



API Reference

AWS Application Discovery Service



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AWS Application Discovery Service: API Reference

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Welcome

AWS Application Discovery Service (Application Discovery Service) helps you plan application migration projects. It automatically identifies servers, virtual machines (VMs), and network dependencies in your on-premises data centers. For more information, see the [AWS Application Discovery Service FAQ](#).

Application Discovery Service offers three ways of performing discovery and collecting data about your on-premises servers:

- **Agentless discovery** using AWS Application Discovery Service Agentless Collector (Agentless Collector), which doesn't require you to install an agent on each host.
 - Agentless Collector gathers server information regardless of the operating systems, which minimizes the time required for initial on-premises infrastructure assessment.
 - Agentless Collector doesn't collect information about network dependencies, only agent-based discovery collects that information.
- **Agent-based discovery** using the AWS Application Discovery Agent (Application Discovery Agent) collects a richer set of data than agentless discovery, which you install on one or more hosts in your data center.
 - The agent captures infrastructure and application information, including an inventory of running processes, system performance information, resource utilization, and network dependencies.
 - The information collected by agents is secured at rest and in transit to the Application Discovery Service database in the AWS cloud. For more information, see [AWS Application Discovery Agent](#).
- **AWS Partner Network (APN) solutions** integrate with Application Discovery Service, enabling you to import details of your on-premises environment directly into AWS Migration Hub (Migration Hub) without using Agentless Collector or Application Discovery Agent.
 - Third-party application discovery tools can query AWS Application Discovery Service, and they can write to the Application Discovery Service database using the public API.
 - In this way, you can import data into Migration Hub and view it, so that you can associate applications with servers and track migrations.

Working With This Guide

This API reference provides descriptions, syntax, and usage examples for each of the actions and data types for Application Discovery Service. The topic for each action shows the API request parameters and the response. Alternatively, you can use one of the AWS SDKs to access an API that is tailored to the programming language or platform that you're using. For more information, see [AWS SDKs](#).

Note

- Remember that you must set your Migration Hub home Region before you call any of these APIs.
- You must make API calls for write actions (create, notify, associate, disassociate, import, or put) while in your home Region, or a `HomeRegionNotSetException` error is returned.
- API calls for read actions (list, describe, stop, and delete) are permitted outside of your home Region.
- Although it is unlikely, the Migration Hub home Region could change. If you call APIs outside the home Region, an `InvalidInputException` is returned.
- You must call `GetHomeRegion` to obtain the latest Migration Hub home Region.

This guide is intended for use with the [AWS Application Discovery Service User Guide](#).

Important

All data is handled according to the [AWS Privacy Policy](#). You can operate Application Discovery Service offline to inspect collected data before it is shared with the service.

This document was last published on October 1, 2024.

Actions

The following actions are supported:

- [AssociateConfigurationItemsToApplication](#)
- [BatchDeleteAgents](#)
- [BatchDeleteImportData](#)
- [CreateApplication](#)
- [CreateTags](#)
- [DeleteApplications](#)
- [DeleteTags](#)
- [DescribeAgents](#)
- [DescribeBatchDeleteConfigurationTask](#)
- [DescribeConfigurations](#)
- [DescribeContinuousExports](#)
- [DescribeExportConfigurations](#)
- [DescribeExportTasks](#)
- [DescribeImportTasks](#)
- [DescribeTags](#)
- [DisassociateConfigurationItemsFromApplication](#)
- [ExportConfigurations](#)
- [GetDiscoverySummary](#)
- [ListConfigurations](#)
- [ListServerNeighbors](#)
- [StartBatchDeleteConfigurationTask](#)
- [StartContinuousExport](#)
- [StartDataCollectionByAgentIds](#)
- [StartExportTask](#)
- [StartImportTask](#)
- [StopContinuousExport](#)
- [StopDataCollectionByAgentIds](#)

- [UpdateApplication](#)

AssociateConfigurationItemsToApplication

Associates one or more configuration items with an application.

Request Syntax

```
{  
  "applicationConfigurationId": "string",  
  "configurationIds": [ "string" ]  
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[applicationConfigurationId](#)

The configuration ID of an application with which items are to be associated.

Type: String

Length Constraints: Maximum length of 200.

Pattern: \S+

Required: Yes

[configurationIds](#)

The ID of each configuration item to be associated with an application.

Type: Array of strings

Length Constraints: Maximum length of 200.

Pattern: \S*

Required: Yes

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](#).

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Associate configuration items to an application

The following example associates two Application Discovery Service discovered resources specified by their configuration ids to the application identified by the value passed to the parameter `applicationConfigurationId` in the request.

Sample Request

```
{
  "applicationConfigurationId": "d-application-0039038d504694533",
  "configurationIds": [
    "d-server-0025db43a885966c8",
    "d-server-0f0a32a0db4217bd6"
  ]
}
```

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](#)

BatchDeleteAgents

Deletes one or more agents or collectors as specified by ID. Deleting an agent or collector does not delete the previously discovered data. To delete the data collected, use `StartBatchDeleteConfigurationTask`.

Request Syntax

```
{
  "deleteAgents": [
    {
      "agentId": "string",
      "force": boolean
    }
  ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[deleteAgents](#)

The list of agents to delete.

Type: Array of [DeleteAgent](#) objects

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

Required: Yes

Response Syntax

```
{
  "errors": [
    {
      "agentId": "string",
      "errorCode": "string",
      "errorMessage": "string"
    }
  ]
}
```

```
    }  
  ]  
}
```

Response Elements

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

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

errors

A list of agent IDs that failed to delete during the deletion task, each paired with an error message.

Type: Array of [BatchDeleteAgentError](#) objects

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

The following example shows the request syntax for a `BatchDeleteAgents` API call that deletes an agent from the account provided by the `agentId`.

Sample Request

```
{
  "deleteAgents": [{
    "agentId": "o-3i7dc2x5a020kaq4s",
    "force": true
  }]
}
```

The following example shows the response for a successful `BatchDeleteAgents` API call.

Sample Response

```
{
  "errors": []
}
```

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](#)

BatchDeleteImportData

Deletes one or more import tasks, each identified by their import ID. Each import task has a number of records that can identify servers or applications.

AWS Application Discovery Service has built-in matching logic that will identify when discovered servers match existing entries that you've previously discovered, the information for the already-existing discovered server is updated. When you delete an import task that contains records that were used to match, the information in those matched records that comes from the deleted records will also be deleted.

Request Syntax

```
{
  "deleteHistory": boolean,
  "importTaskIds": [ "string" ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[deleteHistory](#)

Set to `true` to remove the deleted import task from [DescribeImportTasks](#).

Type: Boolean

Required: No

[importTaskIds](#)

The IDs for the import tasks that you want to delete.

Type: Array of strings

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

Length Constraints: Maximum length of 200.

Pattern: `^import-task-[a-fA-F0-9]{32}$`

Required: Yes

Response Syntax

```
{
  "errors": [
    {
      "errorCode": "string",
      "errorDescription": "string",
      "importTaskId": "string"
    }
  ]
}
```

Response Elements

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

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

errors

Error messages returned for each import task that you deleted as a response for this command.

Type: Array of [BatchDeleteImportDataError](#) objects

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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](#)

CreateApplication

Creates an application with the given name and description.

Request Syntax

```
{
  "description": "string",
  "name": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

description

Description of the application to be created.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: (^\$|[\s\S]*\S[\s\S]*)

Required: No

name

Name of the application to be created.

Type: String

Length Constraints: Maximum length of 127.

Pattern: [\s\S]*\S[\s\S]*

Required: Yes

Response Syntax

```
{  
  "configurationId": "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.

configurationId

Configuration ID of an application to be created.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Create an application

The following example creates an application specified by value passed the required parameter of name as well as a description passed to the optional parameter description in the request.

Sample Request

```
{
  "name": "PeopleSoft_phase1",
  "description": "components related to payroll app to be migrated"
}
```

Sample Response

```
{
  "configurationId": "d-application-0282ccd1ba7c211ca"
}
```

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](#)

CreateTags

Creates one or more tags for configuration items. Tags are metadata that help you categorize IT assets. This API accepts a list of multiple configuration items.

Important

Do not store sensitive information (like personal data) in tags.

Request Syntax

```
{
  "configurationIds": [ "string" ],
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

configurationIds

A list of configuration items that you want to tag.

