aws

API Reference

Amazon Managed Service for Prometheus



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Amazon Managed Service for Prometheus: API Reference

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Welcome

Amazon Managed Service for Prometheus is a serverless, Prometheus-compatible monitoring service for container metrics that makes it easier to securely monitor container environments at scale. With Amazon Managed Service for Prometheus, you can use the same open-source Prometheus data model and query language that you use today to monitor the performance of your containerized workloads, and also enjoy improved scalability, availability, and security without having to manage the underlying infrastructure.

For more information about Amazon Managed Service for Prometheus, see the Amazon Managed Service for Prometheus User Guide.

Amazon Managed Service for Prometheus includes two APIs.

- Use the AWS API described in this guide to manage Amazon Managed Service for Prometheus resources, such as workspaces, rule groups, and alert managers.
- Use the Prometheus-compatible API to work within your Prometheus workspace.

This document was last published on November 20, 2026.

Actions

The following actions are supported:

- CreateAlertManagerDefinition
- CreateAnomalyDetector
- CreateLoggingConfiguration
- CreateQueryLoggingConfiguration
- CreateRuleGroupsNamespace
- CreateScraper
- CreateWorkspace
- DeleteAlertManagerDefinition
- DeleteAnomalyDetector
- DeleteLoggingConfiguration
- DeleteQueryLoggingConfiguration
- DeleteResourcePolicy
- DeleteRuleGroupsNamespace
- DeleteScraper
- DeleteScraperLoggingConfiguration
- DeleteWorkspace
- DescribeAlertManagerDefinition
- DescribeAnomalyDetector
- DescribeLoggingConfiguration
- DescribeQueryLoggingConfiguration
- DescribeResourcePolicy
- DescribeRuleGroupsNamespace
- DescribeScraper
- DescribeScraperLoggingConfiguration
- DescribeWorkspace
- DescribeWorkspaceConfiguration
- GetDefaultScraperConfiguration

- ListAnomalyDetectors
- ListRuleGroupsNamespaces
- ListScrapers
- ListTagsForResource
- ListWorkspaces
- PutAlertManagerDefinition
- PutAnomalyDetector
- PutResourcePolicy
- PutRuleGroupsNamespace
- TagResource
- UntagResource
- UpdateLoggingConfiguration
- UpdateQueryLoggingConfiguration
- UpdateScraper
- UpdateScraperLoggingConfiguration
- UpdateWorkspaceAlias
- UpdateWorkspaceConfiguration

CreateAlertManagerDefinition

The `CreateAlertManagerDefinition` operation creates the alert manager definition in a workspace. If a workspace already has an alert manager definition, don't use this operation to update it. Instead, use `PutAlertManagerDefinition`.

Request Syntax

```
POST /workspaces/workspaceId/alertmanager/definition HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "data": blob
}
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace to add the alert manager definition to.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique identifier that you can provide to ensure the idempotency of the request. Case-sensitive.

Type: String

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

Pattern: `[!-~]+`

Required: No

data

The alert manager definition to add. A base64-encoded version of the YAML alert manager definition file.

For details about the alert manager definition, see AlertManagedDefinitionData.

Type: Base64-encoded binary data object

Required: Yes

Response Syntax

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

{
   "status": {
      "statusCode": "string",
      "statusReason": "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

A structure that displays the current status of the alert manager definition.

Type: AlertManagerDefinitionStatus object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

Completing the request would cause a service quota to be exceeded.

message

Description of the error.

quotaCode

Service quotas code of the originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

CreateAnomalyDetector

Creates an anomaly detector within a workspace using the Random Cut Forest algorithm for time-series analysis. The anomaly detector analyzes Amazon Managed Service for Prometheus metrics to identify unusual patterns and behaviors.

Request Syntax

```
POST /workspaces/workspaceId/anomalydetectors HTTP/1.1
Content-type: application/json

{
   "alias": "string",
   "clientToken": "string",
   "configuration": { ... },
   "evaluationIntervalInSeconds": number,
   "labels": {
      "string" : "string"
   },
   "missingDataAction": { ... },
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The identifier of the workspace where the anomaly detector will be created.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

alias

A user-friendly name for the anomaly detector.

Type: String

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

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

Pattern: `[!-~]+`

Required: No

configuration

The algorithm configuration for the anomaly detector.

Type: AnomalyDetectorConfiguration object

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

Required: Yes

evaluationIntervalInSeconds

The frequency, in seconds, at which the anomaly detector evaluates metrics. The default value is 60 seconds.

Type: Integer

Valid Range: Minimum value of 30. Maximum value of 86400.

Required: No

labels

The Amazon Managed Service for Prometheus metric labels to associate with the anomaly detector.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 140 items.

Key Length Constraints: Minimum length of 1. Maximum length of 7168.

Key Pattern: `(?!__)[a-zA-Z_][a-zA-Z0-9_]*`

Value Length Constraints: Minimum length of 1. Maximum length of 7168.

Required: No

missingDataAction

Specifies the action to take when data is missing during evaluation.

Type: AnomalyDetectorMissingDataAction object

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

Required: No

tags

The metadata to apply to the anomaly detector to assist with categorization and organization.

Type: String to string map

Map Entries: Minimum number of 0 items. 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/1.1 202
Content-type: application/json

{
   "anomalyDetectorId": "string",
   "arn": "string",
   "status": {
      "statusCode": "string",
      "statusReason": "string"
   },
   "tags": {
      "string" : "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.

anomalyDetectorId

The unique identifier of the created anomaly detector.

Type: String

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

Pattern: `ad-[0-9A-Za-z][-.0-9A-Z_a-z]*`

arn

The Amazon Resource Name (ARN) of the created anomaly detector.

Type: String

Pattern: `arn:aws[-a-z]*:aps:[-a-z0-9]+:[0-9]{12}:anomalydetector/ws-.+/ad-.+`

status

The status information of the created anomaly detector.

Type: AnomalyDetectorStatus object

tags

The tags applied to the created anomaly detector.

Type: String to string map

Map Entries: Minimum number of 0 items. 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}_.:/=+\-@]*)`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ServiceQuotaExceededException

Completing the request would cause a service quota to be exceeded.

message

Description of the error.

quotaCode

Service quotas code of the originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

CreateLoggingConfiguration

The `CreateLoggingConfiguration` operation creates rules and alerting logging configuration for the workspace. Use this operation to set the CloudWatch log group to which the logs will be published to.

> **Note**
>
> These logging configurations are only for rules and alerting logs.

Request Syntax

```
POST /workspaces/workspaceId/logging HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "logGroupArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace to create the logging configuration for.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique identifier that you can provide to ensure the idempotency of the request. Case-sensitive.

Type: String

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

Pattern: `[!-~]+`

Required: No

logGroupArn

The ARN of the CloudWatch log group to which the vended log data will be published. This log group must exist prior to calling this operation.

Type: String

Pattern: `arn:aws[a-z0-9-]*:logs:[a-z0-9-]+:[0-9]{12}:log-group:[A-Za-z0-9\.\-\_\#/]{1,512}\:\*`

Required: Yes

Response Syntax

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

{
   "status": {
      "statusCode": "string",
      "statusReason": "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

A structure that displays the current status of the logging configuration.

Type: LoggingConfigurationStatus object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

CreateQueryLoggingConfiguration

Creates a query logging configuration for the specified workspace. This operation enables logging of queries that exceed the specified QSP threshold.

Request Syntax

```
POST /workspaces/workspaceId/logging/query HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "destinations": [
      {
         "cloudWatchLogs": {
            "logGroupArn": "string"
         },
         "filters": {
            "qspThreshold": number
         }
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace for which to create the query logging configuration.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

(Optional) A unique, case-sensitive identifier that you can provide to ensure the idempotency of the request.

Type: String

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

Pattern: `[!-~]+`

Required: No

destinations

The destinations where query logs will be sent. Only CloudWatch Logs destination is supported. The list must contain exactly one element.

Type: Array of LoggingDestination objects

Array Members: Fixed number of 1 item.

Required: Yes

Response Syntax

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

{
   "status": {
      "statusCode": "string",
      "statusReason": "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 current status of the query logging configuration.

Type: QueryLoggingConfigurationStatus object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

CreateRuleGroupsNamespace

The `CreateRuleGroupsNamespace` operation creates a rule groups namespace within a workspace. A rule groups namespace is associated with exactly one rules file. A workspace can have multiple rule groups namespaces.

> **Important**
>
> The combined length of a rule group namespace and a rule group name cannot exceed 721 UTF-8 bytes.

Use this operation only to create new rule groups namespaces. To update an existing rule groups namespace, use `PutRuleGroupsNamespace`.

