[RuleName](#)

The name of the telemetry rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[0-9A-Za-z-_.#/+]`

[TelemetryRule](#)

The configuration details of the telemetry rule.

Type: [TelemetryRule](#) object

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

GetTelemetryRuleForOrganization

Retrieves the details of a specific organization telemetry rule. This operation can only be called by the organization's management account or a delegated administrator account.

Request Syntax

```
POST /GetTelemetryRuleForOrganization HTTP/1.1
Content-type: application/json

{
  "RuleIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[RuleIdentifier](#)

The identifier (name or ARN) of the organization telemetry rule to retrieve.

Type: String

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

Required: Yes

Response Syntax

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

{
  "CreatedTimeStamp": number,
  "HomeRegion": "string",
  "IsReplicated": boolean,
```

```

    "LastUpdateTimeStamp": number,
    "RegionStatuses": [
      {
        "FailureReason": "string",
        "Region": "string",
        "RuleArn": "string",
        "Status": "string"
      }
    ],
    "RuleArn": "string",
    "RuleName": "string",
    "TelemetryRule": {
      "AllowFieldUpdates": boolean,
      "AllRegions": boolean,
      "DestinationConfiguration": {
        "CloudtrailParameters": {
          "AdvancedEventSelectors": [
            {
              "FieldSelectors": [
                {
                  "EndsWith": [ "string" ],
                  "Equals": [ "string" ],
                  "Field": "string",
                  "NotEndsWith": [ "string" ],
                  "NotEquals": [ "string" ],
                  "NotStartsWith": [ "string" ],
                  "StartsWith": [ "string" ]
                }
              ],
              "Name": "string"
            }
          ],
          "Name": "string"
        }
      },
      "DestinationPattern": "string",
      "DestinationType": "string",
      "ELBLoadBalancerLoggingParameters": {
        "FieldDelimiter": "string",
        "OutputFormat": "string"
      },
      "KmsKeyArn": "string",
      "LogDeliveryParameters": {
        "LogTypes": [ "string" ]
      },
      "MskMonitoringParameters": {

```

```

    "EnhancedMonitoring": "string"
  },
  "RetentionInDays": number,
  "VPCFlowLogParameters": {
    "LogFormat": "string",
    "MaxAggregationInterval": number,
    "TrafficType": "string"
  },
  "WAFLoggingParameters": {
    "LoggingFilter": {
      "DefaultBehavior": "string",
      "Filters": [
        {
          "Behavior": "string",
          "Conditions": [
            {
              "ActionCondition": {
                "Action": "string"
              },
              "LabelNameCondition": {
                "LabelName": "string"
              }
            }
          ],
          "Requirement": "string"
        }
      ]
    },
    "LogType": "string",
    "RedactedFields": [
      {
        "Method": "string",
        "QueryString": "string",
        "SingleHeader": {
          "Name": "string"
        },
        "UriPath": "string"
      }
    ]
  },
  "Regions": [ "string" ],
  "ResourceType": "string",
  "Scope": "string",

```

```
"SelectionCriteria": "string",  
"TelemetrySourceTypes": [ "string" ],  
"TelemetryType": "string"  
}  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedTimeStamp

The timestamp when the organization telemetry rule was created.

Type: Long

HomeRegion

The AWS Region where the organization telemetry rule was originally created. For replicated rules in spoke regions, this indicates the region that manages the rule. For rules created without multi-region scope, this field is not present.

Type: String

Length Constraints: Minimum length of 1.

IsReplicated

Indicates whether this organization telemetry rule is a replica that was created in this region through multi-region fan-out from the home region. Replicated rules cannot be directly updated or deleted in the spoke region. To modify a replicated rule, make changes in the home region.

Type: Boolean

LastUpdateTimeStamp

The timestamp when the organization telemetry rule was last updated.

Type: Long

[RegionStatuses](#)

A list of per-region replication statuses for the organization telemetry rule. Each entry indicates the replication status of the rule in a specific spoke region. This field is only present for rules created with multi-region scope.

Type: Array of [RegionStatus](#) objects

[RuleArn](#)

The Amazon Resource Name (ARN) of the organization telemetry rule.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\+]?:([a-zA-Z0-9\-\+]?:([a-z0-9\-\+]?:([0-9]{12})?:([.+])))?)`

[RuleName](#)

The name of the organization telemetry rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[0-9A-Za-z-_.#/+]`

[TelemetryRule](#)

The configuration details of the organization telemetry rule.

Type: [TelemetryRule](#) object

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the

required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

ListCentralizationRulesForOrganization

Lists all centralization rules in your organization. This operation can only be called by the organization's management account or a delegated administrator account.

Request Syntax

```
POST /ListCentralizationRulesForOrganization HTTP/1.1
Content-type: application/json
```

```
{
  "AllRegions": boolean,
  "MaxResults": number,
  "NextToken": "string",
  "RuleNamePrefix": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AllRegions

A flag determining whether to return organization centralization rules from all regions or only the current region.

Type: Boolean

Required: No

MaxResults

The maximum number of organization centralization rules to return in a single call.

Type: Integer

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

Required: No

NextToken

The token for the next set of results. A previous call generates this token.

Type: String

Required: No

RuleNamePrefix

A string to filter organization centralization rules whose names begin with the specified prefix.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "CentralizationRuleSummaries": [
    {
      "CreatedRegion": "string",
      "CreatedTimeStamp": number,
      "CreatorAccountId": "string",
      "DestinationAccountId": "string",
      "DestinationRegion": "string",
      "FailureReason": "string",
      "LastUpdateTimeStamp": number,
      "RuleArn": "string",
      "RuleHealth": "string",
      "RuleName": "string",
      "TagPropagationFailureReason": "string",
      "TagPropagationStatus": "string"
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CentralizationRuleSummaries

A list of centralization rule summaries.

Type: Array of [CentralizationRuleSummary](#) objects

NextToken

A token to resume pagination of results.

Type: String

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

ListResourceTelemetry

Returns a list of telemetry configurations for AWS resources supported by telemetry config. For more information, see [Auditing CloudWatch telemetry configurations](#).

Request Syntax

```
POST /ListResourceTelemetry HTTP/1.1
Content-type: application/json

{
  "MaxResults": number,
  "NextToken": "string",
  "ResourceIdentifierPrefix": "string",
  "ResourceTags": {
    "string" : "string"
  },
  "ResourceTypes": [ "string" ],
  "TelemetryConfigurationState": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

MaxResults

A number field used to limit the number of results within the returned list.

Type: Integer

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

Required: No

NextToken

The token for the next set of items to return. A previous call generates this token.

Type: String

Required: No

ResourceIdentifierPrefix

A string used to filter resources which have a `ResourceIdentifier` starting with the `ResourceIdentifierPrefix`.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 768.

Required: No

ResourceTags

A key-value pair to filter resources based on tags associated with the resource. For more information about tags, see [What are tags?](#)

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: ([\p{L}\p{Z}\p{N}_ . : / = + \ - @] *)

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

Value Pattern: ([\p{L}\p{Z}\p{N}_ . : / = + \ - @] *)

Required: No

ResourceTypes

A list of resource types used to filter resources supported by telemetry config. If this parameter is provided, the resources will be returned in the same order used in the request.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 9 items.

Valid Values: AWS::EC2::Instance | AWS::EC2::VPC |
AWS::Lambda::Function | AWS::CloudTrail | AWS::EKS::Cluster |
AWS::WAFv2::WebACL | AWS::ElasticLoadBalancingV2::LoadBalancer |
AWS::Route53Resolver::ResolverEndpoint | AWS::BedrockAgentCore::Runtime
| AWS::BedrockAgentCore::Browser |
AWS::BedrockAgentCore::CodeInterpreter | AWS::BedrockAgentCore::Gateway
| AWS::BedrockAgentCore::Memory |
AWS::BedrockAgentCore::WorkloadIdentity | AWS::SecurityHub::Hub
| AWS::CloudFront::Distribution | AWS::SecurityHub::HubV2 |
AWS::CloudWatch::OTelEnrichment | AWS::MSK::Cluster | AWS::S3::Bucket |
AWS::Bedrock::KnowledgeBase

Required: No

TelemetryConfigurationState

A key-value pair to filter resources based on the telemetry type and the state of the telemetry configuration. The key is the telemetry type and the value is the state.

Type: String to string map

Valid Keys: Logs | Metrics | Traces

Valid Values: Enabled | Disabled | NotApplicable

Required: No

Response Syntax

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

{
  "NextToken": "string",
  "TelemetryConfigurations": [
    {
      "AccountIdentifier": "string",
      "LastUpdateTimeStamp": number,
      "ResourceIdentifier": "string",
      "ResourceTags": {
        "string" : "string"
      }
    }
  ]
}
```

```
    },
    "ResourceType": "string",
    "TelemetryConfigurationState": {
      "string" : "string"
    },
    "TelemetrySourceType": "string"
  }
]
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token for the next set of items to return. A previous call generates this token.

Type: String

TelemetryConfigurations

A list of telemetry configurations for AWS resources supported by telemetry config in the caller's account.

Type: Array of [TelemetryConfiguration](#) objects

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python \(Boto3\)](#)
- [AWS SDK for Ruby V3](#)

ListResourceTelemetryForOrganization

Returns a list of telemetry configurations for AWS resources supported by telemetry config in the organization.

Request Syntax

```
POST /ListResourceTelemetryForOrganization HTTP/1.1
Content-type: application/json
```

```
{
  "AccountIdentifiers": [ "string" ],
  "MaxResults": number,
  "NextToken": "string",
  "ResourceIdentifierPrefix": "string",
  "ResourceTags": {
    "string" : "string"
  },
  "ResourceTypes": [ "string" ],
  "TelemetryConfigurationState": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountIdentifiers

A list of AWS accounts used to filter the resources to those associated with the specified accounts.

