



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 July 2, 2024.

Actions

The following actions are supported:

- [CreateAlertManagerDefinition](#)
- [CreateLoggingConfiguration](#)
- [CreateRuleGroupsNamespace](#)
- [CreateScraper](#)
- [CreateWorkspace](#)
- [DeleteAlertManagerDefinition](#)
- [DeleteLoggingConfiguration](#)
- [DeleteRuleGroupsNamespace](#)
- [DeleteScraper](#)
- [DeleteWorkspace](#)
- [DescribeAlertManagerDefinition](#)
- [DescribeLoggingConfiguration](#)
- [DescribeRuleGroupsNamespace](#)
- [DescribeScraper](#)
- [DescribeWorkspace](#)
- [GetDefaultScraperConfiguration](#)
- [ListRuleGroupsNamespaces](#)
- [ListScrapers](#)
- [ListTagsForResource](#)
- [ListWorkspaces](#)
- [PutAlertManagerDefinition](#)
- [PutRuleGroupsNamespace](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateLoggingConfiguration](#)
- [UpdateWorkspaceAlias](#)

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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ServiceQuotaExceededException

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

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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

CreateLoggingConfiguration

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

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-]+:\d{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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ValidationException

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

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

- [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.

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 64.

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 64.

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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

HTTP Status Code: 409

InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ServiceQuotaExceededException

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

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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

CreateScraper

The `CreateScraper` operation creates a scraper to collect metrics. A scraper pulls metrics from Prometheus-compatible sources within an Amazon EKS cluster, and sends them to your Amazon Managed Service for Prometheus workspace. Scrapers are flexible, and can be configured to control what metrics are collected, the frequency of collection, what transformations are applied 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 cluster. You must configure this role with a policy that allows it to scrape metrics from your cluster. For more information, see [Configuring your Amazon EKS cluster](#) in the *Amazon Managed Service for Prometheus User Guide*.

You cannot update a scraper. If you want to change the configuration of the scraper, create a new scraper and delete the old one.

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

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": { ... },
  "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 Amazon Managed Service for Prometheus workspace to send metrics to.

Type: [Destination](#) object

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

Required: Yes

scrapeConfiguration

The configuration file to use in the new scraper. For more information, see [Scrapers 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 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: $^([\p{L}\p{Z}\p{N}_\p{-}:/=+\-@]^\ast)\$$

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

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

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: $^([\backslash\{L\}\backslash\{Z\}\backslash\{N\}_\cdot : / = + \backslash - @] *) \$$

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

Value Pattern: $^([\backslash\{L\}\backslash\{Z\}\backslash\{N\}_\cdot : / = + \backslash - @] *) \$$

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

HTTP Status Code: 409

InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ServiceQuotaExceededException

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

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

HTTP Status Code: 400

See Also

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

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- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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:kms:[a-z0-9\-\+]:\d+: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:kms:[a-z0-9\-\-]+\:\d+: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: $^([\p{L}\p{Z}\p{N}_\cdot :/=+\-@]^*)\$$

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

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

workspaceId

The unique ID for the new workspace.

Type: String

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

Pattern: $[0-9A-Za-z] [-\cdot 0-9A-Z_a-z]^*$

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ServiceQuotaExceededException

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

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)

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

DeleteLoggingConfiguration

Deletes the logging configuration for a workspace.

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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

HTTP Status Code: 409

InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ValidationException

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

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](#)

- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 64.

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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

HTTP Status Code: 409

InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

HTTP Status Code: 409

InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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

DescribeLoggingConfiguration

Returns complete information about the current logging configuration of the workspace.

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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 64.

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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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": { ... },
    "lastModifiedAt": number,
    "roleArn": "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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 configuration](#) in 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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 64.

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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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": { ... },
      "lastModifiedAt": number,
      "roleArn": "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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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: $^([\p{L}\p{Z}\p{N}_\p{.}:/=+\-@]^*)\$$

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

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ServiceQuotaExceededException

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

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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

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 64.

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 64.