Type: Array of strings

Length Constraints: Maximum length of 200.

Pattern: `\S*`

Required: Yes

tags

Tags that you want to associate with one or more configuration items. Specify the tags that you want to create in a *key-value* format. For example:

```
{"key": "serverType", "value": "webServer"}
```

Type: Array of [Tag](#) objects

Required: Yes

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](#).

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ResourceNotFoundException

The specified configuration ID was not located. Verify the configuration ID and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Create tags for configuration items

The following example creates two tags, each with a key/value pair, and associates both tags to two Application Discovery Service discovered resources specified by the values passed to the parameter `configurationIds` in the request.

Sample Request

```
{
  "configurationIds": [
    "d-server-08a4bce106f63340e",
    "d-server-04dadef51d0a728f3"
  ],
  "tags": [
    {
      "key": "ServerLocation",
      "value": "Warehouse"
    },
    {
      "key": "MigrationPhase",
      "value": "PH1"
    }
  ]
}
```


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](#)

DeleteApplications

Deletes a list of applications and their associations with configuration items.

Request Syntax

```
{  
  "configurationIds": [ "string" ]  
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[configurationIds](#)

Configuration ID of an application to be deleted.

Type: Array of strings

Length Constraints: Maximum length of 200.

Pattern: \S+

Required: Yes

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](#).

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Delete applications

The following example deletes two applications as specified by the values passed to the parameter `configurationIds` in the request.

Sample Request

```
{
  "configurationIds": [
    "d-application-022b024aa42685464",
    "d-application-0ce38f881a50d2ac1"
  ]
}
```

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](#)

DeleteTags

Deletes the association between configuration items and one or more tags. This API accepts a list of multiple configuration items.

Request Syntax

```
{
  "configurationIds": [ "string" ],
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

configurationIds

A list of configuration items with tags that you want to delete.

Type: Array of strings

Length Constraints: Maximum length of 200.

Pattern: \S*

Required: Yes

tags

Tags that you want to delete from one or more configuration items. Specify the tags that you want to delete in a *key-value* format. For example:

```
{"key": "serverType", "value": "webServer"}
```

Type: Array of [Tag](#) objects

Required: No

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](#).

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ResourceNotFoundException

The specified configuration ID was not located. Verify the configuration ID and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Delete tags

The following example deletes a tag, identified by its key/value pair in the `tags` parameter, from the server specified by the value passed to the `configurationIds` parameter in the request.

Sample Request

```
{
  "configurationIds": [
    "d-server-08a4bce106f63340e"
  ],
  "tags": [
    {
      "key": "ServerHostType",
      "value": "OracleProdDB"
    }
  ]
}
```

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](#)

DescribeAgents

Lists agents or collectors as specified by ID or other filters. All agents/collectors associated with your user can be listed if you call DescribeAgents as is without passing any parameters.

Request Syntax

```
{
  "agentIds": [ "string" ],
  "filters": [
    {
      "condition": "string",
      "name": "string",
      "values": [ "string" ]
    }
  ],
  "maxResults": number,
  "nextToken": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

agentIds

The agent or the collector IDs for which you want information. If you specify no IDs, the system returns information about all agents/collectors associated with your user.

Type: Array of strings

Length Constraints: Minimum length of 10. Maximum length of 20.

Pattern: `\S+`

Required: No

filters

You can filter the request using various logical operators and a *key-value* format. For example:

```
{"key": "collectionStatus", "value": "STARTED"}
```

Type: Array of [Filter](#) objects

Required: No

[maxResults](#)

The total number of agents/collectors to return in a single page of output. The maximum value is 100.

Type: Integer

Required: No

[nextToken](#)

Token to retrieve the next set of results. For example, if you previously specified 100 IDs for `DescribeAgentsRequest$agentIds` but set `DescribeAgentsRequest$maxResults` to 10, you received a set of 10 results along with a token. Use that token in this query to get the next set of 10.

Type: String

Required: No

Response Syntax

```
{
  "agentsInfo": [
    {
      "agentId": "string",
      "agentNetworkInfoList": [
        {
          "ipAddress": "string",
          "macAddress": "string"
        }
      ],
      "agentType": "string",
      "collectionStatus": "string",
      "connectorId": "string",
      "health": "string",
      "hostName": "string",
      "lastHealthPingTime": "string",
      "registeredTime": "string",
      "version": "string"
    }
  ]
}
```

```
    }  
  ],  
  "nextToken": "string"  
}
```

Response Elements

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

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

[agentsInfo](#)

Lists agents or the collector by ID or lists all agents/collectors associated with your user, if you did not specify an agent/collector ID. The output includes agent/collector IDs, IP addresses, media access control (MAC) addresses, agent/collector health, host name where the agent/collector resides, and the version number of each agent/collector.

Type: Array of [AgentInfo](#) objects

[nextToken](#)

Token to retrieve the next set of results. For example, if you specified 100 IDs for `DescribeAgentsRequest$agentIds` but set `DescribeAgentsRequest$maxResults` to 10, you received a set of 10 results along with this token. Use this token in the next query to retrieve the next set of 10.

Type: String

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Describe agents that are running

The following example describes all agents that are currently running by passing object array values to the parameter `filters` where `condition` is "EQUALS", `name` is "health", and `value` is "RUNNING". This results in a descriptive response that lists all agents running in your account.

Sample Request

```
{
  "filters": [
    {
      "condition": "EQUALS",
      "name": "health",
      "values": [ "RUNNING" ]
    }
  ]
}
```

Sample Response

```
{
  "agentsInfo": [
    {
      "agentId": "o-55vu6xex08zs27b905",
      "hostName": "ip-172-31-24-158.us-west-2.compute.internal",
      "agentNetworkInfoList": [
        {
          "ipAddress": "172.31.24.158",
          "macAddress": "02:7C:B6:F7:82:C4"
        }
      ],
      "version": "2.0.1008.0",
      "health": "RUNNING",
      "lastHealthPingTime": "2018-03-19T22:48:25Z",
      "collectionStatus": "STARTED",
      "agentType": "ONPREMISES",
      "registeredTime": "2018-01-30T18:54:19Z"
    },
    {
      "agentId": "o-5i6fq7z1fhgokgreg",
      "hostName": "win-gv9i8gpt9t1",
      "agentNetworkInfoList": [
        {
          "ipAddress": "192.168.204.1",
          "macAddress": "00:50:56:C0:00:01"
        },
        {
          "ipAddress": "192.168.64.1",
          "macAddress": "00:50:56:C0:00:08"
        },
        {
          "ipAddress": "172.31.12.174",
          "macAddress": "0A:84:BB:BF:88:8E"
        }
      ],
      "version": "2.0.1008.0",
      "health": "RUNNING",
      "lastHealthPingTime": "2018-03-19T22:29:33Z",
      "collectionStatus": "STARTED",
      "agentType": "ONPREMISES",
      "registeredTime": "2018-03-16T23:54:19Z"
    }
  ]
}
```

```
    }  
  ]  
}
```

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](#)

DescribeBatchDeleteConfigurationTask

Takes a unique deletion task identifier as input and returns metadata about a configuration deletion task.

Request Syntax

```
{
  "taskId": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

taskId

The ID of the task to delete.