Type: Array of strings

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

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: No

MaxResults

A number field used to limit the number of results within the returned list.

Type: Integer

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

Required: No

NextToken

The token for the next set of items to return. A previous call provides this token.

Type: String

Required: No

ResourceIdentifierPrefix

A string used to filter resources in the organization which have a `ResourceIdentifier` starting with the `ResourceIdentifierPrefix`.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 768.

Required: No

ResourceTags

A key-value pair to filter resources in the organization based on tags associated with the resource. For more information about tags, see [What are tags?](#)

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `( [\p{L}\p{Z}\p{N}_ . : / = + \ - @ ] * )`

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

Value Pattern: (`[\\p{L}\\p{Z}\\p{N}_.: /+=\\-@]*`)

Required: No

ResourceTypes

A list of resource types used to filter resources in the organization. If this parameter is provided, the resources will be returned in the same order used in the request.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 9 items.

Valid Values: `AWS::EC2::Instance` | `AWS::EC2::VPC` |
`AWS::Lambda::Function` | `AWS::CloudTrail` | `AWS::EKS::Cluster` |
`AWS::WAFv2::WebACL` | `AWS::ElasticLoadBalancingV2::LoadBalancer` |
`AWS::Route53Resolver::ResolverEndpoint` | `AWS::BedrockAgentCore::Runtime`
| `AWS::BedrockAgentCore::Browser` |
`AWS::BedrockAgentCore::CodeInterpreter` | `AWS::BedrockAgentCore::Gateway`
| `AWS::BedrockAgentCore::Memory` |
`AWS::BedrockAgentCore::WorkloadIdentity` | `AWS::SecurityHub::Hub`
| `AWS::CloudFront::Distribution` | `AWS::SecurityHub::HubV2` |
`AWS::CloudWatch::OTelEnrichment` | `AWS::MSK::Cluster` | `AWS::S3::Bucket` |
`AWS::Bedrock::KnowledgeBase`

Required: No

TelemetryConfigurationState

A key-value pair to filter resources in the organization based on the telemetry type and the state of the telemetry configuration. The key is the telemetry type and the value is the state.

Type: String to string map

Valid Keys: `Logs` | `Metrics` | `Traces`

Valid Values: `Enabled` | `Disabled` | `NotApplicable`

Required: No

Response Syntax

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

{
  "NextToken": "string",
  "TelemetryConfigurations": [
    {
      "AccountIdentifier": "string",
      "LastUpdateTimeStamp": number,
      "ResourceIdentifier": "string",
      "ResourceTags": {
        "string" : "string"
      },
      "ResourceType": "string",
      "TelemetryConfigurationState": {
        "string" : "string"
      },
      "TelemetrySourceType": "string"
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token for the next set of items to return. A previous call provides this token.

Type: String

TelemetryConfigurations

A list of telemetry configurations for AWS resources supported by telemetry config in the organization.

Type: Array of [TelemetryConfiguration](#) objects

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

ListS3TableIntegrations

Lists all S3 Table integrations in your account. We recommend using pagination to ensure that the operation returns quickly and successfully.

Request Syntax

```
POST /ListS3TableIntegrations HTTP/1.1
Content-type: application/json
```

```
{
  "MaxResults": number,
  "NextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

MaxResults

The maximum number of S3 Table integrations to return in a single call.

Type: Integer

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

Required: No

NextToken

The token for the next set of results. A previous call generates this token.

Type: String

Required: No

Response Syntax

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

{
  "IntegrationSummaries": [
    {
      "Arn": "string",
      "Status": "string"
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[IntegrationSummaries](#)

A list of S3 Table integration summaries containing key information about each integration.

Type: Array of [IntegrationSummary](#) objects

[NextToken](#)

A token to resume pagination of results.

Type: String

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the

required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)

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

ListTagsForResource

Lists all tags attached to the specified resource. Supports telemetry rule resources and telemetry pipeline resources.

Request Syntax

```
POST /ListTagsForResource HTTP/1.1
Content-type: application/json

{
  "ResourceARN": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ResourceARN

The Amazon Resource Name (ARN) of the telemetry rule resource whose tags you want to list.

Type: String

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

Pattern: `arn:aws([a-z0-9\ -] +)?:([a-zA-Z0-9\ -] +):([a-z0-9\ -] +)?:([0-9]{12})?:(.+)`

Required: Yes

Response Syntax

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

```
{
  "Tags": {
    "string" : "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Tags

The list of tags associated with the telemetry rule resource.

Type: String to string map

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python \(Boto3\)](#)
- [AWS SDK for Ruby V3](#)

ListTelemetryPipelines

Returns a list of telemetry pipelines in your account. Returns up to 100 results. If more than 100 telemetry pipelines exist, include the `NextToken` value from the response to retrieve the next set of results.

Request Syntax

```
POST /ListTelemetryPipelines HTTP/1.1
Content-type: application/json
```

```
{
  "MaxResults": number,
  "NextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

MaxResults

The maximum number of telemetry pipelines to return in a single call.

Type: Integer

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

Required: No

NextToken

The token for the next set of results. A previous call generates this token.

Type: String

Required: No

Response Syntax

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

{
  "NextToken": "string",
  "PipelineSummaries": [
    {
      "Arn": "string",
      "ConfigurationSummary": {
        "DataSources": [
          {
            "Name": "string",
            "Type": "string"
          }
        ],
        "ProcessorCount": number,
        "Processors": [ "string" ],
        "Sinks": [ "string" ],
        "Sources": [
          {
            "Type": "string"
          }
        ]
      },
      "CreatedTimeStamp": number,
      "LastUpdateTimeStamp": number,
      "Name": "string",
      "Status": "string",
      "Tags": {
        "string" : "string"
      }
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

A token to resume pagination of results.

Type: String

PipelineSummaries

A list of telemetry pipeline summaries containing key information about each pipeline.

Type: Array of [TelemetryPipelineSummary](#) objects

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

ListTelemetryRules

Lists all telemetry rules in your account. You can filter the results by specifying a rule name prefix.

Request Syntax

```
POST /ListTelemetryRules HTTP/1.1
Content-type: application/json
```

```
{
  "MaxResults": number,
  "NextToken": "string",
  "RuleNamePrefix": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

MaxResults

The maximum number of telemetry rules to return in a single call.

Type: Integer

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

Required: No

NextToken

The token for the next set of results. A previous call generates this token.

Type: String

Required: No

RuleNamePrefix

A string to filter telemetry rules whose names begin with the specified prefix.

Type: String

Required: No

Response Syntax

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

{
  "NextToken": "string",
  "TelemetryRuleSummaries": [
    {
      "CreatedTimeStamp": number,
      "LastUpdateTimeStamp": number,
      "ResourceType": "string",
      "RuleArn": "string",
      "RuleName": "string",
      "TelemetrySourceTypes": [ "string" ],
      "TelemetryType": "string"
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

A token to resume pagination of results.

Type: String

TelemetryRuleSummaries

A list of telemetry rule summaries.

Type: Array of [TelemetryRuleSummary](#) objects

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

ListTelemetryRulesForOrganization

Lists all telemetry rules in your organization. This operation can only be called by the organization's management account or a delegated administrator account.

Request Syntax

```
POST /ListTelemetryRulesForOrganization HTTP/1.1
Content-type: application/json
```

```
{
  "MaxResults": number,
  "NextToken": "string",
  "RuleNamePrefix": "string",
  "SourceAccountIds": [ "string" ],
  "SourceOrganizationUnitIds": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

MaxResults

The maximum number of organization telemetry rules to return in a single call.

Type: Integer

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

Required: No

NextToken

The token for the next set of results. A previous call generates this token.

Type: String

Required: No

RuleNamePrefix

A string to filter organization telemetry rules whose names begin with the specified prefix.

Type: String

Required: No

SourceAccountIds

The list of account IDs to filter organization telemetry rules by their source accounts.

Type: Array of strings

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

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: No

SourceOrganizationUnitIds

The list of organizational unit IDs to filter organization telemetry rules by their source organizational units.

Type: Array of strings

Array Members: Minimum number of 1 item.

Pattern: `ou-[0-9a-z]{4,32}-[a-z0-9]{8,32}`

Required: No

Response Syntax

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

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

```
    "CreatedTimeStamp": number,
    "LastUpdateTimeStamp": number,
    "ResourceType": "string",
    "RuleArn": "string",
    "RuleName": "string",
    "TelemetrySourceTypes": [ "string" ],
    "TelemetryType": "string"
  }
]
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

A token to resume pagination of results.

Type: String

TelemetryRuleSummaries

A list of organization telemetry rule summaries.

Type: Array of [TelemetryRuleSummary](#) objects

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python \(Boto3\)](#)
- [AWS SDK for Ruby V3](#)

StartTelemetryEnrichment

Enables the resource tags for telemetry feature for your account, which enhances telemetry data with additional resource metadata from AWS Resource Explorer to provide richer context for monitoring and observability.

Request Syntax

```
POST /StartTelemetryEnrichment HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
  "AwsResourceExplorerManagedViewArn": "string",
  "Status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

[AwsResourceExplorerManagedViewArn](#)

The Amazon Resource Name (ARN) of the AWS Resource Explorer managed view created for resource tags for telemetry.

Type: String

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

Pattern: `arn:aws([a-z0-9\-.]+)?:resource-explorer-2:([a-z0-9\-.]+)?:([0-9]{12})?:managed-view/(.+)`

Status

The status of the resource tags for telemetry feature after the start operation (Running, Stopped, or Impaired).

Type: String

Valid Values: Running | Stopped | Impaired

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

ConflictException

The requested operation conflicts with the current state of the specified resource or with another request.