Request Syntax

```
POST /workspaces/workspaceId/rulegroupsnamespaces HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "data": blob,
   "name": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace to add the rule groups namespace.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique identifier that you can provide to ensure the idempotency of the request. Case-sensitive.

Type: String

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

Pattern: `[!-~]+`

Required: No

data

The rules file to use in the new namespace.

Contains the base64-encoded version of the YAML rules file.

For details about the rule groups namespace structure, see RuleGroupsNamespaceData.

Type: Base64-encoded binary data object

Required: Yes

name

The name for the new rule groups namespace.

Type: String

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

tags

The list of tag keys and values to associate with the rule groups namespace.

Type: String to string map

Map Entries: Minimum number of 0 items. 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/1.1 202
Content-type: application/json

{
   "arn": "string",
   "name": "string",
   "status": {
      "statusCode": "string",
      "statusReason": "string"
   },
   "tags": {
      "string" : "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.

arn

The Amazon Resource Name (ARN) of the new rule groups namespace.

Type: String

name

The name of the new rule groups namespace.

Type: String

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

status

A structure that returns the current status of the rule groups namespace.

Type: RuleGroupsNamespaceStatus object

tags

The list of tag keys and values that are associated with the namespace.

Type: String to string map

Map Entries: Minimum number of 0 items. 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}_.:/=+\-@]*)`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

Completing the request would cause a service quota to be exceeded.

message

Description of the error.

quotaCode

Service quotas code of the originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

CreateScraper

Creates a scraper to collect metrics from Prometheus-compatible sources. The scraper sends the collected metrics to Amazon Managed Service for Prometheus workspaces or CloudWatch datasets. You can configure scrapers to collect metrics from Amazon EKS clusters, Amazon MSK clusters, or from VPC-based sources that support DNS-based service discovery. Scrapers are flexible. You can configure a scraper to control which metrics to collect, the frequency of collection, which transformations to apply to the metrics, and more.

An IAM role will be created for you that Amazon Managed Service for Prometheus uses to access the metrics in your source. You must configure this role with a policy that allows it to scrape metrics from your source. For Amazon EKS sources, see Configuring your Amazon EKS cluster in the *Amazon Managed Service for Prometheus User Guide*. For a Kafka exporter, grant this role access with a cluster policy on the Amazon MSK cluster instead. For details, see `KafkaExporterConfiguration`.

The `scrapeConfiguration` parameter contains the base-64 encoded YAML configuration for the scraper.

When creating a scraper, the service creates a `Network Interface` in each **Availability Zone** that are passed into `CreateScraper` through subnets. These network interfaces are used to connect to your source within the VPC for scraping metrics.

> **Note**
>
> For more information about collectors, including what metrics are collected, and how to configure the scraper, see Using an AWS managed collector in the *Amazon Managed Service for Prometheus User Guide*.

Request Syntax

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

{
   "alias": "string",
   "clientToken": "string",
   "destination": { ... },
```

```
   "exporters": [
      { ... }
   ],
   "roleConfiguration": {
      "sourceRoleArn": "string",
      "targetRoleArn": "string"
   },
   "scrapeConfiguration": { ... },
   "source": { ... },
   "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.

alias

(optional) An alias to associate with the scraper. This is for your use, and does not need to be unique.

Type: String

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: No

clientToken

(Optional) A unique, case-sensitive identifier that you can provide to ensure the idempotency of the request.

Type: String

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

Pattern: [!-~]+

Required: No

destination

The destination where the scraper sends the collected metrics. Valid destinations are Amazon Managed Service for Prometheus workspaces and CloudWatch datasets.

Type: Destination object

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

Required: Yes

exporters

The exporter configurations for the scraper. You can configure at most one exporter, for either an Amazon OpenSearch Service domain or an Amazon MSK cluster. If you don't specify a value, the scraper is created without an exporter configuration.

Type: Array of ExporterConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Required: No

roleConfiguration

Use this structure to enable cross-account access, so that you can use a target account to access Prometheus metrics from source accounts.

Type: RoleConfiguration object

Required: No

scrapeConfiguration

The configuration file to use in the new scraper. For more information, see Scraper configuration in the *Amazon Managed Service for Prometheus User Guide*.

Type: ScrapeConfiguration object

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

Required: Yes

source

The Amazon EKS or AWS cluster from which the scraper will collect metrics.

Type: Source object

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

Required: Yes

tags

(Optional) The list of tag keys and values to associate with the scraper.

Type: String to string map

Map Entries: Minimum number of 0 items. 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/1.1 202
Content-type: application/json

{
   "arn": "string",
   "scraperId": "string",
   "status": {
      "statusCode": "string"
   },
   "tags": {
      "string" : "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.

arn

The Amazon Resource Name (ARN) of the new scraper.

Type: String

scraperId

The ID of the new scraper.

Type: String

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

status

A structure that displays the current status of the scraper.

Type: ScraperStatus object

tags

The list of tag keys and values that are associated with the scraper.

Type: String to string map

Map Entries: Minimum number of 0 items. 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}_.:/=+\-@]*)`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

Completing the request would cause a service quota to be exceeded.

message

Description of the error.

quotaCode

Service quotas code of the originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

CreateWorkspace

Creates a Prometheus workspace. A workspace is a logical space dedicated to the storage and querying of Prometheus metrics. You can have one or more workspaces in each Region in your account.

Request Syntax

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

{
   "alias": "string",
   "clientToken": "string",
   "kmsKeyArn": "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.

alias

An alias that you assign to this workspace to help you identify it. It does not need to be unique.

Blank spaces at the beginning or end of the alias that you specify will be trimmed from the value used.

Type: String

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

Required: No

clientToken

A unique identifier that you can provide to ensure the idempotency of the request. Case-sensitive.

Type: String

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

Pattern: `[!-~]+`

Required: No

kmsKeyArn

(optional) The ARN for a customer managed AWS KMS key to use for encrypting data within your workspace. For more information about using your own key in your workspace, see Encryption at rest in the *Amazon Managed Service for Prometheus User Guide*.

Type: String

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

Pattern: `arn:aws[-a-z]*:kms:[-a-z0-9]+:[0-9]{12}:key/[-a-f0-9]+`

Required: No

tags

The list of tag keys and values to associate with the workspace.

Type: String to string map

Map Entries: Minimum number of 0 items. 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/1.1 202
Content-type: application/json

{
   "arn": "string",
   "kmsKeyArn": "string",
   "status": {
      "statusCode": "string"
   },
   "tags": {
      "string" : "string"
   },
   "workspaceId": "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.

arn

The ARN for the new workspace.

Type: String

Pattern: `arn:aws[-a-z]*:aps:[-a-z0-9]+:[0-9]{12}:workspace/.+`

kmsKeyArn

(optional) If the workspace was created with a customer managed AWS KMS key, the ARN for the key used.

Type: String

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

Pattern: `arn:aws[-a-z]*:kms:[-a-z0-9]+:[0-9]{12}:key/[-a-f0-9]+`

status

The current status of the new workspace. Immediately after you create the workspace, the status is usually `CREATING`.

Type: WorkspaceStatus object

tags

The list of tag keys and values that are associated with the workspace.

Type: String to string map

Map Entries: Minimum number of 0 items. 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}_.:/=+\-@]*)`

workspaceId

The unique ID for the new workspace.

Type: String

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ServiceQuotaExceededException

Completing the request would cause a service quota to be exceeded.

message

Description of the error.

quotaCode

Service quotas code of the originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DeleteAlertManagerDefinition

Deletes the alert manager definition from a workspace.

Request Syntax

```
DELETE /workspaces/workspaceId/alertmanager/definition?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A unique identifier that you can provide to ensure the idempotency of the request. Case-sensitive.

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

Pattern: `[!-~]+`

workspaceId

The ID of the workspace to delete the alert manager definition from.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DeleteAnomalyDetector

Removes an anomaly detector from a workspace. This operation is idempotent.

Request Syntax

```
DELETE /workspaces/workspaceId/anomalydetectors/anomalyDetectorId?
clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

anomalyDetectorId

The identifier of the anomaly detector to delete.

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

Pattern: `ad-[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

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

Pattern: `[!-~]+`

workspaceId

The identifier of the workspace containing the anomaly detector to delete.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DeleteLoggingConfiguration

Deletes the rules and alerting logging configuration for a workspace.

> **Note**
>
> These logging configurations are only for rules and alerting logs.

Request Syntax

```
DELETE /workspaces/workspaceId/logging?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A unique identifier that you can provide to ensure the idempotency of the request. Case-sensitive.

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

Pattern: `[!-~]+`

workspaceId

The ID of the workspace containing the logging configuration to delete.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DeleteQueryLoggingConfiguration

Deletes the query logging configuration for the specified workspace.

Request Syntax

```
DELETE /workspaces/workspaceId/logging/query?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

(Optional) A unique, case-sensitive identifier that you can provide to ensure the idempotency of the request.

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

Pattern: `[!-~]+`

workspaceId

The ID of the workspace from which to delete the query logging configuration.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DeleteResourcePolicy

Deletes the resource-based policy attached to an Amazon Managed Service for Prometheus workspace.

Request Syntax

```
DELETE /workspaces/workspaceId/policy?clientToken=clientToken&revisionId=revisionId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A unique, case-sensitive identifier that you provide to ensure the request is safe to retry (idempotent).

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

Pattern: `[!-~]+`

revisionId

The revision ID of the policy to delete. Use this parameter to ensure that you are deleting the correct version of the policy.

workspaceId

The ID of the workspace from which to delete the resource-based policy.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DeleteRuleGroupsNamespace

Deletes one rule groups namespace and its associated rule groups definition.

Request Syntax

```
DELETE /workspaces/workspaceId/rulegroupsnamespaces/name?clientToken=clientToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A unique identifier that you can provide to ensure the idempotency of the request. Case-sensitive.

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

Pattern: `[!-~]+`

name

The name of the rule groups namespace to delete.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

workspaceId

The ID of the workspace containing the rule groups namespace and definition to delete.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DeleteScraper

The `DeleteScraper` operation deletes one scraper, and stops any metrics collection that the scraper performs.

Request Syntax

```
DELETE /scrapers/scraperId?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

(Optional) A unique, case-sensitive identifier that you can provide to ensure the idempotency of the request.

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

Pattern: `[!-~]+`

scraperId

The ID of the scraper to delete.

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{
   "scraperId": "string",
   "status": {
      "statusCode": "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.

scraperId

The ID of the scraper to delete.

Type: String

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

status

The current status of the scraper.

Type: ScraperStatus object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DeleteScraperLoggingConfiguration

Deletes the logging configuration for a Amazon Managed Service for Prometheus scraper.

Request Syntax

```
DELETE /scrapers/scraperId/logging-configuration?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A unique, case-sensitive identifier that you provide to ensure the request is processed exactly once.

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

Pattern: `[!-~]+`

scraperId

The ID of the scraper whose logging configuration will be deleted.

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DeleteWorkspace

Deletes an existing workspace.

> **Note**
>
> When you delete a workspace, the data that has been ingested into it is not immediately deleted. It will be permanently deleted within one month.

Request Syntax

```
DELETE /workspaces/workspaceId?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

A unique identifier that you can provide to ensure the idempotency of the request. Case-sensitive.