Type: String

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Response Syntax

```
{
  "task": {
    "configurationType": "string",
    "deletedConfigurations": [ "string" ],
    "deletionWarnings": [
      {
        "configurationId": "string",
        "warningCode": number,
        "warningText": "string"
      }
    ]
  },
}
```

```
"endTime": number,
"failedConfigurations": [
  {
    "configurationId": "string",
    "errorMessage": "string",
    "errorStatusCode": number
  }
],
"requestedConfigurations": [ "string" ],
"startTime": number,
"status": "string",
"taskId": "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.

task

The `BatchDeleteConfigurationTask` that represents the deletion task being executed.

Type: [BatchDeleteConfigurationTask](#) object

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

The following example shows the request syntax for a deletion task that was previously started using [StartBatchDeleteConfigurationTask](#) specified by the value passed to the required `taskId` parameter.

Sample Request

```
{
  "taskId": "b941cc54-b0df-4cdd-90fc-70ef4293dfce"
}
```

The following example shows the response for a successful `DescribeBatchDeleteConfigurationTask` API call.

Sample Response

```
{
  "task": {
    "configurationType": "SERVER",
    "deletedConfigurations": ["d-server-029yq1ktuw2udm", "d-server-03alnm4z74f77f"],
    "deletionWarnings": [],
    "endTime": 1695765672.384,
    "failedConfigurations": [],
  }
}
```

```
    "requestedConfigurations": ["d-server-029yq1ktuw2udm", "d-  
server-03alnm4z74f77f"],  
    "startTime": 1695755672.129,  
    "status": "COMPLETED",  
    "taskId": "b941cc54-b0df-4cdd-90fc-70ef4293dfce"  
  }  
}
```

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](#)

DescribeConfigurations

Retrieves attributes for a list of configuration item IDs.

Note

All of the supplied IDs must be for the same asset type from one of the following:

- server
- application
- process
- connection

Output fields are specific to the asset type specified. For example, the output for a *server* configuration item includes a list of attributes about the server, such as host name, operating system, number of network cards, etc.

For a complete list of outputs for each asset type, see [Using the DescribeConfigurations Action](#) in the *AWS Application Discovery Service User Guide*.

Request Syntax

```
{
  "configurationIds": [ "string" ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[configurationIds](#)

One or more configuration IDs.

Type: Array of strings

Length Constraints: Maximum length of 200.

Pattern: `\S*`

Required: Yes

Response Syntax

```
{
  "configurations": [
    {
      "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.

configurations

A key in the response map. The value is an array of data.

Type: Array of string to string maps

Key Length Constraints: Maximum length of 10000.

Key Pattern: `[\s\S]*`

Value Length Constraints: Maximum length of 10000.

Value Pattern: `[\s\S]*`

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Describe configurations

The following example queries configuration descriptions of two applications as specified by the values passed to the parameter `configurationIds` in the request. Note that the configuration ID's passed meet the requirement that they represent the same asset type, in this example, *application*.

Sample Request

```
{
  "configurationIds": [
    "d-application-0282ccd1ba7c211ca",
    "d-application-034219054305e4a34"
  ]
}
```

```
}
```

Sample Response

```
{
  "configurations": [
    {
      "application.configurationId": "d-application-0282ccd1ba7c211ca",
      "application.description": "ads CreateApplication",
      "application.lastModifiedTime": "2018-02-27 00:48:16.0",
      "application.name": "adsdp2",
      "application.serverCount": "2",
      "application.timeOfCreation": "2018-02-27 00:48:16.0"
    },
    {
      "application.configurationId": "d-application-034219054305e4a34",
      "application.description": "ads CreateApplication place holder app",
      "application.lastModifiedTime": "2018-02-27 23:33:32.0",
      "application.name": "adsdp2_ph1",
      "application.serverCount": "0",
      "application.timeOfCreation": "2018-02-27 23:33:32.0"
    }
  ]
}
```

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](#)

DescribeContinuousExports

Lists exports as specified by ID. All continuous exports associated with your user can be listed if you call `DescribeContinuousExports` as is without passing any parameters.

Request Syntax

```
{
  "exportIds": [ "string" ],
  "maxResults": number,
  "nextToken": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

exportIds

The unique IDs assigned to the exports.

Type: Array of strings

Length Constraints: Maximum length of 200.

Pattern: `\S*`

Required: No

maxResults

A number between 1 and 100 specifying the maximum number of continuous export descriptions returned.

Type: Integer

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

Required: No

nextToken

The token from the previous call to DescribeExportTasks.

Type: String

Required: No

Response Syntax

```
{
  "descriptions": [
    {
      "dataSource": "string",
      "exportId": "string",
      "s3Bucket": "string",
      "schemaStorageConfig": {
        "string" : "string"
      },
      "startTime": number,
      "status": "string",
      "statusDetail": "string",
      "stopTime": number
    }
  ],
  "nextToken": "string"
}
```

Response Elements

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

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

descriptions

A list of continuous export descriptions.

Type: Array of [ContinuousExportDescription](#) objects

nextToken

The token from the previous call to DescribeExportTasks.

Type: String

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

OperationNotPermittedException

This operation is not permitted.

HTTP Status Code: 400

ResourceNotFoundException

The specified configuration ID was not located. Verify the configuration ID and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Describe a continuous export

The following example shows the request and response of describing a particular continuous export specified by passing in a value to `exportId` as well as other filtering parameters.

Sample Request

```
{
  "maxResults": 10,
  "nextToken":
  "rLH9RloHsWvY1sljKfLwlmHioorNIJJ1TC9MD06HolpInQgsQKfk30Zu5n9YP59JZ5k5NzAqs6YerZWY",
  "exportIds": [
    "continuous-export-181b77c3-7jf3-4610-924e-7acafe5bbc59"
  ]
}
```

Sample Response

```
{
  "descriptions": [
    {
      "exportId": "continuous-export-181b77c3-7jf3-4610-924e-7acafe5bbc59",
      "status": "ACTIVE"
    },
    {
      "schemaStorageConfig": {
        "databaseName": "application_discovery_service_database"
      },
      "startTime": 1531248144.117,
      "exportId": "continuous-export-181b77c3-7jf3-4610-924e-7acafe5bbc59",
      "s3Bucket": "aws-application-discovery-service-92costafer5c9vn0qjane94mi",
      "status": "STOP_IN_PROGRESS",
      "stopTime": 1531248232.085,
      "statusDetail": "",
      "dataSource": "AGENT"
    }
  ]
}
```

```
]
}
```

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](#)

DescribeExportConfigurations

DescribeExportConfigurations is deprecated. Use [DescribeExportTasks](#), instead.

Request Syntax

```
{
  "exportIds": [ "string" ],
  "maxResults": number,
  "nextToken": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[exportIds](#)

A list of continuous export IDs to search for.

Type: Array of strings

Length Constraints: Maximum length of 200.

Pattern: `\S*`

Required: No

[maxResults](#)

A number between 1 and 100 specifying the maximum number of continuous export descriptions returned.

Type: Integer

Required: No

[nextToken](#)

The token from the previous call to describe-export-tasks.

Type: String

Required: No

Response Syntax

```
{
  "exportsInfo": [
    {
      "configurationsDownloadUrl": "string",
      "exportId": "string",
      "exportRequestTime": number,
      "exportStatus": "string",
      "isTruncated": boolean,
      "requestedEndTime": number,
      "requestedStartTime": number,
      "statusMessage": "string"
    }
  ],
  "nextToken": "string"
}
```

Response Elements

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

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

exportsInfo

Type: Array of [ExportInfo](#) objects

nextToken

The token from the previous call to describe-export-tasks.

Type: String

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ResourceNotFoundException

The specified configuration ID was not located. Verify the configuration ID and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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](#)

DescribeExportTasks

Retrieve status of one or more export tasks. You can retrieve the status of up to 100 export tasks.

Request Syntax

```
{
  "exportIds": [ "string" ],
  "filters": [
    {
      "condition": "string",
      "name": "string",
      "values": [ "string" ]
    }
  ],
  "maxResults": number,
  "nextToken": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

exportIds

One or more unique identifiers used to query the status of an export request.

Type: Array of strings

Length Constraints: Maximum length of 200.

Pattern: $\backslash S^*$

Required: No

filters

One or more filters.

- AgentId - ID of the agent whose collected data will be exported

Type: Array of [ExportFilter](#) objects

Required: No

[maxResults](#)

The maximum number of volume results returned by `DescribeExportTasks` in paginated output. When this parameter is used, `DescribeExportTasks` only returns `maxResults` results in a single page along with a `nextToken` response element.

Type: Integer

Required: No

[nextToken](#)

The `nextToken` value returned from a previous paginated `DescribeExportTasks` request where `maxResults` was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the `nextToken` value. This value is null when there are no more results to return.

Type: String

Required: No

Response Syntax

```
{
  "exportsInfo": [
    {
      "configurationsDownloadUrl": "string",
      "exportId": "string",
      "exportRequestTime": number,
      "exportStatus": "string",
      "isTruncated": boolean,
      "requestedEndTime": number,
      "requestedStartTime": number,
      "statusMessage": "string"
    }
  ],
  "nextToken": "string"
}
```

Response Elements

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

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

exportsInfo

Contains one or more sets of export request details. When the status of a request is SUCCEEDED, the response includes a URL for an Amazon S3 bucket where you can view the data in a CSV file.