ResourceId

The identifier of the resource which is in conflict with the requested operation.

ResourceType

The type of the resource which is in conflict with the requested operation.

HTTP Status Code: 409

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

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](#)

StartTelemetryEvaluation

This action begins onboarding the caller AWS account to the telemetry config feature.

Request Syntax

```
POST /StartTelemetryEvaluation HTTP/1.1
Content-type: application/json

{
  "AllRegions": boolean,
  "Regions": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AllRegions

If set to `true`, telemetry evaluation starts in all AWS Regions where Amazon CloudWatch Observability Admin is available in the current partition. The current region becomes the home region for managing multi-region evaluation. When new regions become available, evaluation automatically expands to include them. Mutually exclusive with `Regions`.

Type: Boolean

Required: No

Regions

An optional list of AWS Regions to include in multi-region telemetry evaluation. The current region is always implicitly included and must not be specified in this list. When provided, telemetry evaluation starts in the current region and propagates to all specified regions. Mutually exclusive with `AllRegions`. If neither `Regions` nor `AllRegions` is provided, the operation applies only to the current region.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1.

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

StartTelemetryEvaluationForOrganization

This action begins onboarding the organization and all member accounts to the telemetry config feature.

Request Syntax

```
POST /StartTelemetryEvaluationForOrganization HTTP/1.1
Content-type: application/json

{
  "AllRegions": boolean,
  "Regions": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AllRegions

If set to `true`, telemetry evaluation for the organization starts in all AWS Regions where Amazon CloudWatch Observability Admin is available in the current partition. The current region becomes the home region for managing multi-region evaluation for the organization. When new regions become available, evaluation automatically expands to include them. Mutually exclusive with `Regions`.

Type: Boolean

Required: No

Regions

An optional list of AWS Regions to include in multi-region telemetry evaluation for the organization. The current region is always implicitly included and must not be specified in this list. When provided, telemetry evaluation starts in the current region and propagates to all

specified regions for the organization. Mutually exclusive with `AllRegions`. If neither `Regions` nor `AllRegions` is provided, the operation applies only to the current region.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1.

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

StopTelemetryEnrichment

Disables the resource tags for telemetry feature for your account, stopping the enhancement of telemetry data with additional resource metadata.

Request Syntax

```
POST /StopTelemetryEnrichment HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
  "Status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

[Status](#)

The status of the resource tags for telemetry feature after the stop operation (Running, Stopped, or Impaired).

Type: String

Valid Values: Running | Stopped | Impaired

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

ConflictException

The requested operation conflicts with the current state of the specified resource or with another request.

ResourceId

The identifier of the resource which is in conflict with the requested operation.

ResourceType

The type of the resource which is in conflict with the requested operation.

HTTP Status Code: 409

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

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](#)

StopTelemetryEvaluation

This action begins offboarding the caller AWS account from the telemetry config feature.

Request Syntax

```
POST /StopTelemetryEvaluation HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python \(Boto3\)](#)
- [AWS SDK for Ruby V3](#)

StopTelemetryEvaluationForOrganization

This action offboards the Organization of the caller AWS account from the telemetry config feature.

Request Syntax

```
POST /StopTelemetryEvaluationForOrganization HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python \(Boto3\)](#)
- [AWS SDK for Ruby V3](#)

TagResource

Adds or updates tags for a resource. Supports telemetry rule resources and telemetry pipeline resources.

Request Syntax

```
POST /TagResource HTTP/1.1
Content-type: application/json
```

```
{
  "ResourceARN": "string",
  "Tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[ResourceARN](#)

The Amazon Resource Name (ARN) of the telemetry rule resource to tag.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\+]?:([a-zA-Z0-9\-\+]?:([a-z0-9\-\+]?:([0-9]{12})?:([.+]?)`

Required: Yes

[Tags](#)

The key-value pairs to add or update for the telemetry rule resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: ([\p{L}\p{Z}\p{N}_ . : / = + \ - @] *)

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

Value Pattern: ([\p{L}\p{Z}\p{N}_ . : / = + \ - @] *)

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation would exceed the allowed quota for the specified resource type.

amznErrorType

The name of the exception.

QuotaCode

The code for the exceeded service quota.

ResourceId

The identifier of the resource which exceeds the service quota.

ResourceType

The type of the resource which exceeds the service quota.

ServiceCode

The code for the service of the exceeded quota.

HTTP Status Code: 402

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

TestTelemetryPipeline

Tests a pipeline configuration with sample records to validate data processing before deployment. This operation helps ensure your pipeline configuration works as expected.

Request Syntax

```
POST /TestTelemetryPipeline HTTP/1.1
Content-type: application/json

{
  "Configuration": {
    "Body": "string"
  },
  "Records": [
    {
      "Data": "string",
      "Type": "string"
    }
  ],
  "SignalType": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Configuration

The pipeline configuration to test with the provided sample records.

Type: [TelemetryPipelineConfiguration](#) object

Required: Yes

Records

The sample records to process through the pipeline configuration for testing purposes.

Type: Array of [Record](#) objects

Required: Yes

[SignalType](#)

The type of telemetry signal to test. If not specified, defaults to log processing.

Type: String

Valid Values: LOG | METRIC

Required: No

Response Syntax

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

{
  "Results": [
    {
      "Error": {
        "Message": "string"
      },
      "Record": {
        "Data": "string",
        "Type": "string"
      }
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[Results](#)

The results of processing the test records through the pipeline configuration, including any outputs or errors.

Type: Array of [PipelineOutput](#) objects

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

Examples

Example

When calling `TestTelemetryPipeline`, the `Body` of the `Configuration` object should only contain a pipeline with the processor definitions. For example:

```
pipeline:
  processor:
    - lowercase_string:
        with_keys:
          - method
    - uppercase_string:
        with_keys:
          - level
```

Example

The `Records` value should contain the sample input data you want to process. For example:

```
"Records": [
  {
    "Data": "{ \"method\": \"get\", \"level\": \"INFO\" }",
    "Type": "JSON"
  }
]
```

Example

The response will contain the result of applying the processor configuration to the input. For the previously shown inputs, the output is:

```
{
  "Results": [
```

```
{
  "Record": {
    "Data": "{ \"method\": \"GET\", \"level\": \"info\" }"
    "Type" : "JSON"
  }
}
```

Example

Here's another example. Given the following processor configuration:

```
pipeline:
  processor:
    - csv: {}
```

Example

and this input:

```
"Records": [
  {
    "Data": "red,green",
    "Type": "STRING"
  }
]
```

Example

the output is:

```
{
  "Results": [
    {
      "Record": {
        "Data": "{ \"column_1\": \"red\", \"column_2\": \"green\" }"
        "Type" : "JSON"
      }
    }
  ]
}
```

```
}
```

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 a resource. Supports telemetry rule resources and telemetry pipeline resources.

Request Syntax

```
POST /UntagResource HTTP/1.1
Content-type: application/json
```

```
{
  "ResourceARN": "string",
  "TagKeys": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[ResourceARN](#)

The Amazon Resource Name (ARN) of the telemetry rule resource to remove tags from.

Type: String

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

Pattern: `arn:aws([a-z0-9\-.]+)?:([a-zA-Z0-9\-.]+):([a-z0-9\-.]+)?:([0-9]{12})?:(.+)`

Required: Yes

[TagKeys](#)

The list of tag keys to remove from the telemetry rule resource.

Type: Array of strings

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

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

Pattern: (`[\p{L}\p{Z}\p{N}_.: /+=\ -@]*`)

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python \(Boto3\)](#)
- [AWS SDK for Ruby V3](#)

UpdateCentralizationRuleForOrganization

Updates an existing centralization rule that applies across an AWS Organization. This operation can only be called by the organization's management account or a delegated administrator account.