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

Pattern: `[!-~]+`

workspaceId

The ID of the workspace to delete.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
```

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DescribeAlertManagerDefinition

Retrieves the full information about the alert manager definition for a workspace.

Request Syntax

```
GET /workspaces/workspaceId/alertmanager/definition HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace to retrieve the alert manager definition from.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "alertManagerDefinition": {
      "createdAt": number,
      "data": blob,
      "modifiedAt": number,
      "status": {
         "statusCode": "string",
         "statusReason": "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.

alertManagerDefinition

The alert manager definition.

Type: AlertManagerDefinitionDescription object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DescribeAnomalyDetector

Retrieves detailed information about a specific anomaly detector, including its status and configuration.

Request Syntax

```
GET /workspaces/workspaceId/anomalydetectors/anomalyDetectorId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

anomalyDetectorId

The identifier of the anomaly detector to describe.

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

Pattern: `ad-[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

workspaceId

The identifier of the workspace containing the anomaly detector.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{
   "anomalyDetector": {
      "alias": "string",
      "anomalyDetectorId": "string",
      "arn": "string",
      "configuration": { ... },
      "createdAt": number,
      "evaluationIntervalInSeconds": number,
      "labels": {
         "string" : "string"
      },
      "missingDataAction": { ... },
      "modifiedAt": number,
      "status": {
         "statusCode": "string",
         "statusReason": "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.

anomalyDetector

The detailed information about the anomaly detector.

Type: AnomalyDetectorDescription object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DescribeLoggingConfiguration

Returns complete information about the current rules and alerting logging configuration of the workspace.

> **Note**
>
> These logging configurations are only for rules and alerting logs.

Request Syntax

```
GET /workspaces/workspaceId/logging HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace to describe the logging configuration for.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "loggingConfiguration": {
```

```
      "createdAt": number,
      "logGroupArn": "string",
      "modifiedAt": number,
      "status": {
         "statusCode": "string",
         "statusReason": "string"
      },
      "workspace": "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.

loggingConfiguration

A structure that displays the information about the logging configuration.

Type: LoggingConfigurationMetadata object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DescribeQueryLoggingConfiguration

Retrieves the details of the query logging configuration for the specified workspace.

Request Syntax

```
GET /workspaces/workspaceId/logging/query HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace for which to retrieve the query logging configuration.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "queryLoggingConfiguration": {
      "createdAt": number,
      "destinations": [
         {
            "cloudWatchLogs": {
               "logGroupArn": "string"
            },
            "filters": {
               "qspThreshold": number
```

```
            }
         }
      ],
      "modifiedAt": number,
      "status": {
         "statusCode": "string",
         "statusReason": "string"
      },
      "workspace": "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.

queryLoggingConfiguration

The detailed information about the query logging configuration for the specified workspace.

Type: QueryLoggingConfigurationMetadata object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DescribeResourcePolicy

Returns information about the resource-based policy attached to an Amazon Managed Service for Prometheus workspace.

Request Syntax

```
GET /workspaces/workspaceId/policy HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace to describe the resource-based policy for.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "policyDocument": "string",
   "policyStatus": "string",
   "revisionId": "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.

policyDocument

The JSON policy document for the resource-based policy attached to the workspace.

Type: String

policyStatus

The current status of the resource-based policy.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING`

revisionId

The revision ID of the current resource-based policy.

Type: String

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DescribeRuleGroupsNamespace

Returns complete information about one rule groups namespace. To retrieve a list of rule groups namespaces, use `ListRuleGroupsNamespaces`.

Request Syntax

```
GET /workspaces/workspaceId/rulegroupsnamespaces/name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

name

The name of the rule groups namespace that you want information for.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

workspaceId

The ID of the workspace containing the rule groups namespace.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{
   "ruleGroupsNamespace": {
      "arn": "string",
      "createdAt": number,
      "data": blob,
      "modifiedAt": number,
      "name": "string",
      "status": {
         "statusCode": "string",
         "statusReason": "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.

ruleGroupsNamespace

The information about the rule groups namespace.

Type: RuleGroupsNamespaceDescription object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DescribeScraper

The `DescribeScraper` operation displays information about an existing scraper.

Request Syntax

```
GET /scrapers/scraperId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

scraperId

The ID of the scraper to describe.

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "scraper": {
      "alias": "string",
      "arn": "string",
      "createdAt": number,
      "destination": { ... },
      "exporters": [
         { ... }
      ],
      "lastModifiedAt": number,
```

```
      "roleArn": "string",
      "roleConfiguration": {
         "sourceRoleArn": "string",
         "targetRoleArn": "string"
      },
      "scrapeConfiguration": { ... },
      "scraperId": "string",
      "source": { ... },
      "status": {
         "statusCode": "string"
      },
      "statusReason": "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.

scraper

Contains details about the scraper.

Type: ScraperDescription object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DescribeScraperLoggingConfiguration

Describes the logging configuration for a Amazon Managed Service for Prometheus scraper.

Request Syntax

```
GET /scrapers/scraperId/logging-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

scraperId

The ID of the scraper whose logging configuration will be described.

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "loggingDestination": { ... },
   "modifiedAt": number,
   "scraperComponents": [
      {
         "config": {
            "options": {
               "string" : "string"
            }
```

```
         },
         "type": "string"
      }
   ],
   "scraperId": "string",
   "status": {
      "statusCode": "string",
      "statusReason": "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.

loggingDestination

The destination where scraper logs are sent.

Type: ScraperLoggingDestination object

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

modifiedAt

The date and time when the logging configuration was last modified.

Type: Timestamp

scraperComponents

The list of scraper components configured for logging.

Type: Array of ScraperComponent objects

Array Members: Minimum number of 1 item.

scraperId

The ID of the scraper.

Type: String

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

status

The status of the scraper logging configuration.

Type: ScraperLoggingConfigurationStatus object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DescribeWorkspace

Returns information about an existing workspace.

Request Syntax

```
GET /workspaces/workspaceId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace to describe.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "workspace": {
      "alias": "string",
      "arn": "string",
      "createdAt": number,
      "kmsKeyArn": "string",
      "prometheusEndpoint": "string",
      "status": {
         "statusCode": "string"
```

```
      },
      "tags": {
         "string" : "string"
      },
      "workspaceId": "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.

workspace

A structure that contains details about the workspace.

Type: WorkspaceDescription object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

DescribeWorkspaceConfiguration

Use this operation to return information about the configuration of a workspace. The configuration details returned include workspace configuration status, label set limits, and retention period.

Request Syntax

```
GET /workspaces/workspaceId/configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace that you want to retrieve information for. To find the IDs of your workspaces, use the ListWorkspaces operation.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "workspaceConfiguration": {
      "limitsPerLabelSet": [
         {
            "labelSet": {
               "string" : "string"
            },
```

```
            "limits": {
               "maxSeries": number
            }
         }
      ],
      "outOfOrderTimeWindowInSeconds": number,
      "retentionPeriodInDays": number,
      "ruleQueryOffsetInSeconds": number,
      "status": {
         "statusCode": "string",
         "statusReason": "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.

workspaceConfiguration

This structure contains the information about the workspace configuration.

Type: WorkspaceConfigurationDescription object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

GetDefaultScraperConfiguration

The `GetDefaultScraperConfiguration` operation returns the default scraper configuration used when Amazon EKS creates a scraper for you.

Request Syntax

```
GET /scraperconfiguration 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

{
   "configuration": blob
}
```

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.

configuration

The configuration file. Base 64 encoded. For more information, see Scraper configurationin the *Amazon Managed Service for Prometheus User Guide*.

Type: Base64-encoded binary data object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

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

ListAnomalyDetectors

Returns a paginated list of anomaly detectors for a workspace with optional filtering by alias.

Request Syntax

```
GET /workspaces/workspaceId/anomalydetectors?
alias=alias&maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

alias

Filters the results to anomaly detectors with the specified alias.

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

maxResults

The maximum number of results to return in a single call. Valid range is 1 to 1000.

Valid Range: Minimum value of 1. Maximum value of 1000.

nextToken

The pagination token to continue retrieving results.

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

workspaceId

The identifier of the workspace containing the anomaly detectors to list.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "anomalyDetectors": [
      {
         "alias": "string",
         "anomalyDetectorId": "string",
         "arn": "string",
         "createdAt": number,
         "modifiedAt": number,
         "status": {
            "statusCode": "string",
            "statusReason": "string"
         },
         "tags": {
            "string" : "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.

anomalyDetectors

The list of anomaly detectors in the workspace.

Type: Array of AnomalyDetectorSummary objects

nextToken

The pagination token to retrieve the next set of results.

Type: String

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

ListRuleGroupsNamespaces

Returns a list of rule groups namespaces in a workspace.

Request Syntax

```
GET /workspaces/workspaceId/rulegroupsnamespaces?
maxResults=maxResults&name=name&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return. The default is 100.

Valid Range: Minimum value of 1. Maximum value of 1000.

name

Use this parameter to filter the rule groups namespaces that are returned. Only the namespaces with names that begin with the value that you specify are returned.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

nextToken

The token for the next set of items to return. You receive this token from a previous call, and use it to get the next page of results. The other parameters must be the same as the initial call.

For example, if your initial request has `maxResults` of 10, and there are 12 rule groups namespaces to return, then your initial request will return 10 and a `nextToken`. Using the next token in a subsequent call will return the remaining 2 namespaces.

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

workspaceId

The ID of the workspace containing the rule groups namespaces.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "nextToken": "string",
   "ruleGroupsNamespaces": [
      {
         "arn": "string",
         "createdAt": number,
         "modifiedAt": number,
         "name": "string",
         "status": {
            "statusCode": "string",
            "statusReason": "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 indicating that there are more results to retrieve. You can use this token as part of your next `ListRuleGroupsNamespaces` request to retrieve those results.

Type: String

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

ruleGroupsNamespaces

The returned list of rule groups namespaces.

Type: Array of RuleGroupsNamespaceSummary objects

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

ListScrapers

The `ListScrapers` operation lists all of the scrapers in your account. This includes scrapers being created or deleted. You can optionally filter the returned list.

Request Syntax

```
GET /scrapers?filters&maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

filters

(Optional) A list of key-value pairs to filter the list of scrapers returned. Keys include `status`, `sourceArn`, `destinationArn`, and `alias`.