Type: Array of [ExportInfo](#) objects

nextToken

The nextToken value to include in a future DescribeExportTasks request. When the results of a DescribeExportTasks request exceed maxResults, this value can be used to retrieve the next page of results. This value is null when there are no more results to return.

Type: String

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

In the following example or examples, the Authorization header contents (AUTHPARAMS) must be replaced with an AWS Signature Version 4 signature. For more information about creating these signatures, see [Signature Version 4 Signing Process](#) in the *AWS General Reference*.

You only need to learn how to sign HTTP requests if you intend to manually create them. When you use the [AWS Command Line Interface \(AWS CLI\)](#) or one of the [AWS SDKs](#) to make requests to AWS, these tools automatically sign the requests for you with the access key that you specify when you configure the tools. When you use these tools, you don't need to learn how to sign requests yourself.

Retrieve status of two specified export tasks

This example illustrates one usage of DescribeExportTasks.

Sample Request

```
POST / HTTP/1.1
Host: discovery.us-west-2.amazonaws.com
Accept-Encoding: identity
Content-Length: 109
X-Amz-Target: AWSPoseidonService_V2015_11_01.DescribeExportTasks
X-Amz-Date: 20170308T232123Z
Content-Type: application/x-amz-json-1.1
Authorization: AUTHPARAMS

{
  "exportIds": [
```

```
    "export-123a4b56-7c89-01d2-3ef4-example5678f",
    "export-654a3b21-7c89-01d2-3ef4-example8765f"
  ]
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 123a4b56-7c89-01d2-3ef4-example5678f
Content-Type: application/x-amz-json-1.1
Content-Length: 1140
Date: Wed, 08 Mar 2017 23:21:25 GMT

{
  "exportsInfo":[
    {
      "configurationsDownloadUrl":"[URL]",
      "exportId":"export-123a4b56-7c89-01d2-3ef4-example5678f",
      "exportRequestTime":1.489001254713E9,
      "exportStatus":"SUCCEEDED",
      "statusMessage":"Data export ran successfully and is accessible from the
download URL. The URL will expire in 24 hours. The export data expires in 10 days."
    },
    {
      "configurationsDownloadUrl":"[URL]",
      "exportId":"export-654a3b21-7c89-01d2-3ef4-example8765f",
      "exportRequestTime":1.488920016713E9,
      "exportStatus":"SUCCEEDED",
      "statusMessage":"Data export ran successfully and is accessible from the
download URL. The URL will expire in 24 hours. The export data expires in 10 days."
    }
  ],
  "nextToken":""
}
```

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](#)

DescribeImportTasks

Returns an array of import tasks for your account, including status information, times, IDs, the Amazon S3 Object URL for the import file, and more.

Request Syntax

```
{
  "filters": [
    {
      "name": "string",
      "values": [ "string" ]
    }
  ],
  "maxResults": number,
  "nextToken": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

filters

An array of name-value pairs that you provide to filter the results for the DescribeImportTask request to a specific subset of results. Currently, wildcard values aren't supported for filters.

Type: Array of [ImportTaskFilter](#) objects

Required: No

maxResults

The maximum number of results that you want this request to return, up to 100.

Type: Integer

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

Required: No

nextToken

The token to request a specific page of results.

Type: String

Required: No

Response Syntax

```
{
  "nextToken": "string",
  "tasks": [
    {
      "applicationImportFailure": number,
      "applicationImportSuccess": number,
      "clientRequestToken": "string",
      "errorsAndFailedEntriesZip": "string",
      "importCompletionTime": number,
      "importDeletedTime": number,
      "importRequestTime": number,
      "importTaskId": "string",
      "importUrl": "string",
      "name": "string",
      "serverImportFailure": number,
      "serverImportSuccess": number,
      "status": "string"
    }
  ]
}
```

Response Elements

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

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

nextToken

The token to request the next page of results.

Type: String

tasks

A returned array of import tasks that match any applied filters, up to the specified number of maximum results.

Type: Array of [ImportTask](#) objects

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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](#)

DescribeTags

Retrieves a list of configuration items that have tags as specified by the key-value pairs, name and value, passed to the optional parameter `filters`.

There are three valid tag filter names:

- `tagKey`
- `tagValue`
- `configurationId`

Also, all configuration items associated with your user that have tags can be listed if you call `DescribeTags` as is without passing any parameters.

Request Syntax

```
{
  "filters": [
    {
      "name": "string",
      "values": [ "string" ]
    }
  ],
  "maxResults": number,
  "nextToken": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

filters

You can filter the list using a *key-value* format. You can separate these items by using logical operators. Allowed filters include `tagKey`, `tagValue`, and `configurationId`.

Type: Array of [TagFilter](#) objects

Required: No

maxResults

The total number of items to return in a single page of output. The maximum value is 100.

Type: Integer

Required: No

nextToken

A token to start the list. Use this token to get the next set of results.

Type: String

Required: No

Response Syntax

```
{
  "nextToken": "string",
  "tags": [
    {
      "configurationId": "string",
      "configurationType": "string",
      "key": "string",
      "timeOfCreation": number,
      "value": "string"
    }
  ]
}
```

Response Elements

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

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

nextToken

The call returns a token. Use this token to get the next set of results.

Type: String

tags

Depending on the input, this is a list of configuration items tagged with a specific tag, or a list of tags for a specific configuration item.

Type: Array of [ConfigurationTag](#) objects

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ResourceNotFoundException

The specified configuration ID was not located. Verify the configuration ID and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Describe tags that have a particular value

The following example lists configuration items associated with an agent installed on a linux server. This is done by passing object array values to the parameter `filters` where `name` is "tagValue" and `value` is "agent on linux server". This results in a descriptive response that lists configuration item details where the tag value is equal to the value specified in the request.

Sample Request

```
{
  "filters": [
    {
      "name": "tagValue",
      "values": [ "agent on linux server" ]
    }
  ]
}
```

Sample Response

```
{
  "tags": [
    {
      "configurationType": "SERVER",
      "configurationId": "d-server-0c269e353e6d1fb4c",
      "key": "dp2",
      "value": "agent on linux server",
      "timeOfCreation": 1519674610.0
    }
  ],
  "nextToken": "0039038d504694533"
```

```
}
```

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](#)

DisassociateConfigurationItemsFromApplication

Disassociates one or more configuration items from an application.

Request Syntax

```
{
  "applicationConfigurationId": "string",
  "configurationIds": [ "string" ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

applicationConfigurationId

Configuration ID of an application from which each item is disassociated.

Type: String

Length Constraints: Maximum length of 200.

Pattern: \S+

Required: Yes

configurationIds

Configuration ID of each item to be disassociated from an application.

Type: Array of strings

Length Constraints: Maximum length of 200.

Pattern: \S*

Required: Yes

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](#).

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Disassociate configuration items from an application

The following example disassociates two Application Discovery Service discovered resources specified by their configuration ids from the application identified by the value passed to the required parameter `applicationConfigurationId` in the request.

Sample Request

```
{
  "applicationConfigurationId": "d-application-0039038d504694533",
  "configurationIds": [
    "d-server-0025db43a885966c8",
    "d-server-0f0a32a0db4217bd6"
  ]
}
```

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](#)

ExportConfigurations

Deprecated. Use `StartExportTask` instead.

Exports all discovered configuration data to an Amazon S3 bucket or an application that enables you to view and evaluate the data. Data includes tags and tag associations, processes, connections, servers, and system performance. This API returns an export ID that you can query using the *DescribeExportConfigurations* API. The system imposes a limit of two configuration exports in six hours.

Response Syntax

```
{
  "exportId": "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.

exportId

A unique identifier that you can use to query the export status.

Type: String

Length Constraints: Maximum length of 200.

Pattern: `\S*`

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

OperationNotPermittedException

This operation is not permitted.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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](#)

GetDiscoverySummary

Retrieves a short summary of discovered assets.

This API operation takes no request parameters and is called as is at the command prompt as shown in the example.