Request Syntax

POST /UpdateCentralizationRuleForOrganization HTTP/1.1

Content-type: application/json

```
{
  "Rule": {
    "Destination": {
      "Account": "string",
      "DestinationLogsConfiguration": {
        "BackupConfiguration": {
          "KmsKeyArn": "string",
          "Region": "string"
        },
        "LogGroupNameConfiguration": {
          "LogGroupNamePattern": "string"
        },
        "LogsEncryptionConfiguration": {
          "EncryptionConflictResolutionStrategy": "string",
          "EncryptionScope": "string",
          "EncryptionStrategy": "string",
          "KmsKeyArn": "string"
        },
        "TagPropagationConfiguration": {
          "DestinationRoleArn": "string",
          "TagConflictResolutionStrategy": "string"
        }
      },
      "DestinationMetricsConfiguration": {
        "BackupConfiguration": {
          "Region": "string"
        }
      },
      "Region": "string"
    },
    "Source": {
      "Regions": [ "string" ],
      "Scope": "string",
    }
  }
}
```

```
    "SourceLogsConfiguration": {
      "DataSourceSelectionCriteria": "string",
      "EncryptedLogGroupStrategy": "string",
      "LogGroupSelectionCriteria": "string"
    },
    "SourceMetricsConfiguration": {
      "MetricsSelectionCriteria": "string"
    }
  },
  "RuleIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Rule

The configuration details for the organization-wide centralization rule, including the source configuration and the destination configuration to centralize telemetry data across the organization.

Type: [CentralizationRule](#) object

Required: Yes

RuleIdentifier

The identifier (name or ARN) of the organization centralization rule to update.

Type: String

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

Required: Yes

Response Syntax

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

{
  "RuleArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[RuleArn](#)

The Amazon Resource Name (ARN) of the updated organization centralization rule.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\+]?:([a-zA-Z0-9\-\+]?:([a-z0-9\-\+]?:([0-9]{12}))?:(.+)`

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation would exceed the allowed quota for the specified resource type.

amznErrorType

The name of the exception.

QuotaCode

The code for the exceeded service quota.

ResourceId

The identifier of the resource which exceeds the service quota.

ResourceType

The type of the resource which exceeds the service quota.

ServiceCode

The code for the service of the exceeded quota.

HTTP Status Code: 402

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

UpdateTelemetryPipeline

Updates the configuration of an existing telemetry pipeline.

Note

The following attributes cannot be updated after pipeline creation:

- **Pipeline name** - The pipeline name is immutable
- **Pipeline ARN** - The ARN is automatically generated and cannot be changed
- **Source type** - Once a pipeline is created with a specific source type (such as S3, CloudWatch Logs, GitHub, or third-party sources), it cannot be changed to a different source type

Processors can be added, removed, or modified. However, some processors are not supported for third-party pipelines and cannot be added through updates.

Source-Specific Update Rules

CloudWatch Logs Sources (Vended and Custom)

Updatable: `sts_role_arn`

Fixed: `data_source_name`, `data_source_type`, `sink` (must remain `@original`)

S3 Sources (Crowdstrike, Zscaler, SentinelOne, Custom)

Updatable: All SQS configuration parameters, `sts_role_arn`, codec settings, compression type, bucket ownership settings, sink log group

Fixed: `notification_type`, `aws.region`

GitHub Audit Logs

Updatable: All AWS Secrets Manager attributes, `scope` (can switch between ORGANIZATION/ENTERPRISE), `organization` or `enterprise` name, `range`, authentication credentials (PAT or GitHub App)

Microsoft Sources (Entra ID, Office365, Windows)

Updatable: All AWS Secrets Manager attributes, tenant_id, workspace_id (Windows only), OAuth2 credentials (client_id, client_secret)

Okta Sources (SSO, Auth0)

Updatable: All AWS Secrets Manager attributes, domain, range, OAuth2 credentials (client_id, client_secret)

Palo Alto Networks

Updatable: All AWS Secrets Manager attributes, hostname, basic authentication credentials (username, password)

ServiceNow CMDB

Updatable: All AWS Secrets Manager attributes, instance_url, range, OAuth2 credentials (client_id, client_secret)

Wiz CNAPP

Updatable: All AWS Secrets Manager attributes, region, range, OAuth2 credentials (client_id, client_secret)

Request Syntax

```
POST /UpdateTelemetryPipeline HTTP/1.1
Content-type: application/json
```

```
{
  "Configuration": {
    "Body": "string"
  },
  "PipelineIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Configuration

The new configuration for the telemetry pipeline, including updated sources, processors, and destinations.

Type: [TelemetryPipelineConfiguration](#) object

Required: Yes

PipelineIdentifier

The ARN of the telemetry pipeline to update.

Type: String

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

UpdateTelemetryRule

Updates an existing telemetry rule in your account. If multiple users attempt to modify the same telemetry rule simultaneously, a `ConflictException` is returned to provide specific error information for concurrent modification scenarios.

Request Syntax

```
POST /UpdateTelemetryRule HTTP/1.1
Content-type: application/json

{
  "Rule": {
    "AllowFieldUpdates": boolean,
    "AllRegions": boolean,
    "DestinationConfiguration": {
      "CloudtrailParameters": {
        "AdvancedEventSelectors": [
          {
            "FieldSelectors": [
              {
                "EndsWith": [ "string" ],
                "Equals": [ "string" ],
                "Field": "string",
                "NotEndsWith": [ "string" ],
                "NotEquals": [ "string" ],
                "NotStartsWith": [ "string" ],
                "StartsWith": [ "string" ]
              }
            ],
            "Name": "string"
          }
        ],
        "DestinationPattern": "string",
        "DestinationType": "string",
        "ELBLoadBalancerLoggingParameters": {
          "FieldDelimiter": "string",
          "OutputFormat": "string"
        },
        "KmsKeyArn": "string",
        "LogDeliveryParameters": {
```

```

    "LogTypes": [ "string" ]
  },
  "MskMonitoringParameters": {
    "EnhancedMonitoring": "string"
  },
  "RetentionInDays": number,
  "VPCFlowLogParameters": {
    "LogFormat": "string",
    "MaxAggregationInterval": number,
    "TrafficType": "string"
  },
  "WAFLoggingParameters": {
    "LoggingFilter": {
      "DefaultBehavior": "string",
      "Filters": [
        {
          "Behavior": "string",
          "Conditions": [
            {
              "ActionCondition": {
                "Action": "string"
              },
              "LabelNameCondition": {
                "LabelName": "string"
              }
            }
          ],
          "Requirement": "string"
        }
      ]
    },
    "LogType": "string",
    "RedactedFields": [
      {
        "Method": "string",
        "QueryString": "string",
        "SingleHeader": {
          "Name": "string"
        },
        "UriPath": "string"
      }
    ]
  }
},

```

```
"Regions": [ "string" ],
"ResourceType": "string",
"Scope": "string",
"SelectionCriteria": "string",
"TelemetrySourceTypes": [ "string" ],
"TelemetryType": "string"
},
"RuleIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Rule

The new configuration details for the telemetry rule.

Type: [TelemetryRule](#) object

Required: Yes

RuleIdentifier

The identifier (name or ARN) of the telemetry rule to update.

Type: String

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

Required: Yes

Response Syntax

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

```
{  
  "RuleArn": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[RuleArn](#)

The Amazon Resource Name (ARN) of the updated telemetry rule.

Type: String

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

Pattern: `arn:aws([a-z0-9\-.]+)?:([a-zA-Z0-9\-.]+):([a-z0-9\-.]+)?:([0-9]{12})?:(.+)`

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

ConflictException

The requested operation conflicts with the current state of the specified resource or with another request.

ResourceId

The identifier of the resource which is in conflict with the requested operation.

ResourceType

The type of the resource which is in conflict with the requested operation.

HTTP Status Code: 409

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation would exceed the allowed quota for the specified resource type.

amznErrorType

The name of the exception.

QuotaCode

The code for the exceeded service quota.

ResourceId

The identifier of the resource which exceeds the service quota.

ResourceType

The type of the resource which exceeds the service quota.

ServiceCode

The code for the service of the exceeded quota.

HTTP Status Code: 402

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python \(Boto3\)](#)
- [AWS SDK for Ruby V3](#)

UpdateTelemetryRuleForOrganization

Updates an existing telemetry rule that applies across an AWS Organization. This operation can only be called by the organization's management account or a delegated administrator account.

Request Syntax

POST /UpdateTelemetryRuleForOrganization HTTP/1.1

Content-type: application/json

```
{
  "Rule": {
    "AllowFieldUpdates": boolean,
    "AllRegions": boolean,
    "DestinationConfiguration": {
      "CloudtrailParameters": {
        "AdvancedEventSelectors": [
          {
            "FieldSelectors": [
              {
                "EndsWith": [ "string" ],
                "Equals": [ "string" ],
                "Field": "string",
                "NotEndsWith": [ "string" ],
                "NotEquals": [ "string" ],
                "NotStartsWith": [ "string" ],
                "StartsWith": [ "string" ]
              }
            ],
            "Name": "string"
          }
        ],
        "DestinationPattern": "string",
        "DestinationType": "string",
        "ELBLoadBalancerLoggingParameters": {
          "FieldDelimiter": "string",
          "OutputFormat": "string"
        },
        "KmsKeyArn": "string",
        "LogDeliveryParameters": {
          "LogTypes": [ "string" ]
        }
      }
    }
  }
}
```

```

    "MskMonitoringParameters": {
      "EnhancedMonitoring": "string"
    },
    "RetentionInDays": number,
    "VPCFlowLogParameters": {
      "LogFormat": "string",
      "MaxAggregationInterval": number,
      "TrafficType": "string"
    },
    "WAFLoggingParameters": {
      "LoggingFilter": {
        "DefaultBehavior": "string",
        "Filters": [
          {
            "Behavior": "string",
            "Conditions": [
              {
                "ActionCondition": {
                  "Action": "string"
                },
                "LabelNameCondition": {
                  "LabelName": "string"
                }
              }
            ],
            "Requirement": "string"
          }
        ],
        "LogType": "string",
        "RedactedFields": [
          {
            "Method": "string",
            "QueryString": "string",
            "SingleHeader": {
              "Name": "string"
            },
            "UriPath": "string"
          }
        ]
      }
    },
    "Regions": [ "string" ],
    "ResourceType": "string",

```

```
"Scope": "string",
"SelectionCriteria": "string",
"TelemetrySourceTypes": [ "string" ],
"TelemetryType": "string"
},
"RuleIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Rule

The new configuration details for the organization telemetry rule, including resource type, telemetry type, and destination configuration.

Type: [TelemetryRule](#) object

Required: Yes

RuleIdentifier

The identifier (name or ARN) of the organization telemetry rule to update.

Type: String

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

Required: Yes

Response Syntax

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

{
  "RuleArn": "string"
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RuleArn

The Amazon Resource Name (ARN) of the updated organization telemetry rule.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\-])?:([a-zA-Z0-9\-\-]):([a-z0-9\-\-])?:([0-9]{12})?:([.+\-])`

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerErrorException

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource (such as a telemetry rule) could not be found.

ResourceId

The identifier of the resource which could not be found.

ResourceType

The type of the resource which could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The requested operation would exceed the allowed quota for the specified resource type.

amznErrorType

The name of the exception.

QuotaCode

The code for the exceeded service quota.

ResourceId

The identifier of the resource which exceeds the service quota.

ResourceType

The type of the resource which exceeds the service quota.

ServiceCode

The code for the service of the exceeded quota.

HTTP Status Code: 402

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

ValidateTelemetryPipelineConfiguration

Validates a pipeline configuration without creating the pipeline. This operation checks the configuration for syntax errors and compatibility issues.

Request Syntax

```
POST /ValidateTelemetryPipelineConfiguration HTTP/1.1
Content-type: application/json

{
  "Configuration": {
    "Body": "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Configuration

The pipeline configuration to validate for syntax and compatibility.