Filters on the same key are OR'd together, and filters on different keys are AND'd together. For example, `status=ACTIVE&status=CREATING&alias=Test`, will return all scrapers that have the alias Test, and are either in status ACTIVE or CREATING.

To find all active scrapers that are sending metrics to a specific Amazon Managed Service for Prometheus workspace, you would use the ARN of the workspace in a query:

`status=ACTIVE&destinationArn=arn:aws:aps:us-east-1:123456789012:workspace/ws-example1-1234-abcd-56ef-123456789012`

If this is included, it filters the results to only the scrapers that match the filter.

Map Entries: Maximum number of 4 items.

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

Array Members: Minimum number of 1 item. Maximum number of 20 items.

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

maxResults

Optional) The maximum number of scrapers to return in one `ListScrapers` operation. The range is 1-1000.

If you omit this parameter, the default of 100 is used.

Valid Range: Minimum value of 1. Maximum value of 1000.

nextToken

(Optional) The token for the next set of items to return. (You received this token from a previous call.)

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

Request Body

The request does not have a request body.

Response Syntax

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

{
   "nextToken": "string",
   "scrapers": [
      {
         "alias": "string",
         "arn": "string",
         "createdAt": number,
         "destination": { ... },
         "exporters": [
            { ... }
         ],
         "lastModifiedAt": number,
         "roleArn": "string",
         "roleConfiguration": {
            "sourceRoleArn": "string",
            "targetRoleArn": "string"
         },
         "scraperId": "string",
         "source": { ... },
         "status": {
            "statusCode": "string"
         },
         "statusReason": "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 indicating that there are more results to retrieve. You can use this token as part of your next `ListScrapers` operation to retrieve those results.

Type: String

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

scrapers

A list of `ScraperSummary` structures giving information about scrapers in the account that match the filters provided.

Type: Array of ScraperSummary objects

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

The `ListTagsForResource` operation returns the tags that are associated with an Amazon Managed Service for Prometheus resource. Currently, the only resources that can be tagged are scrapers, workspaces, and rule groups namespaces.

Request Syntax

```
GET /tags/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource to list tages for. Must be a workspace, scraper, or rule groups namespace resource.

Required: Yes

Request Body

The request does not have a request body.

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 tag keys and values associated with the resource.

Type: String to string map

Map Entries: Minimum number of 0 items. 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}_.:/=+\-@]*)`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

ListWorkspaces

Lists all of the Amazon Managed Service for Prometheus workspaces in your account. This includes workspaces being created or deleted.

Request Syntax

```
GET /workspaces?alias=alias&maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

alias

If this is included, it filters the results to only the workspaces with names that start with the value that you specify here.

Amazon Managed Service for Prometheus will automatically strip any blank spaces from the beginning and end of the alias that you specify.

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

maxResults

The maximum number of workspaces to return per request. The default is 100.

Valid Range: Minimum value of 1. Maximum value of 1000.

nextToken

The token for the next set of items to return. You receive this token from a previous call, and use it to get the next page of results. The other parameters must be the same as the initial call.

For example, if your initial request has `maxResults` of 10, and there are 12 workspaces to return, then your initial request will return 10 and a `nextToken`. Using the next token in a subsequent call will return the remaining 2 workspaces.

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

Request Body

The request does not have a request body.

Response Syntax

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

{
   "nextToken": "string",
   "workspaces": [
      {
         "alias": "string",
         "arn": "string",
         "createdAt": number,
         "kmsKeyArn": "string",
         "status": {
            "statusCode": "string"
         },
         "tags": {
            "string" : "string"
         },
         "workspaceId": "string"
      }
   ]
}
```

Response Elements

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

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

nextToken

A token indicating that there are more results to retrieve. You can use this token as part of your next `ListWorkspaces` request to retrieve those results.

Type: String

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

workspaces

An array of `WorkspaceSummary` structures containing information about the workspaces requested.

Type: Array of WorkspaceSummary objects

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

PutAlertManagerDefinition

Updates an existing alert manager definition in a workspace. If the workspace does not already have an alert manager definition, don't use this operation to create it. Instead, use `CreateAlertManagerDefinition`.

Request Syntax

```
PUT /workspaces/workspaceId/alertmanager/definition HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "data": blob
}
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace to update the alert manager definition in.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique identifier that you can provide to ensure the idempotency of the request. Case-sensitive.

Type: String

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

Pattern: `[!-~]+`

Required: No

data

The alert manager definition to use. A base64-encoded version of the YAML alert manager definition file.

For details about the alert manager definition, see AlertManagedDefinitionData.

Type: Base64-encoded binary data object

Required: Yes

Response Syntax

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

{
   "status": {
      "statusCode": "string",
      "statusReason": "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

A structure that returns the current status of the alert manager definition.

Type: AlertManagerDefinitionStatus object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

Completing the request would cause a service quota to be exceeded.

message

Description of the error.

quotaCode

Service quotas code of the originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

PutAnomalyDetector

When you call `PutAnomalyDetector`, the operation creates a new anomaly detector if one doesn't exist, or updates an existing one. Each call to this operation triggers a complete retraining of the detector, which includes querying the minimum required samples and backfilling the detector with historical data. This process occurs regardless of whether you're making a minor change like updating the evaluation interval or making more substantial modifications. The operation serves as the single method for creating, updating, and retraining anomaly detectors.

Request Syntax

```
PUT /workspaces/workspaceId/anomalydetectors/anomalyDetectorId HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "configuration": { ... },
   "evaluationIntervalInSeconds": number,
   "labels": {
      "string" : "string"
   },
   "missingDataAction": { ... }
}
```

URI Request Parameters

The request uses the following URI parameters.

anomalyDetectorId

The identifier of the anomaly detector to update.

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

Pattern: `ad-[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

workspaceId

The identifier of the workspace containing the anomaly detector to update.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

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

Pattern: `[!-~]+`

Required: No

configuration

The algorithm configuration for the anomaly detector.

Type: AnomalyDetectorConfiguration object

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

Required: Yes

evaluationIntervalInSeconds

The frequency, in seconds, at which the anomaly detector evaluates metrics.

Type: Integer

Valid Range: Minimum value of 30. Maximum value of 86400.

Required: No

labels

The Amazon Managed Service for Prometheus metric labels to associate with the anomaly detector.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 7168.

Key Pattern: `(?!__)[a-zA-Z_][a-zA-Z0-9_]*`

Value Length Constraints: Minimum length of 1. Maximum length of 7168.

Required: No

missingDataAction

Specifies the action to take when data is missing during evaluation.

Type: AnomalyDetectorMissingDataAction object

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

Required: No

Response Syntax

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

{
   "anomalyDetectorId": "string",
   "arn": "string",
   "status": {
      "statusCode": "string",
      "statusReason": "string"
   },
   "tags": {
      "string" : "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.

anomalyDetectorId

The unique identifier of the updated anomaly detector.

Type: String

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

Pattern: `ad-[0-9A-Za-z][-.0-9A-Z_a-z]*`

arn

The Amazon Resource Name (ARN) of the updated anomaly detector.

Type: String

Pattern: `arn:aws[-a-z]*:aps:[-a-z0-9]+:[0-9]{12}:anomalydetector/ws-.+/ad-.+`

status

The status information of the updated anomaly detector.

Type: AnomalyDetectorStatus object

tags

The tags applied to the updated anomaly detector.

Type: String to string map

Map Entries: Minimum number of 0 items. 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}_.:/=+\-@]*)`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ServiceQuotaExceededException

Completing the request would cause a service quota to be exceeded.

message

Description of the error.

quotaCode

Service quotas code of the originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

PutResourcePolicy

Creates or updates a resource-based policy for an Amazon Managed Service for Prometheus workspace. Use resource-based policies to grant permissions to other AWS accounts or services to access your workspace.

Only Prometheus-compatible APIs can be used for workspace sharing. You can add non-Prometheus-compatible APIs to the policy, but they will be ignored. For more information, see Prometheus-compatible APIs in the *Amazon Managed Service for Prometheus User Guide*.

If your workspace uses customer-managed KMS keys for encryption, you must grant the principals in your resource-based policy access to those KMS keys. You can do this by creating KMS grants. For more information, see CreateGrant in the *AWS Key Management Service API Reference* and Encryption at rest in the *Amazon Managed Service for Prometheus User Guide*.

For more information about working with IAM, see Using Amazon Managed Service for Prometheus with IAM in the *Amazon Managed Service for Prometheus User Guide*.