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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

HTTP Status Code: 409

InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ServiceQuotaExceededException

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

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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: $^([\backslash\{L\}\backslash\{Z\}\backslash\{N\}_\cdot : / = + \backslash - @] ^ *) \$$

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

Value Pattern: $^([\backslash\{L\}\backslash\{Z\}\backslash\{N\}_\cdot : / = + \backslash - @] ^ *) \$$

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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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: $^([\p{L}\p{Z}\p{N}_\cdot :/=+\-@]^*)\$$

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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

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

UpdateLoggingConfiguration

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

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-]+:\d{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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

HTTP Status Code: 409

InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The request would cause an inconsistent state.

HTTP Status Code: 409

InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resources that doesn't exist.

HTTP Status Code: 404

ServiceQuotaExceededException

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

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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](#)
- [Destination](#)
- [EksConfiguration](#)
- [LoggingConfigurationMetadata](#)
- [LoggingConfigurationStatus](#)
- [RuleGroupsNamespaceDescription](#)
- [RuleGroupsNamespaceStatus](#)
- [RuleGroupsNamespaceSummary](#)
- [ScrapeConfiguration](#)
- [ScraperDescription](#)
- [ScraperStatus](#)
- [ScraperSummary](#)
- [Source](#)
- [ValidationExceptionField](#)
- [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](#)

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

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](#)

LoggingConfigurationMetadata

Contains information about the logging configuration for the workspace.

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-]+:\d{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 logging configuration.

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](#)

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 64.

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 64.

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: $^([\p{L}\p{Z}\p{N}_\cdot :/=+\-@]^*)\$$

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

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

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](#)

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 Amazon Managed Service for Prometheus workspace the scraper sends metrics to.

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

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

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](#)

ScraperStatus

The `ScraperStatus` structure contains status information about the scraper.

Contents

`statusCode`

The current status of the scraper.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | CREATION_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 Amazon Managed Service for Prometheus workspace the scraper sends metrics to.

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

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

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: $^([\p{L}\p{Z}\p{N}_\cdot :/=+\-@]^*)\$$

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

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

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

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](#)

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:kms:[a-z0-9\-\+]:\d+: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: $^([\backslash\{L\}\backslash\{Z\}\backslash\{N\}_\cdot :/=+\backslash-@]^*)\$$

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

Value Pattern: $^([\backslash\{L\}\backslash\{Z\}\backslash\{N\}_\cdot :/=+\backslash-@]^*)\$$

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:kms:[a-z0-9\-\+]:\d+: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](#)

YAML types

Prometheus uses YAML files for some of its configuration. The following data types are used by Amazon Managed Service for Prometheus to configure aspects of the underlying Prometheus workspace.

Topics

- [AlertManagerDefinitionData YAML structure](#)
- [RuleGroupsNamespaceData YAML structure](#)

AlertManagerDefinitionData YAML structure

This structure contains the alert manager configuration as a blob (binary data). It is a base64-encoded YAML file. The following is an example of an alert manager configuration file YAML.

```
alertmanager_config: |
  route:
    receiver: 'default'
  receivers:
    - name: 'default'
      sns_configs:
        - topic_arn: arn:aws:sns:us-east-2:123456789012:My-Topic
          sigv4:
            region: us-east-2
          attributes:
            key: key1
            value: value1
```

For more information about alert manager configurations and their use, see [Creating an alert manager configuration file](#) in the *Amazon Managed Service for Prometheus User Guide*.

RuleGroupsNamespaceData YAML structure

The RuleGroupsNamespaceData structure contains the rule groups file as a base64-encoded blob of the YAML file. The following is an example of an rules file YAML.

```
groups:
```

```
- name: test
  rules:
    - record: metric:recording_rule
      expr: avg(rate(container_cpu_usage_seconds_total[5m]))
- name: alert-test
  rules:
    - alert: metric:alerting_rule
      expr: avg(rate(container_cpu_usage_seconds_total[5m])) > 0
      for: 2m
```

For more details about rules, see [Recording rules and alerting rules](#) in the *Amazon Managed Service for Prometheus User Guide*.

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key/YYYYMMDD/region/service/aws4_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

InvalidAction

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 400

InvalidClientTokenId

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 400

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

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

HTTP Status Code: 400