Type: [TelemetryPipelineConfiguration](#) object

Required: Yes

Response Syntax

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

{
  "Errors": [
    {
```

```
    "FieldMap": {  
      "string" : "string"  
    },  
    "Message": "string",  
    "Reason": "string"  
  }  
]  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Errors

A list of validation errors found in the pipeline configuration, if any.

Type: Array of [ValidationError](#) objects

Errors

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

AccessDeniedException

Indicates you don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see [Access management for AWS resources](#) in the IAM user guide.

amznErrorType

The name of the exception.

HTTP Status Code: 400

InternalServerError

Indicates the request has failed to process because of an unknown server error, exception, or failure.

amznErrorType

The name of the exception.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

TooManyRequestsException

The request throughput limit was exceeded.

HTTP Status Code: 429

ValidationException

Indicates input validation failed. Check your request parameters and retry the request.

Errors

The errors in the input which caused the exception.

HTTP Status Code: 400

See Also

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

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

Data Types

The CloudWatch Observability Admin Service API contains several data types that various actions use. This section describes each data type in detail.

Note

The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- [ActionCondition](#)
- [AdvancedEventSelector](#)
- [AdvancedFieldSelector](#)
- [CentralizationRule](#)
- [CentralizationRuleDestination](#)
- [CentralizationRuleSource](#)
- [CentralizationRuleSummary](#)
- [CloudtrailParameters](#)
- [Condition](#)
- [ConfigurationSummary](#)
- [DataSource](#)
- [DestinationLogsConfiguration](#)
- [DestinationMetricsConfiguration](#)
- [ELBLoadBalancerLoggingParameters](#)
- [Encryption](#)
- [FieldToMatch](#)
- [Filter](#)
- [IntegrationSummary](#)
- [LabelNameCondition](#)
- [LogDeliveryParameters](#)

- [LoggingFilter](#)
- [LogGroupNameConfiguration](#)
- [LogsBackupConfiguration](#)
- [LogsEncryptionConfiguration](#)
- [MetricsBackupConfiguration](#)
- [MskMonitoringParameters](#)
- [PipelineOutput](#)
- [PipelineOutputError](#)
- [Record](#)
- [RegionStatus](#)
- [SingleHeader](#)
- [Source](#)
- [SourceLogsConfiguration](#)
- [SourceMetricsConfiguration](#)
- [TagPropagationConfiguration](#)
- [TelemetryConfiguration](#)
- [TelemetryDestinationConfiguration](#)
- [TelemetryPipeline](#)
- [TelemetryPipelineConfiguration](#)
- [TelemetryPipelineStatusReason](#)
- [TelemetryPipelineSummary](#)
- [TelemetryRule](#)
- [TelemetryRuleSummary](#)
- [ValidationError](#)
- [VPCFlowLogParameters](#)
- [WAFLoggingParameters](#)

ActionCondition

Condition that matches based on the specific WAF action taken on the request.

Contents

Action

The WAF action to match against (ALLOW, BLOCK, COUNT, CAPTCHA, CHALLENGE, EXCLUDED_AS_COUNT).

Type: String

Valid Values: ALLOW | BLOCK | COUNT | CAPTCHA | CHALLENGE | EXCLUDED_AS_COUNT

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](#)

AdvancedEventSelector

Advanced event selectors let you create fine-grained selectors for management, data, and network activity events.

Contents

FieldSelectors

Contains all selector statements in an advanced event selector.

Type: Array of [AdvancedFieldSelector](#) objects

Required: Yes

Name

An optional, descriptive name for an advanced event selector, such as "Log data events for only two S3 buckets".

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](#)

AdvancedFieldSelector

Defines criteria for selecting resources based on field values.

Contents

Field

The name of the field to use for selection.

Type: String

Required: Yes

EndsWith

Matches if the field value ends with the specified value.

Type: Array of strings

Required: No

Equals

Matches if the field value equals the specified value.

Type: Array of strings

Required: No

NotEndsWith

Matches if the field value does not end with the specified value.

Type: Array of strings

Required: No

NotEquals

Matches if the field value does not equal the specified value.

Type: Array of strings

Required: No

NotStartsWith

Matches if the field value does not start with the specified value.

Type: Array of strings

Required: No

StartsWith

Matches if the field value starts with the specified value.

Type: Array of strings

Required: No

See Also

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

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

CentralizationRule

Defines how telemetry data should be centralized across an AWS Organization, including source and destination configurations.

Contents

Destination

Configuration determining where the telemetry data should be centralized, backed up, as well as encryption configuration for the primary and backup destinations.

Type: [CentralizationRuleDestination](#) object

Required: Yes

Source

Configuration determining the source of the telemetry data to be centralized.

Type: [CentralizationRuleSource](#) object

Required: Yes

See Also

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

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

CentralizationRuleDestination

Configuration specifying the primary destination for centralized telemetry data.

Contents

Region

The primary destination region to which telemetry data should be centralized.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

Account

The destination account (within the organization) to which the telemetry data should be centralized.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: No

DestinationLogsConfiguration

Log specific configuration for centralization destination log groups.

Type: [DestinationLogsConfiguration](#) object

Required: No

DestinationMetricsConfiguration

Metric specific configuration for centralization destination metrics.

Type: [DestinationMetricsConfiguration](#) 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](#)

CentralizationRuleSource

Configuration specifying the source of telemetry data to be centralized.

Contents

Regions

The list of source regions from which telemetry data should be centralized.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1.

Required: Yes

Scope

The organizational scope from which telemetry data should be centralized, specified using organization id, accounts or organizational unit ids.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Required: No

SourceLogsConfiguration

Log specific configuration for centralization source log groups.

Type: [SourceLogsConfiguration](#) object

Required: No

SourceMetricsConfiguration

Metric specific configuration for centralization source metrics.

Type: [SourceMetricsConfiguration](#) 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](#)

CentralizationRuleSummary

A summary of a centralization rule's key properties and status.

Contents

CreatedRegion

The AWS region where the organization centralization rule was created.

Type: String

Length Constraints: Minimum length of 1.

Required: No

CreatedTimeStamp

The timestamp when the organization centralization rule was created.

Type: Long

Required: No

CreatorAccountId

The AWS Account that created the organization centralization rule.

Type: String

Required: No

DestinationAccountId

The primary destination account of the organization centralization rule.

Type: String

Required: No

DestinationRegion

The primary destination region of the organization centralization rule.

Type: String

Length Constraints: Minimum length of 1.

Required: No

FailureReason

The reason why an organization centralization rule is marked UNHEALTHY.

Type: String

Valid Values: TRUSTED_ACCESS_NOT_ENABLED |
DESTINATION_ACCOUNT_NOT_IN_ORGANIZATION | INTERNAL_SERVER_ERROR

Required: No

LastUpdateTimeStamp

The timestamp when the organization centralization rule was last updated.

Type: Long

Required: No

RuleArn

The Amazon Resource Name (ARN) of the organization centralization rule.

Type: String

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

Pattern: `arn:aws([a-z0-9\-.]+)?:([a-zA-Z0-9\-.]+):([a-z0-9\-.]+)?:([0-9]{12})?:(.+)`

Required: No

RuleHealth

The health status of the organization centralization rule.

Type: String

Valid Values: Healthy | Unhealthy | Provisioning

Required: No

RuleName

The name of the organization centralization rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[0-9A-Za-z-_.#/+]`

Required: No

TagPropagationFailureReason

The reason tag propagation is unhealthy for this rule. Only present when `TagPropagationStatus` is `Unhealthy`.

Type: String

Valid Values: `RoleNotAssumable` | `RoleLacksPermissions`

Required: No

TagPropagationStatus

The health status of tag propagation for this rule. This status is independent of the overall `RuleHealth` for log delivery. Returns `Healthy` when the most recent tag-propagation attempt succeeded, or `Unhealthy` when the most recent attempt failed.

Type: String

Valid Values: `Healthy` | `Unhealthy`

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](#)

CloudtrailParameters

Parameters specific to AWS CloudTrail telemetry configuration.

Contents

AdvancedEventSelectors

The advanced event selectors to use for filtering AWS CloudTrail events.

Type: Array of [AdvancedEventSelector](#) objects

Required: Yes

See Also

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

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

Condition

A single condition that can match based on WAF rule action or label name.

Contents

ActionCondition

Matches log records based on the WAF rule action taken (ALLOW, BLOCK, COUNT, etc.).

Type: [ActionCondition](#) object

Required: No

LabelNameCondition

Matches log records based on WAF rule labels applied to the request.

Type: [LabelNameCondition](#) 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](#)

ConfigurationSummary

Provides a summary of pipeline configuration components including sources, processors, and destinations.

Contents

DataSources

The list of data sources that provide telemetry data to the pipeline.

Type: Array of [DataSource](#) objects

Required: No

ProcessorCount

The total number of processors configured in the pipeline.

Type: Integer

Required: No

Processors

The list of processors configured in the pipeline for data transformation.

Type: Array of strings

Required: No

Sinks

The list of destinations where processed data is sent.

Type: Array of strings

Required: No

Sources

The list of data sources configured in the pipeline.

Type: Array of [Source](#) objects

Required: No

See Also

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

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

DataSource

Information about a data source associated with the telemetry pipeline. For CloudWatch Logs sources, this includes both a name and type extracted from the log event metadata. For third-party sources (such as S3), this includes only a name, with the type field left empty.