Request Syntax

```
PUT /workspaces/workspaceId/policy HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "policyDocument": "string",
   "revisionId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace to attach the resource-based policy to.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the request is safe to retry (idempotent).

Type: String

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

Pattern: `[!-~]+`

Required: No

policyDocument

The JSON policy document to use as the resource-based policy. This policy defines the permissions that other AWS accounts or services have to access your workspace.

Type: String

Required: Yes

revisionId

The revision ID of the policy to update. Use this parameter to ensure that you are updating the correct version of the policy. If you don't specify a revision ID, the policy is updated regardless of its current revision.

For the first **PUT** request on a workspace that doesn't have an existing resource policy, you can specify `NO_POLICY` as the revision ID.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 202
```

```
Content-type: application/json

{
   "policyStatus": "string",
   "revisionId": "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.

policyStatus

The current status of the resource-based policy.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING`

revisionId

The revision ID of the newly created or updated resource-based policy.

Type: String

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

PutRuleGroupsNamespace

Updates an existing rule groups namespace within a workspace. A rule groups namespace is associated with exactly one rules file. A workspace can have multiple rule groups namespaces.

> **Important**
>
> The combined length of a rule group namespace and a rule group name cannot exceed 721 UTF-8 bytes.

Use this operation only to update existing rule groups namespaces. To create a new rule groups namespace, use `CreateRuleGroupsNamespace`.

You can't use this operation to add tags to an existing rule groups namespace. Instead, use `TagResource`.

Request Syntax

```
PUT /workspaces/workspaceId/rulegroupsnamespaces/name HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "data": blob
}
```

URI Request Parameters

The request uses the following URI parameters.

name

The name of the rule groups namespace that you are updating.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

workspaceId

The ID of the workspace where you are updating the rule groups namespace.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique identifier that you can provide to ensure the idempotency of the request. Case-sensitive.

Type: String

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

Pattern: `[!-~]+`

Required: No

data

The new rules file to use in the namespace. A base64-encoded version of the YAML rule groups file.

For details about the rule groups namespace structure, see RuleGroupsNamespaceData.

Type: Base64-encoded binary data object

Required: Yes

Response Syntax

```
HTTP/1.1 202
```

```
Content-type: application/json

{
   "arn": "string",
   "name": "string",
   "status": {
      "statusCode": "string",
      "statusReason": "string"
   },
   "tags": {
      "string" : "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.

arn

The ARN of the rule groups namespace.

Type: String

name

The name of the rule groups namespace that was updated.

Type: String

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

status

A structure that includes the current status of the rule groups namespace.

Type: RuleGroupsNamespaceStatus object

tags

The list of tag keys and values that are associated with the namespace.

Type: String to string map

Map Entries: Minimum number of 0 items. 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}_.:/=+\-@]*)`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

Completing the request would cause a service quota to be exceeded.

message

Description of the error.

quotaCode

Service quotas code of the originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

The `TagResource` operation associates tags with an Amazon Managed Service for Prometheus resource. The only resources that can be tagged are rule groups namespaces, scrapers, and workspaces.

If you specify a new tag key for the resource, this tag is appended to the list of tags associated with the resource. If you specify a tag key that is already associated with the resource, the new tag value that you specify replaces the previous value for that tag. To remove a tag, use `UntagResource`.

Request Syntax

```
POST /tags/resourceArn HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource to apply tags to.

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

The list of tag keys and values to associate with the resource.

Keys must not begin with `aws:`.

Type: String to string map

Map Entries: Minimum number of 0 items. 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

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

UntagResource

Removes the specified tags from an Amazon Managed Service for Prometheus resource. The only resources that can be tagged are rule groups namespaces, scrapers, and workspaces.

Request Syntax

```
DELETE /tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource from which to remove a tag.

Required: Yes

tagKeys

The keys of the tags to remove.

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

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

UpdateLoggingConfiguration

Updates the log group ARN or the workspace ID of the current rules and alerting logging configuration.

> **Note**
>
> These logging configurations are only for rules and alerting logs.

Request Syntax

```
PUT /workspaces/workspaceId/logging HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "logGroupArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace to update the logging configuration for.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique identifier that you can provide to ensure the idempotency of the request. Case-sensitive.

Type: String

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

Pattern: `[!-~]+`

Required: No

logGroupArn

The ARN of the CloudWatch log group to which the vended log data will be published.

Type: String

Pattern: `arn:aws[a-z0-9-]*:logs:[a-z0-9-]+:[0-9]{12}:log-group:[A-Za-z0-9\.\-\_\#/]{1,512}\:\*`

Required: Yes

Response Syntax

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

{
   "status": {
      "statusCode": "string",
      "statusReason": "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

A structure that contains the current status of the logging configuration.

Type: LoggingConfigurationStatus object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

UpdateQueryLoggingConfiguration

Updates the query logging configuration for the specified workspace.

Request Syntax

```
PUT /workspaces/workspaceId/logging/query HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "destinations": [
      {
         "cloudWatchLogs": {
            "logGroupArn": "string"
         },
         "filters": {
            "qspThreshold": number
         }
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace for which to update the query logging configuration.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

(Optional) A unique, case-sensitive identifier that you can provide to ensure the idempotency of the request.

Type: String

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

Pattern: `[!-~]+`

Required: No

destinations

The destinations where query logs will be sent. Only CloudWatch Logs destination is supported. The list must contain exactly one element.

Type: Array of LoggingDestination objects

Array Members: Fixed number of 1 item.

Required: Yes

Response Syntax

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

{
   "status": {
      "statusCode": "string",
      "statusReason": "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 current status of the query logging configuration.

Type: QueryLoggingConfigurationStatus object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

UpdateScraper

Updates an existing scraper.

You can't use this function to update the source from which the scraper is collecting metrics. To change the source, delete the scraper and create a new one.

Request Syntax

```
PUT /scrapers/scraperId HTTP/1.1
Content-type: application/json

{
   "alias": "string",
   "clientToken": "string",
   "destination": { ... },
   "exporters": [
      { ... }
   ],
   "roleConfiguration": {
      "sourceRoleArn": "string",
      "targetRoleArn": "string"
   },
   "scrapeConfiguration": { ... }
}
```

URI Request Parameters

The request uses the following URI parameters.

scraperId

The ID of the scraper to update.

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

alias

The new alias of the scraper.

Type: String

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: No

clientToken

A unique identifier that you can provide to ensure the idempotency of the request. Case-sensitive.

Type: String

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

Pattern: `[!-~]+`

Required: No

destination

The new destination where the scraper sends metrics. Valid destinations are Amazon Managed Service for Prometheus workspaces and CloudWatch datasets.

Type: Destination object

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

Required: No

exporters

The exporter configurations for the scraper. You can configure at most one exporter, for either an Amazon OpenSearch Service domain or an Amazon MSK cluster. If you don't specify a value,

the existing exporter configuration remains unchanged. Specify an empty list to remove the exporter.

Type: Array of ExporterConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Required: No

roleConfiguration

Use this structure to enable cross-account access, so that you can use a target account to access Prometheus metrics from source accounts.

Type: RoleConfiguration object

Required: No

scrapeConfiguration

Contains the base-64 encoded YAML configuration for the scraper.

> **Note**
>
> For more information about configuring a scraper, see Using an AWS managed collector in the *Amazon Managed Service for Prometheus User Guide*.

Type: ScrapeConfiguration object

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

Required: No

Response Syntax

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

{
   "arn": "string",
   "scraperId": "string",
   "status": {
```

```
      "statusCode": "string"
   },
   "tags": {
      "string" : "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.

arn

The Amazon Resource Name (ARN) of the updated scraper.

Type: String

scraperId

The ID of the updated scraper.

Type: String

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

status

A structure that displays the current status of the scraper.

Type: ScraperStatus object

tags

The list of tag keys and values that are associated with the scraper.

Type: String to string map

Map Entries: Minimum number of 0 items. 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}_.:/=+\-@]*)`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

Completing the request would cause a service quota to be exceeded.

message

Description of the error.

quotaCode

Service quotas code of the originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

UpdateScraperLoggingConfiguration

Updates the logging configuration for a Amazon Managed Service for Prometheus scraper.

Request Syntax

```
PUT /scrapers/scraperId/logging-configuration HTTP/1.1
Content-type: application/json

{
   "loggingDestination": { ... },
   "scraperComponents": [
      {
         "config": {
            "options": {
               "string" : "string"
            }
         },
         "type": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

scraperId

The ID of the scraper whose logging configuration will be updated.

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

loggingDestination

The destination where scraper logs will be sent.

Type: ScraperLoggingDestination object

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

Required: Yes

scraperComponents

The list of scraper components to configure for logging.

Type: Array of ScraperComponent objects

Array Members: Minimum number of 1 item.

Required: No

Response Syntax

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

{
   "status": {
      "statusCode": "string",
      "statusReason": "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 updated scraper logging configuration.

Type: ScraperLoggingConfigurationStatus object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

UpdateWorkspaceAlias

Updates the alias of an existing workspace.

Request Syntax

```
POST /workspaces/workspaceId/alias HTTP/1.1
Content-type: application/json

{
   "alias": "string",
   "clientToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace to update.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

alias

The new alias for the workspace. It does not need to be unique.

Amazon Managed Service for Prometheus will automatically strip any blank spaces from the beginning and end of the alias that you specify.

Type: String

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

Required: No

clientToken

A unique identifier that you can provide to ensure the idempotency of the request. Case-sensitive.

Type: String

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

Pattern: `[!-~]+`

Required: No

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

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

Completing the request would cause a service quota to be exceeded.

message

Description of the error.

quotaCode

Service quotas code of the originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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

UpdateWorkspaceConfiguration

Use this operation to create or update the label sets, label set limits, and retention period of a workspace.

You must specify at least one of `limitsPerLabelSet` or `retentionPeriodInDays` for the request to be valid.

Request Syntax

```
PATCH /workspaces/workspaceId/configuration HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "limitsPerLabelSet": [
      {
         "labelSet": {
            "string" : "string"
         },
         "limits": {
            "maxSeries": number
         }
      }
   ],
   "outOfOrderTimeWindowInSeconds": number,
   "retentionPeriodInDays": number,
   "ruleQueryOffsetInSeconds": number
}
```

URI Request Parameters

The request uses the following URI parameters.

workspaceId

The ID of the workspace that you want to update. To find the IDs of your workspaces, use the ListWorkspaces operation.

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

You can include a token in your operation to make it an idempotent opeartion.

Type: String

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

Pattern: `[!-~]+`

Required: No

limitsPerLabelSet

This is an array of structures, where each structure defines a label set for the workspace, and defines the active time series limit for each of those label sets. Each label name in a label set must be unique.