Response Syntax

```
{
  "agentlessCollectorSummary": {
    "activeAgentlessCollectors": number,
    "denyListedAgentlessCollectors": number,
    "healthyAgentlessCollectors": number,
    "shutdownAgentlessCollectors": number,
    "totalAgentlessCollectors": number,
    "unhealthyAgentlessCollectors": number,
    "unknownAgentlessCollectors": number
  },
  "agentSummary": {
    "activeAgents": number,
    "blackListedAgents": number,
    "healthyAgents": number,
    "shutdownAgents": number,
    "totalAgents": number,
    "unhealthyAgents": number,
    "unknownAgents": number
  },
  "applications": number,
  "connectorSummary": {
    "activeConnectors": number,
    "blackListedConnectors": number,
    "healthyConnectors": number,
    "shutdownConnectors": number,
    "totalConnectors": number,
    "unhealthyConnectors": number,
    "unknownConnectors": number
  },
  "meCollectorSummary": {
    "activeMeCollectors": number,
    "denyListedMeCollectors": number,
    "healthyMeCollectors": number,
    "shutdownMeCollectors": number,

```

```
    "totalMeCollectors": number,
    "unhealthyMeCollectors": number,
    "unknownMeCollectors": number
  },
  "servers": number,
  "serversMappedToApplications": number,
  "serversMappedtoTags": number
}
```

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.

agentlessCollectorSummary

Details about Agentless Collector collectors, including status.

Type: [CustomerAgentlessCollectorInfo](#) object

agentSummary

Details about discovered agents, including agent status and health.

Type: [CustomerAgentInfo](#) object

applications

The number of applications discovered.

Type: Long

connectorSummary

Details about discovered connectors, including connector status and health.

Type: [CustomerConnectorInfo](#) object

meCollectorSummary

Details about Migration Evaluator collectors, including collector status and health.

Type: [CustomerMeCollectorInfo](#) object

servers

The number of servers discovered.

Type: Long

serversMappedToApplications

The number of servers mapped to applications.

Type: Long

serversMappedtoTags

The number of servers mapped to tags.

Type: Long

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Get discovery summary of discovered assets

In the following example `GetDiscoverySummary` is called as is, without any request parameters, directly from the AWS CLI and returns a summary of all discovered assets associated with your account.

Sample Request

```
$ aws discovery get-discovery-summary
```

Sample Response

```
{
  "servers": 1370,
  "applications": 125,
  "serversMappedToApplications": 212,
  "serversMappedtoTags": 213,
  "agentlessCollectorSummary": {
    "activeAgentlessCollectors": 3,
    "denyListedAgentlessCollectors": 0,
    "healthyAgentlessCollectors": 3,
    "shutdownAgentlessCollectors": 0,
    "totalAgentlessCollectors": 15,
    "unhealthyAgentlessCollectors": 0,
    "unknownAgentlessCollectors": 12
  },
  "agentSummary": {
    "activeAgents": 3,
    "healthyAgents": 3,
    "blackListedAgents": 0,
    "shutdownAgents": 0,
    "unhealthyAgents": 0,
  }
}
```

```
    "totalAgents": 16,
    "unknownAgents": 13
  },
  "connectorSummary": {
    "activeConnectors": 1,
    "healthyConnectors": 1,
    "blackListedConnectors": 0,
    "shutdownConnectors": 0,
    "unhealthyConnectors": 1,
    "totalConnectors": 2,
    "unknownConnectors": 0
  },
  "meCollectorSummary": {
    "activeMeCollectors": 1,
    "denyListedMeCollectors": 0,
    "healthyMeCollectors": 1,
    "shutdownMeCollectors": 0,
    "totalMeCollectors": 2,
    "unhealthyMeCollectors": 1,
    "unknownMeCollectors": 0
  }
}
```

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](#)

ListConfigurations

Retrieves a list of configuration items as specified by the value passed to the required parameter `configurationType`. Optional filtering may be applied to refine search results.

Request Syntax

```
{
  "configurationType": "string",
  "filters": [
    {
      "condition": "string",
      "name": "string",
      "values": [ "string" ]
    }
  ],
  "maxResults": number,
  "nextToken": "string",
  "orderBy": [
    {
      "fieldName": "string",
      "sortOrder": "string"
    }
  ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

configurationType

A valid configuration identified by Application Discovery Service.

Type: String

Valid Values: SERVER | PROCESS | CONNECTION | APPLICATION

Required: Yes

filters

You can filter the request using various logical operators and a *key-value* format. For example:

```
{"key": "serverType", "value": "webServer"}
```

For a complete list of filter options and guidance about using them with this action, see [Using the ListConfigurations Action](#) in the *AWS Application Discovery Service User Guide*.

Type: Array of [Filter](#) objects

Required: No

maxResults

The total number of items to return. The maximum value is 100.

Type: Integer

Required: No

nextToken

Token to retrieve the next set of results. For example, if a previous call to ListConfigurations returned 100 items, but you set ListConfigurationsRequest\$maxResults to 10, you received a set of 10 results along with a token. Use that token in this query to get the next set of 10.

Type: String

Required: No

orderBy

Certain filter criteria return output that can be sorted in ascending or descending order. For a list of output characteristics for each filter, see [Using the ListConfigurations Action](#) in the *AWS Application Discovery Service User Guide*.

Type: Array of [OrderByElement](#) objects

Required: No

Response Syntax

```
{
```

```
"configurations": [  
  {  
    "string" : "string"  
  }  
],  
"nextToken": "string"  
}
```

Response Elements

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

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

configurations

Returns configuration details, including the configuration ID, attribute names, and attribute values.

Type: Array of string to string maps

Key Length Constraints: Maximum length of 10000.

Key Pattern: `[\s\S]*`

Value Length Constraints: Maximum length of 10000.

Value Pattern: `[\s\S]*`

nextToken

Token to retrieve the next set of results. For example, if your call to `ListConfigurations` returned 100 items, but you set `ListConfigurationsRequest$maxResults` to 10, you received a set of 10 results along with this token. Use this token in the next query to retrieve the next set of 10.

Type: String

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ResourceNotFoundException

The specified configuration ID was not located. Verify the configuration ID and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

List configurations based on server type

The following example lists server configurations where the server type is an EC2 instance. This is done by passing the value "SERVER" to the required parameter `configurationType`. Then, to limit the results to just EC2 servers, object array values are passed to the parameter `filters`

where condition is "EQUALS", name is "server.type", and values is "EC2". A sorting refinement is also used in this example by passing values to the parameter `orderBy` that sorts the results by the server's OS name in reverse alphabetical order.

Sample Request

```
{
  "configurationType": "SERVER",
  "filters": [
    {
      "condition": "EQUALS",
      "name": "server.type",
      "values": [ "EC2" ]
    }
  ],
  "orderBy": [
    {
      "fieldName": "server.osName",
      "sortOrder": "DESC"
    }
  ]
}
```

Sample Response

```
{
  "configurations": [
    {
      "server.agentId": "i-0adf772ed9f61445a",
      "server.configurationId": "d-server-062d1f42166d190a4",
      "server.hostName": "WIN-7092JH2AKNB",
      "server.osName": "WindowsOS - Windows Server 2012 R2 x64",
      "server.osVersion": "6.2.9200",
      "server.source": "Agent",
      "server.timeOfCreation": "2017-10-09 20:42:25.0",
      "server.type": "EC2"
    },
    {
      "server.agentId": "i-0243426187d59c9c3",
      "server.configurationId": "d-server-0fc7f9126ed1c2be7",
      "server.hostName": "ip-10-0-0-22.us-west-2.compute.internal",

```

```
        "server.osName": "Linux - Red Hat Enterprise Linux Server release 7.3  
(Maipo)",  
        "server.osVersion": "3.10.0-514.el7.x86_64",  
        "server.source": "Agent",  
        "server.timeOfCreation": "2017-04-06 19:58:15.0",  
        "server.type": "EC2"  
    }  
}
```

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](#)

ListServerNeighbors

Retrieves a list of servers that are one network hop away from a specified server.

Request Syntax