Contents

Name

The name of the data source. For CloudWatch Logs sources, this corresponds to the `data_source_name` from the log event metadata. For third-party sources, this is either the configured `data_source_name` or defaults to the plugin name if not specified.

Type: String

Required: No

Type

The type of the data source. For CloudWatch Logs sources, this corresponds to the `data_source_type` from the log event metadata. For third-party sources, this field is empty.

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](#)

DestinationLogsConfiguration

Configuration for centralization destination log groups, including encryption and backup settings.

Contents

BackupConfiguration

Configuration defining the backup region and an optional KMS key for the backup destination.

Type: [LogsBackupConfiguration](#) object

Required: No

LogGroupNameConfiguration

Configuration that specifies a naming pattern for destination log groups created during centralization. The pattern supports static text and dynamic variables that are replaced with source attributes when log groups are created.

Type: [LogGroupNameConfiguration](#) object

Required: No

LogsEncryptionConfiguration

The encryption configuration for centralization destination log groups.

Type: [LogsEncryptionConfiguration](#) object

Required: No

TagPropagationConfiguration

Specifies the tag propagation configuration for this centralization rule. When present, LogGroupNameConfiguration must use a LogGroupNamePattern that contains `${source.logGroup}`, `${source.accountId}`, and `${source.region}`.

Type: [TagPropagationConfiguration](#) 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](#)

DestinationMetricsConfiguration

Configuration for centralization destination metrics, including backup settings.

Contents

BackupConfiguration

Configuration defining the backup region for the metrics backup destination.

Type: [MetricsBackupConfiguration](#) 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](#)

ELBLoadBalancerLoggingParameters

Configuration parameters for ELB load balancer logging, including output format and field delimiter settings.

Contents

FieldDelimiter

The delimiter character used to separate fields in ELB access log entries when using plain text format.

Type: String

Required: No

OutputFormat

The format for ELB access log entries (plain text or JSON format).

Type: String

Valid Values: `plain` | `json`

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](#)

Encryption

Defines the encryption configuration for S3 Table integrations, including the encryption algorithm and KMS key settings.

Contents

SseAlgorithm

The server-side encryption algorithm used for encrypting data in the S3 Table integration.

Type: String

Valid Values: `aws:kms` | `AES256`

Required: Yes

KmsKeyArn

The Amazon Resource Name (ARN) of the KMS key used for encryption when using customer-managed keys.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\+]?:([a-zA-Z0-9\-\+]?:([a-z0-9\-\+]?:([0-9]{12}))?:(.+)`

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](#)

FieldToMatch

Specifies a field in the request to redact from WAF logs, such as headers, query parameters, or body content.

Contents

Method

Redacts the HTTP method from WAF logs.

Type: String

Required: No

QueryString

Redacts the entire query string from WAF logs.

Type: String

Required: No

SingleHeader

Redacts a specific header field by name from WAF logs.

Type: [SingleHeader](#) object

Required: No

UriPath

Redacts the URI path from WAF logs.

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](#)

Filter

A single filter condition that specifies behavior, requirement, and matching conditions for WAF log records.

Contents

Behavior

The action to take for log records matching this filter (KEEP or DROP).

Type: String

Valid Values: KEEP | DROP

Required: No

Conditions

The list of conditions that determine if a log record matches this filter.

Type: Array of [Condition](#) objects

Array Members: Minimum number of 1 item.

Required: No

Requirement

Whether the log record must meet all conditions (MEETS_ALL) or any condition (MEETS_ANY) to match this filter.

Type: String

Valid Values: MEETS_ALL | MEETS_ANY

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](#)

IntegrationSummary

Contains summary information about an S3 Table integration for listing operations.

Contents

Arn

The Amazon Resource Name (ARN) of the S3 Table integration.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\+]?:([a-zA-Z0-9\-\+]?:([a-z0-9\-\+]?:([0-9]{12})?:(.+)`

Required: No

Status

The current status of the S3 Table integration.

Type: String

Valid Values: ACTIVE | DELETING

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](#)

LabelNameCondition

Condition that matches based on WAF rule labels, with label names limited to 1024 characters.

Contents

LabelName

The label name to match, supporting alphanumeric characters, underscores, hyphens, and colons.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `[0-9A-Za-z_\-: ]+`

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](#)

LogDeliveryParameters

The configuration parameters for log delivery, including logType settings. Applies to resource types that support configurable log delivery, such as Amazon Bedrock Knowledge Bases and Elastic Load Balancing Application Load Balancers.

Contents

LogTypes

The types of logs to collect from the resource.

Type: Array of strings

Valid Values: APPLICATION_LOGS | USAGE_LOGS | SECURITY_FINDING_LOGS | ACCESS_LOGS | CONNECTION_LOGS | S3_SERVER_ACCESS_LOGS | ALB_ACCESS_LOGS | ALB_CONNECTION_LOGS | ALB_HEALTH_CHECK_LOGS

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](#)

LoggingFilter

Configuration that determines which WAF log records to keep or drop based on specified conditions.

Contents

DefaultBehavior

The default action (KEEP or DROP) for log records that don't match any filter conditions.

Type: String

Valid Values: KEEP | DROP

Required: No

Filters

A list of filter conditions that determine log record handling behavior.

Type: Array of [Filter](#) objects

Array Members: Minimum number of 1 item.

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](#)

LogGroupNameConfiguration

Configuration that specifies a naming pattern for destination log groups created during centralization. The pattern supports static text and dynamic variables that are replaced with source attributes when log groups are created.

Contents

LogGroupNamePattern

The pattern used to generate destination log group names during centralization. The pattern can contain static text and dynamic variables that are replaced with source attributes. If a variable cannot be resolved, it inherits the value from its parent variable in the hierarchy. The pattern must be between 1 and 512 characters.

Supported variables:

- **`${source.logGroup}`** — The original log group name from the source account.
- **`${source.accountId}`** — The AWS account ID where the log originated.
- **`${source.region}`** — The AWS Region where the log originated.
- **`${source.org.id}`** — The AWS Organization ID of the source account.
- **`${source.org.ouId}`** — The organizational unit ID of the source account.
- **`${source.org.rootId}`** — The organization Root ID.
- **`${source.org.path}`** — The organizational path from account to root.

Type: String

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

Pattern: `(?:[\\._\\-/#A-Za-z0-9]+|\\$\\{[A-Za-z]+(?:\\. [A-Za-z]+){1,2}\\})+`

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](#)

LogsBackupConfiguration

Configuration for backing up centralized log data to a secondary region.

Contents

Region

Logs specific backup destination region within the primary destination account to which log data should be centralized.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

KmsKeyArn

KMS Key ARN belonging to the primary destination account and backup region, to encrypt newly created central log groups in the backup destination.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\-])?:([a-zA-Z0-9\-\-]):([a-z0-9\-\-])?:([0-9]{12})?:([.+\-])`

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](#)

LogsEncryptionConfiguration

Configuration for encrypting centralized destination log groups. By default, this configuration applies only to destination log groups whose corresponding source log groups are encrypted using customer managed KMS keys. To encrypt all destination log groups created by the rule, set `EncryptionScope` to `NEW_DESTINATION_LOG_GROUPS`.

Contents

EncryptionStrategy

Configuration that determines the encryption strategy of the destination log groups. `CUSTOMER_MANAGED` uses the configured `KmsKeyArn` to encrypt newly created destination log groups.

Type: String

Valid Values: `CUSTOMER_MANAGED` | `AWS_OWNED`

Required: Yes

EncryptionConflictResolutionStrategy

Conflict resolution strategy for centralization if the encryption strategy is set to `CUSTOMER_MANAGED` and the destination log group is encrypted with an `AWS_OWNED` KMS Key. `ALLOW` lets centralization go through while `SKIP` prevents centralization into the destination log group.

Type: String

Valid Values: `ALLOW` | `SKIP`

Required: No

EncryptionScope

Determines which newly created destination log groups are encrypted with the configured `KmsKeyArn` when `EncryptionStrategy` is `CUSTOMER_MANAGED`.

If you set this to `ENCRYPTED_SOURCE_ONLY` (the default), only destination log groups whose source log group is encrypted with a customer managed KMS key use the configured

KmsKeyArn. Destination log groups derived from AWS owned encrypted source log groups remain AWS owned encrypted.

If you set this to `NEW_DESTINATION_LOG_GROUPS`, every new destination log group created by this rule uses the configured `KmsKeyArn`, regardless of the source log group's encryption posture.

This field is not valid when `EncryptionStrategy` is `AWS_OWNED`.

Type: String

Valid Values: `ENCRYPTED_SOURCE_ONLY` | `NEW_DESTINATION_LOG_GROUPS`

Required: No

KmsKeyArn

KMS Key ARN belonging to the primary destination account and region, to encrypt newly created central log groups in the primary destination.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\:]?:([a-zA-Z0-9\-\:]?:([a-z0-9\-\:]?:([0-9]{12})?:(.+)?)?)?)`

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](#)

MetricsBackupConfiguration

Configuration for backing up centralized metrics data to a secondary region.

Contents

Region

Metrics specific backup destination region within the primary destination account to which metrics data should be centralized.

Type: String

Length Constraints: Minimum length of 1.

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](#)

MskMonitoringParameters

Configuration parameters for Amazon MSK cluster monitoring, including enhanced monitoring level settings.

Contents

EnhancedMonitoring

The level of enhanced monitoring for the MSK cluster.

Type: String

Valid Values: DEFAULT | PER_BROKER | PER_TOPIC_PER_BROKER | PER_TOPIC_PER_PARTITION

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](#)

PipelineOutput

Contains the output from pipeline test operations, including processed records and any errors encountered.