Type: Array of LimitsPerLabelSet objects

Required: No

outOfOrderTimeWindowInSeconds

Specifies the time window in seconds for accepting out of order samples. Out of order samples older than this window are rejected.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

retentionPeriodInDays

Specifies how many days that metrics will be retained in the workspace.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

ruleQueryOffsetInSeconds

Specifies the duration in seconds to offset rule evaluation queries into the past. This allows ingested samples to be available before rule evaluation.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

Response Syntax

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

{
   "status": {
      "statusCode": "string",
      "statusReason": "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 workspace configuration.

Type: WorkspaceConfigurationStatus object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

message

Description of the error.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during the processing of the request.

message

Description of the error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

message

Description of the error.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

Completing the request would cause a service quota to be exceeded.

message

Description of the error.

quotaCode

Service quotas code of the originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

message

Description of the error.

quotaCode

Service quotas code for the originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

Service quotas code for the originating service.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The field that caused the error, if applicable.

message

Description of the error.

reason

Reason the request failed validation.

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 Amazon Prometheus 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:

- AlertManagerDefinitionDescription
- AlertManagerDefinitionStatus
- AmpConfiguration
- AnomalyDetectorConfiguration
- AnomalyDetectorDescription
- AnomalyDetectorMissingDataAction
- AnomalyDetectorStatus
- AnomalyDetectorSummary
- CloudWatchConfiguration
- CloudWatchLogDestination
- ComponentConfig
- Destination
- EksConfiguration
- ExporterConfiguration
- IgnoreNearExpected
- KafkaExporterConfiguration
- LimitsPerLabelSet
- LimitsPerLabelSetEntry
- LoggingConfigurationMetadata
- LoggingConfigurationStatus

- LoggingDestination
- LoggingFilter
- OpenSearchExporterConfiguration
- QueryLoggingConfigurationMetadata
- QueryLoggingConfigurationStatus
- RandomCutForestConfiguration
- RoleConfiguration
- RuleGroupsNamespaceDescription
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- RuleGroupsNamespaceSummary
- ScrapeConfiguration
- ScraperComponent
- ScraperDescription
- ScraperLoggingConfigurationStatus
- ScraperLoggingDestination
- ScraperStatus
- ScraperSummary
- Source
- ValidationExceptionField
- VpcConfiguration
- WorkspaceConfigurationDescription
- WorkspaceConfigurationStatus
- WorkspaceDescription
- WorkspaceStatus
- WorkspaceSummary

AlertManagerDefinitionDescription

The details of an alert manager definition. It is the configuration for the alert manager, including information about receivers for routing alerts.

Contents

createdAt

The date and time that the alert manager definition was created.

Type: Timestamp

Required: Yes

data

The actual alert manager definition.

For details about the alert manager definition, see AlertManagedDefinitionData.

Type: Base64-encoded binary data object

Required: Yes

modifiedAt

The date and time that the alert manager definition was most recently changed.

Type: Timestamp

Required: Yes

status

A structure that displays the current status of the alert manager definition..

Type: AlertManagerDefinitionStatus 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

AlertManagerDefinitionStatus

The status of the alert manager.

Contents

statusCode

The current status of the alert manager.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATION_FAILED | UPDATE_FAILED`

Required: Yes

statusReason

If there is a failure, the reason for the failure.

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

AmpConfiguration

The `AmpConfiguration` structure defines the Amazon Managed Service for Prometheus instance a scraper should send metrics to.

Contents

workspaceArn

ARN of the Amazon Managed Service for Prometheus workspace.

Type: String

Pattern: `arn:aws[-a-z]*:aps:[-a-z0-9]+:[0-9]{12}:workspace/.+`

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

AnomalyDetectorConfiguration

The configuration for the anomaly detection algorithm.

Contents

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

randomCutForest

The Random Cut Forest algorithm configuration for anomaly detection.

Type: RandomCutForestConfiguration 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

AnomalyDetectorDescription

Detailed information about an anomaly detector.

Contents

alias

The user-friendly name of the anomaly detector.

Type: String

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

anomalyDetectorId

The unique identifier of the anomaly detector.

Type: String

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

Pattern: `ad-[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

arn

The Amazon Resource Name (ARN) of the anomaly detector.

Type: String

Pattern: `arn:aws[-a-z]*:aps:[-a-z0-9]+:[0-9]{12}:anomalydetector/ws-.+/ad-.+`

Required: Yes

createdAt

The timestamp when the anomaly detector was created.

Type: Timestamp

Required: Yes

modifiedAt

The timestamp when the anomaly detector was last modified.

Type: Timestamp

Required: Yes

status

The current status of the anomaly detector.

Type: AnomalyDetectorStatus object

Required: Yes

configuration

The algorithm configuration of the anomaly detector.

Type: AnomalyDetectorConfiguration object

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

Required: No

evaluationIntervalInSeconds

The frequency, in seconds, at which the anomaly detector evaluates metrics.

Type: Integer

Valid Range: Minimum value of 30. Maximum value of 86400.

Required: No

labels

The Amazon Managed Service for Prometheus metric labels associated with the anomaly detector.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 7168.

Key Pattern: `(?!__)[a-zA-Z_][a-zA-Z0-9_]*`

Value Length Constraints: Minimum length of 1. Maximum length of 7168.

Required: No

missingDataAction

The action taken when data is missing during evaluation.

Type: AnomalyDetectorMissingDataAction object

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

Required: No

tags

The tags applied to the anomaly detector.

Type: String to string map

Map Entries: Minimum number of 0 items. 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

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

AnomalyDetectorMissingDataAction

Specifies the action to take when data is missing during anomaly detection evaluation.

Contents

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

markAsAnomaly

Marks missing data points as anomalies.

Type: Boolean

Required: No

skip

Skips evaluation when data is missing.

Type: Boolean

Required: No

See Also

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

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

AnomalyDetectorStatus

The status information of an anomaly detector.

Contents

statusCode

The status code of the anomaly detector.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATION_FAILED | UPDATE_FAILED | DELETION_FAILED`

Required: Yes

statusReason

A description of the current status of the anomaly detector.

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

AnomalyDetectorSummary

Summary information about an anomaly detector for list operations.

Contents

alias

The user-friendly name of the anomaly detector.

Type: String

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

anomalyDetectorId

The unique identifier of the anomaly detector.

Type: String

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

Pattern: `ad-[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

arn

The Amazon Resource Name (ARN) of the anomaly detector.

Type: String

Pattern: `arn:aws[-a-z]*:aps:[-a-z0-9]+:[0-9]{12}:anomalydetector/ws-.+/ad-.+`

Required: Yes

createdAt

The timestamp when the anomaly detector was created.

Type: Timestamp

Required: Yes

modifiedAt

The timestamp when the anomaly detector was last modified.

Type: Timestamp

Required: Yes

status

The current status of the anomaly detector.

Type: AnomalyDetectorStatus object

Required: Yes

tags

The tags applied to the anomaly detector.

Type: String to string map

Map Entries: Minimum number of 0 items. 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

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

CloudWatchConfiguration

The configuration identifies the CloudWatch dataset used as a scraper destination.

Contents

datasetArn

The Amazon Resource Name (ARN) of the CloudWatch dataset. To use the default dataset, specify `arn:aws:cloudwatch:<region>:<account-id>:dataset/default`.

Type: String

Pattern: `arn:aws[-a-z]*:cloudwatch:[-a-z0-9]+:[0-9]{12}:dataset\/.+`

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

CloudWatchLogDestination

Configuration details for logging to CloudWatch Logs.

Contents

logGroupArn

The ARN of the CloudWatch log group to which the vended log data will be published. This log group must exist prior to calling this operation.

Type: String

Pattern: `arn:aws[a-z0-9-]*:logs:[a-z0-9-]+:[0-9]{12}:log-group:[A-Za-z0-9\.\-\_\#/]{1,512}\:\*`

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

ComponentConfig

Configuration settings for a scraper component.

Contents

options

Configuration options for the scraper component.

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

Destination

Where to send the metrics from a scraper.

Contents

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

ampConfiguration

The Amazon Managed Service for Prometheus workspace to send metrics to.

Type: AmpConfiguration object

Required: No

cloudWatchConfiguration

The CloudWatch dataset to send metrics to.

Type: CloudWatchConfiguration 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

EksConfiguration

The `EksConfiguration` structure describes the connection to the Amazon EKS cluster from which a scraper collects metrics.

Contents

clusterArn

ARN of the Amazon EKS cluster.

Type: String

Pattern: `arn:aws[-a-z]*:eks:[-a-z0-9]+:[0-9]{12}:cluster/.+`

Required: Yes

subnetIds

A list of subnet IDs for the Amazon EKS cluster VPC configuration.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `subnet-[0-9a-z]+`

Required: Yes

securityGroupIds

A list of the security group IDs for the Amazon EKS cluster VPC configuration.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `sg-[0-9a-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

ExporterConfiguration

Contains the configuration for an exporter managed by the scraper.

Contents

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

kafkaConfiguration

The configuration that the scraper uses to collect metrics from an Amazon MSK cluster through a managed Kafka exporter.

Type: KafkaExporterConfiguration object

Required: No

openSearchConfiguration

The configuration that the scraper uses to export metrics to an Amazon OpenSearch Service domain.

Type: OpenSearchExporterConfiguration 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

IgnoreNearExpected

Configuration for threshold settings that determine when values near expected values should be ignored during anomaly detection.

Contents

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

amount

The absolute amount by which values can differ from expected values before being considered anomalous.

Type: Double

Valid Range: Minimum value of 0.

Required: No

ratio

The ratio by which values can differ from expected values before being considered anomalous.

Type: Double

Valid Range: Minimum value of 0.

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

KafkaExporterConfiguration

The configuration for collecting broker, topic, and consumer-group metrics from an Amazon MSK cluster through a managed Kafka exporter. The cluster must be active, have IAM authentication enabled, and be in the same account and Region as the scraper. Provisioned clusters with Standard brokers are supported. MSK Serverless clusters are not supported.