```
{
  "configurationId": "string",
  "maxResults": number,
  "neighborConfigurationIds": [ "string" ],
  "nextToken": "string",
  "portInformationNeeded": boolean
}
```

Request Parameters

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

The request accepts the following data in JSON format.

configurationId

Configuration ID of the server for which neighbors are being listed.

Type: String

Length Constraints: Maximum length of 200.

Pattern: \S*

Required: Yes

maxResults

Maximum number of results to return in a single page of output.

Type: Integer

Required: No

neighborConfigurationIds

List of configuration IDs to test for one-hop-away.

Type: Array of strings

Length Constraints: Maximum length of 200.

Pattern: `\S*`

Required: No

nextToken

Token to retrieve the next set of results. For example, if you previously specified 100 IDs for `ListServerNeighborsRequest$neighborConfigurationIds` but set `ListServerNeighborsRequest$maxResults` to 10, you received a set of 10 results along with a token. Use that token in this query to get the next set of 10.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: No

portInformationNeeded

Flag to indicate if port and protocol information is needed as part of the response.

Type: Boolean

Required: No

Response Syntax

```
{
  "knownDependencyCount": number,
  "neighbors": [
    {
      "connectionsCount": number,
      "destinationPort": number,
      "destinationServerId": "string",
      "sourceServerId": "string",
      "transportProtocol": "string"
    }
  ]
}
```

```
  ],  
  "nextToken": "string"  
}
```

Response Elements

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

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

knownDependencyCount

Count of distinct servers that are one hop away from the given server.

Type: Long

neighbors

List of distinct servers that are one hop away from the given server.

Type: Array of [NeighborConnectionDetail](#) objects

nextToken

Token to retrieve the next set of results. For example, if you specified 100 IDs for `ListServerNeighborsRequest$neighborConfigurationIds` but set `ListServerNeighborsRequest$maxResults` to 10, you received a set of 10 results along with this token. Use this token in the next query to retrieve the next set of 10.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

List server neighbors

The following example requests to find out if there are any server neighbors that are one network hop away from the server specified in the required parameter `configurationId`. Port information is also requested by passing "true" to the boolean parameter `portInformationNeeded` (note that boolean parameters must be passed as all lowercase without any quotes). In this particular example, no server neighbors are found that are one network hop away.

Sample Request

```
{
  "configurationId": "d-server-0974b967a76335589",
```

```
"neighborConfigurationIds": [ "d-server-0c269e353e6d1fb4c", "d-  
server-01440c9c5df26ae50" ],  
  "portInformationNeeded": true  
}
```

Sample Response

```
{  
  "neighbors": [],  
  "knownDependencyCount": 0  
}
```

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](#)

StartBatchDeleteConfigurationTask

Takes a list of configurationId as input and starts an asynchronous deletion task to remove the configurationItems. Returns a unique deletion task identifier.

Request Syntax

```
{  
  "configurationIds": [ "string" ],  
  "configurationType": "string"  
}
```

Request Parameters

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

The request accepts the following data in JSON format.

configurationIds

The list of configuration IDs that will be deleted by the task.

Type: Array of strings

Length Constraints: Maximum length of 200.

Pattern: \S*

Required: Yes

configurationType

The type of configuration item to delete. Supported types are: SERVER.

Type: String

Valid Values: SERVER

Required: Yes

Response Syntax

```
{
```

```
"taskId": "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.

taskId

The unique identifier associated with the newly started deletion task.

Type: String

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

LimitExceededException

The limit of 200 configuration IDs per request has been exceeded.

HTTP Status Code: 400

OperationNotPermittedException

This operation is not permitted.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

The following example shows the request syntax to start a deletion task for a batch of SERVER configurations, specified by the value passed to the required parameters of `configurationIds` and `configurationType`.

Sample Request

```
{
  "configurationType": "SERVER",
  "configurationIds": ["d-server-029yqlktuw2udm", "d-server-03alnm4z74f77f"]
}
```

The following example shows the response for a successful `StartBatchDeleteConfigurationTask` API call.

Sample Response

```
{
  "taskId": "b941cc54-b0df-4cdd-90fc-70ef4293dfce"
}
```


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](#)

StartContinuousExport

Start the continuous flow of agent's discovered data into Amazon Athena.

Response Syntax

```
{
  "dataSource": "string",
  "exportId": "string",
  "s3Bucket": "string",
  "schemaStorageConfig": {
    "string" : "string"
  },
  "startTime": number
}
```

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.

dataSource

The type of data collector used to gather this data (currently only offered for AGENT).

Type: String

Valid Values: AGENT

exportId

The unique ID assigned to this export.

Type: String

Length Constraints: Maximum length of 200.

Pattern: \S*

s3Bucket

The name of the s3 bucket where the export data parquet files are stored.

Type: String

schemaStorageConfig

A dictionary which describes how the data is stored.

- `databaseName` - the name of the Glue database used to store the schema.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 252.

Value Length Constraints: Maximum length of 10000.

Value Pattern: `[\s\S]*`

startTime

The timestamp representing when the continuous export was started.

Type: Timestamp

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

ConflictErrorException

Conflict error.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

OperationNotPermittedException

This operation is not permitted.

HTTP Status Code: 400

ResourceInUseException

This issue occurs when the same `clientRequestToken` is used with the `StartImportTask` action, but with different parameters. For example, you use the same request token but have two different import URLs, you can encounter this issue. If the import tasks are meant to be different, use a different `clientRequestToken`, and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Start a continuous export

The following example shows the response of starting a continuous export.

Sample Response

```
{
```

```
"startTime": 1531247730.19,  
"dataSource": "AGENT",  
"schemaStorageConfig": {  
  "databaseName": "application_discovery_service_database"  
},  
"exportId": "continuous-export-181b77c3-7jf3-4610-924e-7acafe5bbc59",  
"s3Bucket": "aws-application-discovery-service-92costafer5c9vn0qjane94mi"  
}
```

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](#)

StartDataCollectionByAgentIds

Instructs the specified agents to start collecting data.

Request Syntax

```
{
  "agentIds": [ "string" ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

agentIds

The IDs of the agents from which to start collecting data. If you send a request to an agent ID that you do not have permission to contact, according to your AWS account, the service does not throw an exception. Instead, it returns the error in the *Description* field. If you send a request to multiple agents and you do not have permission to contact some of those agents, the system does not throw an exception. Instead, the system shows Failed in the *Description* field.

Type: Array of strings

Length Constraints: Minimum length of 10. Maximum length of 20.

Pattern: \S+

Required: Yes

Response Syntax

```
{
  "agentsConfigurationStatus": [
    {
      "agentId": "string",
```

```
    "description": "string",  
    "operationSucceeded": boolean  
  }  
]  
}
```

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.

agentsConfigurationStatus

Information about agents that were instructed to start collecting data. Information includes the agent ID, a description of the operation performed, and whether the agent configuration was updated.

Type: Array of [AgentConfigurationStatus](#) objects

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Start data collection by agent ids for one agent

In the following example, multiple agent ids are passed to the required parameter `agentIds` to start one agent. In the response, the first agent id returned is reported as started successfully, in the second agent id returned, the description reads "Redundant", which means that a request was sent to start an agent that was already running.

Sample Request

```
{
  "agentIds": [ "c-a07gapohc6spvd165", "i-0afec73de85777dd0" ]
}
```

Sample Response

```
{
  "agentsConfigurationStatus": [
    {
      "agentId": "c-a07gapohc6spvd165",
      "operationSucceeded": true,
      "description": "Succeeded"
    },
    {
      "agentId": "i-0afec73de85777dd0",
```



```
        "operationSucceeded": false,  
        "description": "Redundant"  
    }  
]  
}
```

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](#)

StartExportTask

Begins the export of a discovered data report to an Amazon S3 bucket managed by AWS.

Note

Exports might provide an estimate of fees and savings based on certain information that you provide. Fee estimates do not include any taxes that might apply. Your actual fees and savings depend on a variety of factors, including your actual usage of AWS services, which might vary from the estimates provided in this report.

If you do not specify preferences or agentIds in the filter, a summary of all servers, applications, tags, and performance is generated. This data is an aggregation of all server data collected through on-premises tooling, file import, application grouping and applying tags.

If you specify agentIds in a filter, the task exports up to 72 hours of detailed data collected by the identified Application Discovery Agent, including network, process, and performance details. A time range for exported agent data may be set by using `startTime` and `endTime`. Export of detailed agent data is limited to five concurrently running exports. Export of detailed agent data is limited to two exports per day.

If you enable `ec2RecommendationsPreferences` in preferences [ExportPreferences](#), an Amazon EC2 instance matching the characteristics of each server in Application Discovery Service is generated. Changing the attributes of the `ec2RecommendationsPreferences` changes the criteria of the recommendation.

Request Syntax