Contents

Error

Any error that occurred during the pipeline test operation for this record.

Type: [PipelineOutputError](#) object

Required: No

Record

The processed record output from the pipeline test operation.

Type: [Record](#) 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](#)

PipelineOutputError

Contains detailed error information from pipeline test operations, providing structured error responses for better debugging and troubleshooting capabilities.

Contents

Message

The detailed error message describing what went wrong during the pipeline test operation for this record.

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](#)

Record

Represents a test record structure used for pipeline testing operations to validate data processing.

Contents

Data

The data content of the test record used for pipeline validation.

Type: String

Required: No

Type

The type of the test record, indicating the format or category of the data.

Type: String

Valid Values: STRING | JSON

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](#)

RegionStatus

Represents the status of a multi-region operation in a specific AWS Region. This structure is used to report per-region progress for both telemetry evaluation and telemetry rule replication.

Contents

FailureReason

The reason for a failure status in this region. This field is only populated when `Status` indicates a failure.

Type: String

Required: No

Region

The AWS Region code (for example, `eu-west-1` or `us-west-2`) that this status applies to.

Type: String

Length Constraints: Minimum length of 1.

Required: No

RuleArn

The Amazon Resource Name (ARN) of the telemetry rule in this spoke region. This field is only present for telemetry rule region statuses and is populated when the rule has been successfully created in the spoke region (status is `ACTIVE`).

Type: String

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

Pattern: `arn:aws([a-z0-9\-\-])?:([a-zA-Z0-9\-\-]):([a-z0-9\-\-])?:([0-9]{12})?:([.+\-])`

Required: No

Status

The status of the operation in this region. For telemetry evaluation, valid values include `STARTING`, `RUNNING`, and `FAILED_START`. For telemetry rules, valid values include `PENDING`, `ACTIVE`, and `FAILED`.

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](#)

SingleHeader

Structure containing a name field limited to 64 characters for header or query parameter identification.

Contents

Name

The name value, limited to 64 characters.

Type: String

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

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](#)

Source

A list of source plugin types used in the pipeline configuration (such as `ccloudwatch_logs` or `s3`). Currently supports a single source per pipeline, but is structured as a list to accommodate multiple pipelines in the configuration.

Contents

Type

The plugin name of the source, such as `ccloudwatch_logs` or `s3`.

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](#)

SourceLogsConfiguration

Configuration for selecting and handling source log groups for centralization.

Contents

EncryptedLogGroupStrategy

A strategy determining whether to centralize source log groups that are encrypted with customer managed KMS keys (CMK). ALLOW will consider CMK encrypted source log groups for centralization while SKIP will skip CMK encrypted source log groups from centralization.

Type: String

Valid Values: ALLOW | SKIP

Required: Yes

DataSourceSelectionCriteria

The selection criteria that specifies which data sources to centralize. The selection criteria uses the same filter expression format as LogGroupSelectionCriteria, but operates on DataSourceName and DataSourceType operands. When both LogGroupSelectionCriteria and DataSourceSelectionCriteria are specified, a log event must match both criteria to be centralized.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Required: No

LogGroupSelectionCriteria

The selection criteria that specifies which source log groups to centralize. The selection criteria uses the same format as OAM link filters.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

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](#)

SourceMetricsConfiguration

Configuration for selecting source metrics for centralization.

Contents

MetricsSelectionCriteria

The filter expression that selects which source metrics to centralize. Currently, only * (all metrics) is supported. Other values return a validation error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

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](#)

TagPropagationConfiguration

Specifies configuration for propagating resource tags from source log groups to centralized destination log groups. The service uses a customer-managed IAM role in the destination account to add, update, and remove tags on destination log groups.

Contents

DestinationRoleArn

The ARN of a customer-managed IAM role in the destination account. The service assumes this role to propagate tags to destination log groups. You must have `iam:PassRole` permission on this role.

Type: String

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

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

Required: Yes

TagConflictResolutionStrategy

The strategy for resolving conflicts when a tag key exists on both the source and destination log groups. If not specified, defaults to `UPDATE_SYNC`.

- `ADD_ONLY` – Only adds new tags from the source without modifying existing destination tags.
- `UPDATE_SYNC` – Adds new tags and updates existing tags from the source. Does not remove destination tags that are absent from the source.
- `IN_SYNC` – Keeps destination tags fully synchronized with source tags, including removing destination tags that do not exist on the source.

Type: String

Valid Values: `IN_SYNC` | `ADD_ONLY` | `UPDATE_SYNC`

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](#)

TelemetryConfiguration

A model representing the state of a resource within an account according to telemetry config.

Contents

AccountIdIdentifier

The account ID which contains the resource managed in telemetry configuration. An example of a valid account ID is 012345678901.

Type: String

Length Constraints: Fixed length of 12.

Pattern: [0-9]{12}

Required: No

LastUpdateTimeStamp

The timestamp of the last change to the telemetry configuration for the resource. For example, 1728679196318.

Type: Long

Required: No

ResourceIdentifier

The identifier of the resource, for example for Amazon VPC, it would be vpc-1a2b3c4d5e6f1a2b3.

Type: String

Required: No

ResourceTags

Tags associated with the resource, for example { Name: "ExampleInstance", Environment: "Development" }.

Type: String to string map

Required: No

ResourceType

The type of resource, for example `AWS::EC2::Instance`, or `AWS::EKS::Cluster`, etc.

Type: String

Valid Values: `AWS::EC2::Instance` | `AWS::EC2::VPC` |
`AWS::Lambda::Function` | `AWS::CloudTrail` | `AWS::EKS::Cluster` |
`AWS::WAFv2::WebACL` | `AWS::ElasticLoadBalancingV2::LoadBalancer` |
`AWS::Route53Resolver::ResolverEndpoint` | `AWS::BedrockAgentCore::Runtime`
| `AWS::BedrockAgentCore::Browser` |
`AWS::BedrockAgentCore::CodeInterpreter` | `AWS::BedrockAgentCore::Gateway`
| `AWS::BedrockAgentCore::Memory` |
`AWS::BedrockAgentCore::WorkloadIdentity` | `AWS::SecurityHub::Hub`
| `AWS::CloudFront::Distribution` | `AWS::SecurityHub::HubV2` |
`AWS::CloudWatch::OTelEnrichment` | `AWS::MSK::Cluster` | `AWS::S3::Bucket` |
`AWS::Bedrock::KnowledgeBase`

Required: No

TelemetryConfigurationState

The configuration state for the resource, for example `{ Logs: NotApplicable; Metrics: Enabled; Traces: NotApplicable; }`.

Type: String to string map

Valid Keys: `Logs` | `Metrics` | `Traces`

Valid Values: `Enabled` | `Disabled` | `NotApplicable`

Required: No

TelemetrySourceType

Specifies the type of telemetry source for a resource, such as EKS cluster logs.

Type: String

Valid Values: `VPC_FLOW_LOGS` | `ROUTE53_RESOLVER_QUERY_LOGS` | `EKS_AUDIT_LOGS`
| `EKS_AUTHENTICATOR_LOGS` | `EKS_CONTROLLER_MANAGER_LOGS` |
`EKS_SCHEDULER_LOGS` | `EKS_API_LOGS`

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](#)

TelemetryDestinationConfiguration

Configuration specifying where and how telemetry data should be delivered for AWS resources.

Contents

CloudtrailParameters

Configuration parameters specific to AWS CloudTrail when CloudTrail is the source type.

Type: [CloudtrailParameters](#) object

Required: No

DestinationPattern

The pattern used to generate the destination path or name, supporting macros like <resourceId> and <accountId>.

Type: String

Required: No

DestinationType

The type of destination for the telemetry data (e.g., "Amazon CloudWatch Logs", "S3").

Type: String

Valid Values: cloud-watch-logs

Required: No

ELBLoadBalancerLoggingParameters

Configuration parameters specific to ELB load balancer logging when ELB is the resource type.

Type: [ELBLoadBalancerLoggingParameters](#) object

Required: No

KmsKeyArn

The Amazon Resource Name (ARN) of the customer-managed AWS KMS key used to encrypt the log groups created during telemetry rule remediation.

Type: String

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

Pattern: `arn:aws[a-zA-Z-]*:kms:[a-z0-9-]+:\d{12}:key/(mrk-)?[a-f0-9-]+`

Required: No

LogDeliveryParameters

The configuration parameters for log delivery when the resource type supports configurable log types, such as Amazon Bedrock Knowledge Bases or Elastic Load Balancing Application Load Balancers.

Type: [LogDeliveryParameters](#) object

Required: No

MskMonitoringParameters

Configuration parameters specific to MSK monitoring when MSK is the resource type.

Type: [MskMonitoringParameters](#) object

Required: No

RetentionInDays

The number of days to retain the telemetry data in the destination.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 3653.

Required: No

VPCFlowLogParameters

Configuration parameters specific to VPC Flow Logs when VPC is the resource type.

Type: [VPCFlowLogParameters](#) object

Required: No

WAFLoggingParameters

Configuration parameters specific to WAF logging when WAF is the resource type.

Type: [WAFLoggingParameters](#) 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](#)

TelemetryPipeline

Represents a complete telemetry pipeline resource with configuration, status, and metadata for data processing and transformation.

Contents

Arn

The Amazon Resource Name (ARN) of the telemetry pipeline.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\-])?:([a-zA-Z0-9\-\-]):([a-z0-9\-\-])?:([0-9]{12})?:([.+\-])`

Required: No

Configuration

The configuration that defines how the telemetry pipeline processes data.

Type: [TelemetryPipelineConfiguration](#) object

Required: No

CreatedTimeStamp

The timestamp when the telemetry pipeline was created.

Type: Long

Required: No

LastUpdateTimeStamp

The timestamp when the telemetry pipeline was last updated.