Use a VPC source that can connect to the cluster's IAM bootstrap brokers. The exporter authenticates with the scraper's service-linked role. Metrics can be sent to an Amazon Managed Service for Prometheus workspace or a CloudWatch dataset.

You must have an Amazon MSK cluster policy that grants the scraper's service-linked role access to the cluster. Without this policy, the scraper collects no Kafka metrics. For the required actions and example policies, see Grant the scraper access to the cluster in the *Amazon Managed Service for Prometheus User Guide*.

Contents

clusterArn

The Amazon Resource Name (ARN) of the Amazon MSK cluster.

Type: String

Pattern: `arn:aws[-a-z]*:kafka:[-a-z0-9]+:[0-9]{12}:cluster\/.+`

Required: Yes

consumerGroupFilter

An anchored RE2 regular expression that selects the Kafka consumer groups to monitor. The expression must start with ^ and end with $. If omitted, the default is `^.*$`, which selects all consumer groups.

Type: String

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

Required: No

topicFilter

An anchored RE2 regular expression that selects the Kafka topics to monitor. The expression must start with ^ and end with $. If omitted, the default is `^.*$`, which selects all topics.

Type: String

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

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

LimitsPerLabelSet

This structure defines one label set used to enforce active time series limits for the workspace, and defines the limit for that label set.

A label set is a unique combination of label-value pairs. Use them to control time series limits and to monitor usage by specific label groups. Example label sets might be `team:finance` or `env:prod`

Contents

labelSet

This defines one label set that will have an enforced active time series limit.

Label values accept ASCII characters and must contain at least one character that isn't whitespace. ASCII control characters are not accepted. If the label name is metric name label *__name__*, then the *metric* part of the name must conform to the following pattern: `[a-zA-Z_:][a-zA-Z0-9_:]*`

Type: String to string map

Key Length Constraints: Minimum length of 1.

Key Pattern: `[a-zA-Z_][a-zA-Z0-9_]*`

Value Length Constraints: Minimum length of 1.

Required: Yes

limits

This structure contains the information about the limits that apply to time series that match this label set.

Type: LimitsPerLabelSetEntry 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

LimitsPerLabelSetEntry

This structure contains the information about the limits that apply to time series that match one label set.

Contents

maxSeries

The maximum number of active series that can be ingested that match this label set.

Setting this to 0 causes no label set limit to be enforced, but it does cause Amazon Managed Service for Prometheus to vend label set metrics to CloudWatch

Type: Long

Valid Range: Minimum value of 0.

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

LoggingConfigurationMetadata

Contains information about the current rules and alerting logging configuration for the workspace.

> **Note**
>
> These logging configurations are only for rules and alerting logs.

Contents

createdAt

The date and time that the logging configuration was created.

Type: Timestamp

Required: Yes

logGroupArn

The ARN of the CloudWatch log group to which the vended log data will be published.

Type: String

Pattern: `arn:aws[a-z0-9-]*:logs:[a-z0-9-]+:[0-9]{12}:log-group:[A-Za-z0-9\.\-\_\#/]{1,512}\:\*`

Required: Yes

modifiedAt

The date and time that the logging configuration was most recently changed.

Type: Timestamp

Required: Yes

status

The current status of the logging configuration.

Type: LoggingConfigurationStatus object

Required: Yes

workspace

The ID of the workspace the logging configuration is for.

Type: String

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

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

LoggingConfigurationStatus

The status of the logging configuration.

Contents

statusCode

The current status of the current rules and alerting logging configuration.

> **Note**
>
> These logging configurations are only for rules and alerting logs.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATION_FAILED | UPDATE_FAILED`

Required: Yes

statusReason

If failed, the reason for the failure.

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

LoggingDestination

Defines a destination and its associated filtering criteria for query logging.

Contents

cloudWatchLogs

Configuration details for logging to CloudWatch Logs.

Type: CloudWatchLogDestination object

Required: Yes

filters

Filtering criteria that determine which queries are logged.

Type: LoggingFilter 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

LoggingFilter

Filtering criteria that determine which queries are logged.

Contents

qspThreshold

The Query Samples Processed (QSP) threshold above which queries will be logged. Queries processing more samples than this threshold will be captured in logs.

Type: Long

Valid Range: Minimum value of 0.

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

OpenSearchExporterConfiguration

The configuration for exporting metrics to an Amazon OpenSearch Service domain.

Contents

domainArn

The Amazon Resource Name (ARN) of the Amazon OpenSearch Service domain.

Type: String

Pattern: `arn:aws[-a-z]*:es:[-a-z0-9]+:[0-9]{12}:domain\/.+`

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

QueryLoggingConfigurationMetadata

The metadata for a query logging configuration.

Contents

createdAt

The date and time when the query logging configuration was created.

Type: Timestamp

Required: Yes

destinations

The configured destinations for the query logging configuration.

Type: Array of LoggingDestination objects

Array Members: Fixed number of 1 item.

Required: Yes

modifiedAt

The date and time when the query logging configuration was last modified.

Type: Timestamp

Required: Yes

status

The current status of the query logging configuration.

Type: QueryLoggingConfigurationStatus object

Required: Yes

workspace

The ID of the workspace associated with this query logging configuration.

Type: String

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

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

QueryLoggingConfigurationStatus

The status information for a query logging configuration.

Contents

statusCode

The current status of the query logging configuration.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATION_FAILED | UPDATE_FAILED`

Required: Yes

statusReason

If there is a failure, the reason for the failure.

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

RandomCutForestConfiguration

Configuration for the Random Cut Forest algorithm used for anomaly detection in time-series data.

Contents

query

The Prometheus query used to retrieve the time-series data for anomaly detection.

> **Important**
>
> Random Cut Forest queries must be wrapped by a supported PromQL aggregation operator. For more information, see Aggregation operators on the *Prometheus docs* website.
> **Supported PromQL aggregation operators**: `avg`, `count`, `group`, `max`, `min`, `quantile`, `stddev`, `stdvar`, and `sum`.

Type: String

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

Required: Yes

ignoreNearExpectedFromAbove

Configuration for ignoring values that are near expected values from above during anomaly detection.

Type: IgnoreNearExpected object

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

Required: No

ignoreNearExpectedFromBelow

Configuration for ignoring values that are near expected values from below during anomaly detection.

Type: IgnoreNearExpected object

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

Required: No

sampleSize

The number of data points sampled from the input stream for the Random Cut Forest algorithm. The default number is 256 consecutive data points.

Type: Integer

Valid Range: Minimum value of 256. Maximum value of 1024.

Required: No

shingleSize

The number of consecutive data points used to create a shingle for the Random Cut Forest algorithm. The default number is 8 consecutive data points.

Type: Integer

Valid Range: Minimum value of 2. Maximum value of 1024.

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

RoleConfiguration

Use this structure to enable cross-account access, so that you can use a target account to access Prometheus metrics from source accounts.

Contents

sourceRoleArn

The Amazon Resource Name (ARN) of the role used in the source account to enable cross-account scraping. For information about the contents of this policy, see Cross-account setup.

Type: String

Pattern: `arn:aws[-a-z]*:iam::[0-9]{12}:role/.+`

Required: No

targetRoleArn

The Amazon Resource Name (ARN) of the role used in the target account to enable cross-account scraping. For information about the contents of this policy, see Cross-account setup.

Type: String

Pattern: `arn:aws[-a-z]*:iam::[0-9]{12}:role/.+`

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

RuleGroupsNamespaceDescription

The details about one rule groups namespace.

Contents

arn

The ARN of the rule groups namespace. For example, `arn:aws:aps:<region>:123456789012:rulegroupsnamespace/ws-example1-1234-abcd-5678-ef90abcd1234/rulesfile1`.

Type: String

Required: Yes

createdAt

The date and time that the rule groups namespace was created.

Type: Timestamp

Required: Yes

data

The rule groups file used in the namespace.

For details about the rule groups namespace structure, see RuleGroupsNamespaceData.

Type: Base64-encoded binary data object

Required: Yes

modifiedAt

The date and time that the rule groups namespace was most recently changed.

Type: Timestamp

Required: Yes

name

The name of the rule groups namespace.

Type: String

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

status

The current status of the rule groups namespace.

Type: RuleGroupsNamespaceStatus object

Required: Yes

tags

The list of tag keys and values that are associated with the rule groups namespace.

Type: String to string map

Map Entries: Minimum number of 0 items. 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

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

RuleGroupsNamespaceStatus

The status information about a rule groups namespace.

Contents

statusCode

The current status of the namespace.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATION_FAILED | UPDATE_FAILED`

Required: Yes

statusReason

The reason for the failure, if any.

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

RuleGroupsNamespaceSummary

The high-level information about a rule groups namespace. To retrieve more information, use `DescribeRuleGroupsNamespace`.

Contents

arn

The ARN of the rule groups namespace.

Type: String

Required: Yes

createdAt

The date and time that the rule groups namespace was created.

Type: Timestamp

Required: Yes

modifiedAt

The date and time that the rule groups namespace was most recently changed.

Type: Timestamp

Required: Yes

name

The name of the rule groups namespace.

Type: String

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

status

A structure that displays the current status of the rule groups namespace.

Type: RuleGroupsNamespaceStatus object

Required: Yes

tags

The list of tag keys and values that are associated with the rule groups namespace.

Type: String to string map

Map Entries: Minimum number of 0 items. 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

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

ScrapeConfiguration

A scrape configuration for a scraper, base 64 encoded. For more information, see Scraper configuration in the *Amazon Managed Service for Prometheus User Guide*.

Contents

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

configurationBlob

The base 64 encoded scrape configuration file.

Type: Base64-encoded binary data 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

ScraperComponent

A component of a Amazon Managed Service for Prometheus scraper that can be configured for logging.

Contents

type

The type of the scraper component.

Type: String

Valid Values: `SERVICE_DISCOVERY | COLLECTOR | EXPORTER`

Required: Yes

config

The configuration settings for the scraper component.