```
{
  "endTime": number,
  "exportDataFormat": [ "string" ],
  "filters": [
    {
      "condition": "string",
      "name": "string",
      "values": [ "string" ]
    }
  ],
}
```

```
"preferences": { ... },  
"startTime": number  
}
```

Request Parameters

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

The request accepts the following data in JSON format.

endTime

The end timestamp for exported data from the single Application Discovery Agent selected in the filters. If no value is specified, exported data includes the most recent data collected by the agent.

Type: Timestamp

Required: No

exportDataFormat

The file format for the returned export data. Default value is CSV. **Note:** *The GRAPHML option has been deprecated.*

Type: Array of strings

Valid Values: CSV

Required: No

filters

If a filter is present, it selects the single agentId of the Application Discovery Agent for which data is exported. The agentId can be found in the results of the DescribeAgents API or CLI. If no filter is present, startTime and endTime are ignored and exported data includes both AWS Application Discovery Service Agentless Collector collectors data and summary data from Application Discovery Agent agents.

Type: Array of [ExportFilter](#) objects

Required: No

preferences

Indicates the type of data that needs to be exported. Only one [ExportPreferences](#) can be enabled at any time.

Type: [ExportPreferences](#) object

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

Required: No

startTime

The start timestamp for exported data from the single Application Discovery Agent selected in the filters. If no value is specified, data is exported starting from the first data collected by the agent.

Type: Timestamp

Required: No

Response Syntax

```
{  
  "exportId": "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.

exportId

A unique identifier used to query the status of an export request.

Type: String

Length Constraints: Maximum length of 200.

Pattern: \S*

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

OperationNotPermittedException

This operation is not permitted.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

In the following example or examples, the Authorization header contents (AUTHPARAMS) must be replaced with an AWS Signature Version 4 signature. For more information about creating these signatures, see [Signature Version 4 Signing Process](#) in the *AWS General Reference*.

You only need to learn how to sign HTTP requests if you intend to manually create them. When you use the [AWS Command Line Interface \(AWS CLI\)](#) or one of the [AWS SDKs](#) to make requests to AWS, these tools automatically sign the requests for you with the access key that you specify when you configure the tools. When you use these tools, you don't need to learn how to sign requests yourself.

Specify export preferences

This example illustrates one usage of StartExportTask.

Sample Request

```
POST / HTTP/1.1
Host: discovery.us-west-2.amazonaws.com
Accept-Encoding: gzip, deflate
X-Amz-Target: AWSPoseidonService_V2015_11_01.StartExportTask
Content-Type: application/x-amz-json-1.1
Authorization: AUTHPARAMS

{
  "preferences": {
    "ec2RecommendationsPreferences": {
      "enabled": true,
      "cpuPerformanceMetricBasis": {
        "name": "AVG",
        "percentageAdjust": 3.14159
      },
      "ramPerformanceMetricBasis": {
        "name": "MAX",
        "percentageAdjust": 3.14159
      },
      "tenancy": "DEDICATED",
      "excludedInstanceTypes": ["m5.4xlarge", "r3.large"],
      "preferredRegion": "us-west-2",
      "reservedInstanceOptions": {
        "purchasingOption": "ALL_UPFRONT",
```

```
        "offeringClass": "STANDARD",
        "termLength": "ONE_YEAR"
    }
}
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 123a4b56-7c89-01d2-3ef4-example5678f
Content-Type: application/x-amz-json-1.1
Content-Length: 58
Date: Tue, 13 Jun 2023 00:44:54 GMT

{
  "exportId": "export-123a4b56-7c89-01d2-3ef4-example5678f"
}
```

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](#)

StartImportTask

Starts an import task, which allows you to import details of your on-premises environment directly into AWS Migration Hub without having to use the AWS Application Discovery Service (Application Discovery Service) tools such as the AWS Application Discovery Service Agentless Collector or Application Discovery Agent. This gives you the option to perform migration assessment and planning directly from your imported data, including the ability to group your devices as applications and track their migration status.

To start an import request, do this:

1. Download the specially formatted comma separated value (CSV) import template, which you can find here: https://s3.us-west-2.amazonaws.com/templates-7cfcf56-bd96-4b1c-b45b-a5b42f282e46/import_template.csv.
2. Fill out the template with your server and application data.
3. Upload your import file to an Amazon S3 bucket, and make a note of its Object URL. Your import file must be in the CSV format.
4. Use the console or the `StartImportTask` command with the AWS CLI or one of the AWS SDKs to import the records from your file.

For more information, including step-by-step procedures, see [Migration Hub Import](#) in the *AWS Application Discovery Service User Guide*.

Note

There are limits to the number of import tasks you can create (and delete) in an AWS account. For more information, see [AWS Application Discovery Service Limits](#) in the *AWS Application Discovery Service User Guide*.

Request Syntax

```
{
  "clientRequestToken": "string",
  "importUrl": "string",
  "name": "string"
}
```


Request Parameters

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

The request accepts the following data in JSON format.

clientRequestToken

Optional. A unique token that you can provide to prevent the same import request from occurring more than once. If you don't provide a token, a token is automatically generated.

Sending more than one `StartImportTask` request with the same client request token will return information about the original import task with that client request token.

Type: String

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

Required: No

importUrl

The URL for your import file that you've uploaded to Amazon S3.

Note

If you're using the AWS CLI, this URL is structured as follows: `s3://BucketName/ImportFileName.CSV`

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4000.

Pattern: `\S+://\S+/[\\s\S]*\S[\\s\S]*`

Required: Yes

name

A descriptive name for this request. You can use this name to filter future requests related to this import task, such as identifying applications and servers that were included in this import task. We recommend that you use a meaningful name for each import task.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[\s\S]*\S[\s\S]*`

Required: Yes

Response Syntax

```
{
  "task": {
    "applicationImportFailure": number,
    "applicationImportSuccess": number,
    "clientRequestToken": "string",
    "errorsAndFailedEntriesZip": "string",
    "importCompletionTime": number,
    "importDeletedTime": number,
    "importRequestTime": number,
    "importTaskId": "string",
    "importUrl": "string",
    "name": "string",
    "serverImportFailure": number,
    "serverImportSuccess": number,
    "status": "string"
  }
}
```

Response Elements

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

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

task

An array of information related to the import task request including status information, times, IDs, the Amazon S3 Object URL for the import file, and more.

Type: [ImportTask](#) object

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ResourceInUseException

This issue occurs when the same `clientRequestToken` is used with the `StartImportTask` action, but with different parameters. For example, you use the same request token but have two different import URLs, you can encounter this issue. If the import tasks are meant to be different, use a different `clientRequestToken`, and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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](#)

StopContinuousExport

Stop the continuous flow of agent's discovered data into Amazon Athena.

Request Syntax

```
{
  "exportId": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

exportId

The unique ID assigned to this export.

Type: String

Length Constraints: Maximum length of 200.

Pattern: `\S*`

Required: Yes

Response Syntax

```
{
  "startTime": number,
  "stopTime": number
}
```

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.

startTime

Timestamp that represents when this continuous export started collecting data.

Type: Timestamp

stopTime

Timestamp that represents when this continuous export was stopped.

Type: Timestamp

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

OperationNotPermittedException

This operation is not permitted.

HTTP Status Code: 400

ResourceInUseException

This issue occurs when the same `clientRequestToken` is used with the `StartImportTask` action, but with different parameters. For example, you use the same request token but have two different import URLs, you can encounter this issue. If the import tasks are meant to be different, use a different `clientRequestToken`, and try again.

HTTP Status Code: 400

ResourceNotFoundException

The specified configuration ID was not located. Verify the configuration ID and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Stop a continuous export.

The following example shows the request and response of stopping a particular continuous export specified by passing in a value to `exportId`.

Sample Request

```
{
  "exportId": "continuous-export-181b77c3-7jf3-4610-924e-7acafe5bbc59"
}
```

Sample Response

```
{
  "ApplicationStatus": "IN_PROGRESS",
  "LastUpdatedTime": 1493405005.639
}
```

```
}
```

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](#)

StopDataCollectionByAgentIds

Instructs the specified agents to stop collecting data.

Request Syntax

```
{
  "agentIds": [ "string" ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

agentIds

The IDs of the agents from which to stop collecting data.