Type: Long

Required: No

Name

The name of the telemetry pipeline.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 28.

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

Required: No

Status

The current status of the telemetry pipeline.

Type: String

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

Required: No

StatusReason

Additional information about the pipeline status, including reasons for failure states.

Type: [TelemetryPipelineStatusReason](#) object

Required: No

Tags

The key-value pairs associated with the telemetry pipeline resource.

Type: String to string map

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](#)

TelemetryPipelineConfiguration

Defines the configuration for a pipeline, including how data flows from sources through processors to destinations. The configuration is specified in YAML format and must include a valid pipeline definition with required source and sink components. This pipeline enables end-to-end telemetry data collection, transformation, and delivery while supporting optional processing steps and extensions for enhanced functionality.

The primary pipeline configuration section are:

- **Source:** Defines where log data originates from (S3 buckets, CloudWatch Logs, third-party APIs). Each pipeline must have exactly one source.
- **Processors (optional):** Transform, parse, and enrich log data as it flows through the pipeline. Processors are applied sequentially in the order they are defined.
- **Sink:** Defines the destination where processed log data is sent. Each pipeline must have exactly one sink.
- **Extensions (optional):** Provide additional functionality such as AWS Secrets Manager integration for credential management.

For more details on each configuration section see [CloudWatch pipelines User Guide](#). Additional comprehensive configuration examples can be found in the [CreateTelemetryPipeline API docs](#).

Contents

Body

The pipeline configuration body that defines the data processing rules and transformations.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 24000.

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](#)

TelemetryPipelineStatusReason

Provides detailed information about the status of a telemetry pipeline, including reasons for specific states.

Contents

Description

A description of the pipeline status reason, providing additional context about the current state.

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](#)

TelemetryPipelineSummary

Contains summary information about a telemetry pipeline for listing operations.

Contents

Arn

The Amazon Resource Name (ARN) of the telemetry pipeline.

Type: String

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

Pattern: `arn:aws([a-z0-9\-\+])?:([a-zA-Z0-9\-\+]):([a-z0-9\-\+])?:([0-9]{12})?:([.\+])`

Required: No

ConfigurationSummary

A summary of the pipeline configuration components.

Type: [ConfigurationSummary](#) object

Required: No

CreatedTimeStamp

The timestamp when the telemetry pipeline was created.

Type: Long

Required: No

LastUpdateTimeStamp

The timestamp when the telemetry pipeline was last updated.

Type: Long

Required: No

Name

The name of the telemetry pipeline.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 28.

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

Required: No

Status

The current status of the telemetry pipeline.

Type: String

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

Required: No

Tags

The key-value pairs associated with the telemetry pipeline resource.

Type: String to string map

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](#)

TelemetryRule

Defines how telemetry should be configured for specific AWS resources.

Contents

TelemetryType

The type of telemetry to collect (Logs, Metrics, or Traces).

Type: String

Valid Values: Logs | Metrics | Traces

Required: Yes

AllowFieldUpdates

If set to `true`, Amazon CloudWatch Observability Admin detects and remediates configuration drift in telemetry resources that it manages. For example, if a VPC flow log's format, traffic type, or aggregation interval no longer matches the rule's destination configuration, the flow log is replaced with one that matches. Only Observability Admin-managed resources are updated; customer-created resources are never modified. Currently supported for AWS::EC2::VPC resources (VPC flow logs).

Type: Boolean

Required: No

AllRegions

If set to `true`, the telemetry rule is replicated to all AWS Regions where Amazon CloudWatch Observability Admin is available in the current partition. When new regions become available, the rule automatically replicates to them. Mutually exclusive with `Regions`.

Type: Boolean

Required: No

DestinationConfiguration

Configuration specifying where and how the telemetry data should be delivered.

Type: [TelemetryDestinationConfiguration](#) object

Required: No

Regions

An optional list of AWS Regions where this telemetry rule should be replicated. When specified, the rule is created in the home region and automatically replicated to all listed regions.

Mutually exclusive with AllRegions.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1.

Required: No

ResourceType

The type of AWS resource to configure telemetry for (for example, AWS::EC2::VPC, AWS::EKS::Cluster, AWS::ElasticLoadBalancingV2::LoadBalancer, or AWS::Bedrock::KnowledgeBase).

Type: String

Valid Values: AWS::EC2::Instance | AWS::EC2::VPC |
AWS::Lambda::Function | AWS::CloudTrail | AWS::EKS::Cluster |
AWS::WAFv2::WebACL | AWS::ElasticLoadBalancingV2::LoadBalancer |
AWS::Route53Resolver::ResolverEndpoint | AWS::BedrockAgentCore::Runtime
| AWS::BedrockAgentCore::Browser |
AWS::BedrockAgentCore::CodeInterpreter | AWS::BedrockAgentCore::Gateway
| AWS::BedrockAgentCore::Memory |
AWS::BedrockAgentCore::WorkloadIdentity | AWS::SecurityHub::Hub
| AWS::CloudFront::Distribution | AWS::SecurityHub::HubV2 |
AWS::CloudWatch::OTelEnrichment | AWS::MSK::Cluster | AWS::S3::Bucket |
AWS::Bedrock::KnowledgeBase

Required: No

Scope

The organizational scope to which the rule applies, specified using accounts or organizational units.

Type: String

Required: No

SelectionCriteria

Criteria for selecting which resources the rule applies to, such as resource tags.

Type: String

Required: No

TelemetrySourceTypes

The specific telemetry source types to configure for the resource, such as VPC_FLOW_LOGS or EKS_AUDIT_LOGS. TelemetrySourceTypes must be correlated with the specific resource type.

Type: Array of strings

Valid Values: VPC_FLOW_LOGS | ROUTE53_RESOLVER_QUERY_LOGS | EKS_AUDIT_LOGS
| EKS_AUTHENTICATOR_LOGS | EKS_CONTROLLER_MANAGER_LOGS |
EKS_SCHEDULER_LOGS | EKS_API_LOGS

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](#)

TelemetryRuleSummary

A summary of a telemetry rule's key properties.

Contents

CreatedTimeStamp

The timestamp when the telemetry rule was created.

Type: Long

Required: No

LastUpdateTimeStamp

The timestamp when the telemetry rule was last modified.

Type: Long

Required: No

ResourceType

The type of AWS resource the rule applies to.

Type: String

Valid Values: `AWS::EC2::Instance` | `AWS::EC2::VPC` | `AWS::Lambda::Function` | `AWS::CloudTrail` | `AWS::EKS::Cluster` | `AWS::WAFv2::WebACL` | `AWS::ElasticLoadBalancingV2::LoadBalancer` | `AWS::Route53Resolver::ResolverEndpoint` | `AWS::BedrockAgentCore::Runtime` | `AWS::BedrockAgentCore::Browser` | `AWS::BedrockAgentCore::CodeInterpreter` | `AWS::BedrockAgentCore::Gateway` | `AWS::BedrockAgentCore::Memory` | `AWS::BedrockAgentCore::WorkloadIdentity` | `AWS::SecurityHub::Hub` | `AWS::CloudFront::Distribution` | `AWS::SecurityHub::HubV2` | `AWS::CloudWatch::OTelEnrichment` | `AWS::MSK::Cluster` | `AWS::S3::Bucket` | `AWS::Bedrock::KnowledgeBase`

Required: No

RuleArn

The Amazon Resource Name (ARN) of the telemetry rule.

Type: String

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

Pattern: `arn:aws([a-z0-9\-]+)?:([a-zA-Z0-9\-]+):([a-z0-9\-]+)?:([0-9]{12})?:(.+)`

Required: No

RuleName

The name of the telemetry rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[0-9A-Za-z-_.#/+]`

Required: No

TelemetrySourceTypes

The types of telemetry sources configured for this rule, such as VPC Flow Logs or EKS audit logs. `TelemetrySourceTypes` must be correlated with the specific resource type.

Type: Array of strings

Valid Values: `VPC_FLOW_LOGS` | `ROUTE53_RESOLVER_QUERY_LOGS` | `EKS_AUDIT_LOGS` | `EKS_AUTHENTICATOR_LOGS` | `EKS_CONTROLLER_MANAGER_LOGS` | `EKS_SCHEDULER_LOGS` | `EKS_API_LOGS`

Required: No

TelemetryType

The type of telemetry (Logs, Metrics, or Traces) the rule configures.

Type: String

Valid Values: `Logs` | `Metrics` | `Traces`

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](#)

ValidationError

Represents a detailed validation error with message, reason, and field mapping for comprehensive error reporting.

Contents

FieldMap

A mapping of field names to specific validation issues within the configuration.

Type: String to string map

Required: No

Message

The error message describing the validation issue.

Type: String

Required: No

Reason

The reason code or category for the validation error.

Type: String

Required: No

See Also

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

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

VPCFlowLogParameters

Configuration parameters specific to VPC Flow Logs.

Contents

LogFormat

The format in which VPC Flow Log entries should be logged.

Type: String

Required: No

MaxAggregationInterval

The maximum interval in seconds between the capture of flow log records.

Type: Integer

Required: No

TrafficType

The type of traffic to log (ACCEPT, REJECT, or ALL).

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](#)

WAFLoggingParameters

Configuration parameters for WAF logging, including redacted fields and logging filters.

Contents

LoggingFilter

A filter configuration that determines which WAF log records to include or exclude.

Type: [LoggingFilter](#) object

Required: No

LogType

The type of WAF logs to collect (currently supports WAF_LOGS).

Type: String

Valid Values: WAF_LOGS

Required: No

RedactedFields

The fields to redact from WAF logs to protect sensitive information.

Type: Array of [FieldToMatch](#) objects

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

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for 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