Type: ComponentConfig 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

ScraperDescription

The `ScraperDescription` structure contains the full details about one scraper in your account.

Contents

arn

The Amazon Resource Name (ARN) of the scraper. For example, `arn:aws:aps:<region>:123456798012:scraper/s-example1-1234-abcd-5678-ef9012abcd34`.

Type: String

Required: Yes

createdAt

The date and time that the scraper was created.

Type: Timestamp

Required: Yes

destination

The destination where the scraper sends metrics. Valid destinations are Amazon Managed Service for Prometheus workspaces and CloudWatch datasets.

Type: Destination object

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

Required: Yes

lastModifiedAt

The date and time that the scraper was last modified.

Type: Timestamp

Required: Yes

roleArn

The Amazon Resource Name (ARN) of the IAM role that provides permissions for the scraper to discover and collect metrics on your behalf.

For example, `arn:aws:iam::123456789012:role/service-role/AmazonGrafanaServiceRole-12example`.

Type: String

Pattern: `arn:aws[-a-z]*:iam::[0-9]{12}:role/.+`

Required: Yes

scrapeConfiguration

The configuration in use by the scraper.

Type: ScrapeConfiguration object

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

Required: Yes

scraperId

The ID of the scraper. For example, `s-example1-1234-abcd-5678-ef9012abcd34`.

Type: String

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

source

The Amazon EKS cluster from which the scraper collects metrics.

Type: Source object

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

Required: Yes

status

A structure that contains the current status of the scraper.

Type: ScraperStatus object

Required: Yes

alias

(Optional) A name associated with the scraper.

Type: String

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: No

exporters

The exporter configurations for the scraper, if configured. The list contains at most one configuration, for either an Amazon OpenSearch Service domain or an Amazon MSK cluster.

Type: Array of ExporterConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Required: No

roleConfiguration

This structure displays information about the IAM roles used for cross-account scraping configuration.

Type: RoleConfiguration object

Required: No

statusReason

If there is a failure, the reason for the failure.

Type: String

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

Required: No

tags

(Optional) The list of tag keys and values associated with the scraper.

Type: String to string map

Map Entries: Minimum number of 0 items. 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

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

ScraperLoggingConfigurationStatus

The status of a scraper logging configuration.

Contents

statusCode

The status code of the scraper logging configuration.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATION_FAILED | UPDATE_FAILED`

Required: Yes

statusReason

The reason for the current status of the scraper logging configuration.

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

ScraperLoggingDestination

The destination where scraper logs are sent.

Contents

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

cloudWatchLogs

The CloudWatch Logs configuration for the scraper logging destination.

Type: CloudWatchLogDestination 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

ScraperStatus

The `ScraperStatus` structure contains status information about the scraper.

Contents

statusCode

The current status of the scraper.

Type: String

Valid Values: `CREATING | UPDATING | ACTIVE | DELETING | CREATION_FAILED | UPDATE_FAILED | DELETION_FAILED`

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

ScraperSummary

The `ScraperSummary` structure contains a summary of the details about one scraper in your account.

Contents

arn

The Amazon Resource Name (ARN) of the scraper.

Type: String

Required: Yes

createdAt

The date and time that the scraper was created.

Type: Timestamp

Required: Yes

destination

The destination where the scraper sends metrics. Valid destinations are Amazon Managed Service for Prometheus workspaces and CloudWatch datasets.

Type: Destination object

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

Required: Yes

lastModifiedAt

The date and time that the scraper was last modified.

Type: Timestamp

Required: Yes

roleArn

The Amazon Resource Name (ARN) of the IAM role that provides permissions for the scraper to discover and collect metrics on your behalf.

Type: String

Pattern: `arn:aws[-a-z]*:iam::[0-9]{12}:role/.+`

Required: Yes

scraperId

The ID of the scraper.

Type: String

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: Yes

source

The Amazon EKS cluster from which the scraper collects metrics.

Type: Source object

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

Required: Yes

status

A structure that contains the current status of the scraper.

Type: ScraperStatus object

Required: Yes

alias

(Optional) A name associated with the scraper.

Type: String

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

Pattern: `[0-9A-Za-z][-.0-9A-Z_a-z]*`

Required: No

exporters

The exporter configurations for the scraper, if configured. The list contains at most one configuration, for either an Amazon OpenSearch Service domain or an Amazon MSK cluster.

Type: Array of ExporterConfiguration objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Required: No

roleConfiguration

This structure displays information about the IAM roles used for cross-account scraping configuration.

Type: RoleConfiguration object

Required: No

statusReason

If there is a failure, the reason for the failure.

Type: String

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

Required: No

tags

(Optional) The list of tag keys and values associated with the scraper.

Type: String to string map

Map Entries: Minimum number of 0 items. 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

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

The source of collected metrics for a scraper.

Contents

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

eksConfiguration

The Amazon EKS cluster from which a scraper collects metrics.

Type: EksConfiguration object

Required: No

vpcConfiguration

The Amazon VPC configuration for the Prometheus collector when connecting to Amazon MSK clusters. This configuration enables secure, private network connectivity between the collector and your Amazon MSK cluster within your Amazon VPC.

Type: VpcConfiguration 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

ValidationExceptionField

Information about a field passed into a request that resulted in an exception.

Contents

message

A message describing why the field caused an exception.

Type: String

Required: Yes

name

The name of the field that caused an exception.

Type: String

Required: Yes

See Also

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

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

VpcConfiguration

The Amazon VPC configuration that specifies the network settings for a Prometheus collector to securely connect to Amazon MSK clusters. This configuration includes the security groups and subnets that control network access and placement for the collector.

Contents

securityGroupIds

The security group IDs that control network access for the Prometheus collector. These security groups must allow the collector to communicate with your Amazon MSK cluster on the required ports.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `sg-[0-9a-z]+`

Required: Yes

subnetIds

The subnet IDs where the Prometheus collector will be deployed. The subnets must be in the same Amazon VPC as your Amazon MSK cluster and have network connectivity to the cluster.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `subnet-[0-9a-z]+`

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

WorkspaceConfigurationDescription

This structure contains the description of the workspace configuration.

Contents

status

This structure displays the current status of the workspace configuration, and might also contain a reason for that status.

Type: WorkspaceConfigurationStatus object

Required: Yes

limitsPerLabelSet

This is an array of structures, where each structure displays one label sets for the workspace and the limits for that label set.

Type: Array of LimitsPerLabelSet objects

Required: No

outOfOrderTimeWindowInSeconds

This field displays the out of order time window in seconds for accepting out of order samples.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

retentionPeriodInDays

This field displays how many days that metrics are retained in the workspace.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

ruleQueryOffsetInSeconds

This field displays the duration in seconds that rule evaluation queries are offset into the past.

Type: Integer

Valid Range: Minimum value of 0.

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

WorkspaceConfigurationStatus

This structure displays the current status of the workspace configuration, and might also contain a reason for that status.

Contents

statusCode

The current status of the workspace configuration.

Type: String

Valid Values: `ACTIVE | UPDATING | UPDATE_FAILED`

Required: Yes

statusReason

The reason for the current status, if a reason is available.

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

WorkspaceDescription

The full details about one Amazon Managed Service for Prometheus workspace in your account.

Contents

arn

The ARN of the workspace. For example, `arn:aws:aps:<region>:123456789012:workspace/ws-example1-1234-abcd-5678-ef90abcd1234`.

Type: String

Pattern: `arn:aws[-a-z]*:aps:[-a-z0-9]+:[0-9]{12}:workspace/.+`

Required: Yes

createdAt

The date and time that the workspace was created.

Type: Timestamp

Required: Yes

status

The current status of the workspace.

Type: WorkspaceStatus object

Required: Yes

workspaceId

The unique ID for the workspace. For example, `ws-example1-1234-abcd-5678-ef90abcd1234`.

Type: String

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

alias

The alias that is assigned to this workspace to help identify it. It does not need to be unique.

Type: String

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

Required: No

kmsKeyArn

(optional) If the workspace was created with a customer managed AWS KMS key, the ARN for the key used.

Type: String

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

Pattern: `arn:aws[-a-z]*:kms:[-a-z0-9]+:[0-9]{12}:key/[-a-f0-9]+`

Required: No

prometheusEndpoint

The Prometheus endpoint available for this workspace. For example, `https://aps-workspaces.<region>.amazonaws.com/workspaces/ws-example1-1234-abcd-5678-ef90abcd1234/api/v1/`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

tags

The list of tag keys and values that are associated with the workspace.

Type: String to string map

Map Entries: Minimum number of 0 items. 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

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

WorkspaceStatus

The status of the workspace.

Contents

statusCode

The current status of the workspace.

Type: String

Valid Values: `CREATING | ACTIVE | UPDATING | DELETING | CREATION_FAILED`

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

WorkspaceSummary

The information about one Amazon Managed Service for Prometheus workspace in your account.

Contents

arn

The ARN of the workspace.

Type: String

Pattern: `arn:aws[-a-z]*:aps:[-a-z0-9]+:[0-9]{12}:workspace/.+`

Required: Yes

createdAt

The date and time that the workspace was created.

Type: Timestamp

Required: Yes

status

The current status of the workspace.

Type: WorkspaceStatus object

Required: Yes

workspaceId

The unique ID for the workspace.

Type: String

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

Pattern: `.*[0-9A-Za-z][-.0-9A-Z_a-z]*.*`

Required: Yes

alias

The alias that is assigned to this workspace to help identify it. It does not need to be unique.

Type: String

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

Required: No

kmsKeyArn

(optional) If the workspace was created with a customer managed AWS KMS key, the ARN for the key used.

Type: String

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

Pattern: `arn:aws[-a-z]*:kms:[-a-z0-9]+:[0-9]{12}:key/[-a-f0-9]+`

Required: No

tags

The list of tag keys and values that are associated with the workspace.

Type: String to string map

Map Entries: Minimum number of 0 items. 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

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