Type: Array of strings

Length Constraints: Minimum length of 10. Maximum length of 20.

Pattern: \S+

Required: Yes

Response Syntax

```
{
  "agentsConfigurationStatus": [
    {
      "agentId": "string",
      "description": "string",
      "operationSucceeded": boolean
    }
  ]
}
```

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.

agentsConfigurationStatus

Information about the agents that were instructed to stop collecting data. Information includes the agent ID, a description of the operation performed, and whether the agent configuration was updated.

Type: Array of [AgentConfigurationStatus](#) objects

Errors

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

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Stop data collection by agent ids for two agents

In the following example, multiple agent ids are passed to the required parameter `agentIds` to stop two agents. In the response, it is reported that both agents were stopped successfully.

Sample Request

```
{
  "agentIds": [ "i-0afec73de85777dd0","i-0b30b932b328cbd73" ]
}
```

Sample Response

```
{
  "agentsConfigurationStatus": [
    {
      "agentId": "i-0afec73de85777dd0",
      "operationSucceeded": true,
      "description": "Succeeded"
    },
    {
      "agentId": "i-0b30b932b328cbd73",
      "operationSucceeded": true,
      "description": "Succeeded"
    }
  ]
}
```

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](#)

UpdateApplication

Updates metadata about an application.

Request Syntax

```
{
  "configurationId": "string",
  "description": "string",
  "name": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

configurationId

Configuration ID of the application to be updated.

Type: String

Length Constraints: Maximum length of 200.

Pattern: `\S+`

Required: Yes

description

New description of the application to be updated.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `(^$|[\s\S]*\S[\s\S]*)`

Required: No

name

New name of the application to be updated.

Type: String

Length Constraints: Maximum length of 127.

Pattern: `[\s\S]*\S[\s\S]*`

Required: No

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](#).

AuthorizationErrorException

The user does not have permission to perform the action. Check the IAM policy associated with this user.

HTTP Status Code: 400

HomeRegionNotSetException

The home Region is not set. Set the home Region to continue.

HTTP Status Code: 400

InvalidParameterException

One or more parameters are not valid. Verify the parameters and try again.

HTTP Status Code: 400

InvalidParameterValueException

The value of one or more parameters are either invalid or out of range. Verify the parameter values and try again.

HTTP Status Code: 400

ServerInternalErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

Examples

Update application name and description

In the following example, both the name and the description are changed (updated) of an existing application. The application is identified by passing the application id to the required parameter `configurationId`.

Sample Request

```
{
  "configurationId": "d-application-03767f7bddd6c0531",
  "description": "PSoft financials db migration",
  "name": "payroll_db_migration"
}
```

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 AWS Application Discovery 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:

- [AgentConfigurationStatus](#)
- [AgentInfo](#)
- [AgentNetworkInfo](#)
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AgentConfigurationStatus

Information about agents that were instructed to start collecting data. Information includes the agent ID, a description of the operation, and whether the agent configuration was updated.

Contents

agentId

The agent ID.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: No

description

A description of the operation performed.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: No

operationSucceeded

Information about the status of the `StartDataCollection` and `StopDataCollection` operations. The system has recorded the data collection operation. The agent receives this command the next time it polls for a new command.

Type: Boolean

Required: No

See Also

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

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

AgentInfo

Information about agents associated with the user's AWS account. Information includes agent IDs, IP addresses, media access control (MAC) addresses, agent or collector status, hostname where the agent resides, and agent version for each agent.

Contents

agentId

The agent or collector ID.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 20.

Pattern: `\S+`

Required: No

agentNetworkInfoList

Network details about the host where the agent or collector resides.

Type: Array of [AgentNetworkInfo](#) objects

Required: No

agentType

Type of agent.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: No

collectionStatus

Status of the collection process for an agent.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: No

connectorId

The ID of the connector.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: No

health

The health of the agent.

Type: String

Valid Values: HEALTHY | UNHEALTHY | RUNNING | UNKNOWN | BLACKLISTED | SHUTDOWN

Required: No

hostName

The name of the host where the agent or collector resides. The host can be a server or virtual machine.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: No

lastHealthPingTime

Time since agent health was reported.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: No

registeredTime

Agent's first registration timestamp in UTC.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: No

version

The agent or collector version.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: No

See Also

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

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

AgentNetworkInfo

Network details about the host where the agent/collector resides.

Contents

ipAddress

The IP address for the host where the agent/collector resides.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: No

macAddress

The MAC address for the host where the agent/collector resides.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: No

See Also

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

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

BatchDeleteAgentError

An object representing the agent or data collector that failed to delete, each containing agentId, errorMessage, and errorCode.

Contents

agentId

The ID of the agent or data collector to delete.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 20.

Pattern: `\S+`

Required: Yes

errorCode

The type of error that occurred for the delete failed agent. Valid status are: AGENT_IN_USE | NOT_FOUND | INTERNAL_SERVER_ERROR.

Type: String

Valid Values: NOT_FOUND | INTERNAL_SERVER_ERROR | AGENT_IN_USE

Required: Yes

errorMessage

The description of the error that occurred for the delete failed agent.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: Yes

See Also

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

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

BatchDeleteConfigurationTask

A metadata object that represents the deletion task being executed.

Contents

configurationType

The type of configuration item to delete. Supported types are: SERVER.

Type: String

Valid Values: SERVER

Required: No

deletedConfigurations

The list of configuration IDs that were successfully deleted by the deletion task.

Type: Array of strings

Length Constraints: Maximum length of 200.

Pattern: \S*

Required: No

deletionWarnings

A list of configuration IDs that produced warnings regarding their deletion, paired with a warning message.

Type: Array of [DeletionWarning](#) objects

Required: No

endTime

An epoch seconds timestamp (UTC) of when the deletion task was completed or failed.

Type: Timestamp

Required: No

failedConfigurations

A list of configuration IDs that failed to delete during the deletion task, each paired with an error message.

Type: Array of [FailedConfiguration](#) objects

Required: No

requestedConfigurations

The list of configuration IDs that were originally requested to be deleted by the deletion task.

Type: Array of strings

Length Constraints: Maximum length of 200.

Pattern: `\S*`

Required: No

startTime

An epoch seconds timestamp (UTC) of when the deletion task was started.

Type: Timestamp

Required: No

status

The current execution status of the deletion task. Valid status are: `INITIALIZING | VALIDATING | DELETING | COMPLETED | FAILED`.

Type: String

Valid Values: `INITIALIZING | VALIDATING | DELETING | COMPLETED | FAILED`

Required: No

taskId

The deletion task's unique identifier.

Type: String

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: No

See Also

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

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

BatchDeleteImportDataError

Error messages returned for each import task that you deleted as a response for this command.

Contents

errorCode

The type of error that occurred for a specific import task.

Type: String

Valid Values: NOT_FOUND | INTERNAL_SERVER_ERROR | OVER_LIMIT

Required: No

errorDescription

The description of the error that occurred for a specific import task.

Type: String

Required: No

importTaskId

The unique import ID associated with the error that occurred.

Type: String

Length Constraints: Maximum length of 200.

Pattern: `^import-task-[a-fA-F0-9]{32}$`

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](#)

ConfigurationTag

Tags for a configuration item. Tags are metadata that help you categorize IT assets.

Contents

configurationId

The configuration ID for the item to tag. You can specify a list of keys and values.

Type: String

Length Constraints: Maximum length of 200.

Pattern: `\S*`

Required: No

configurationType

A type of IT asset to tag.

Type: String

Valid Values: `SERVER` | `PROCESS` | `CONNECTION` | `APPLICATION`

Required: No

key

A type of tag on which to filter. For example, *serverType*.

Type: String

Required: No

timeOfCreation

The time the configuration tag was created in Coordinated Universal Time (UTC).

Type: Timestamp

Required: No

value

A value on which to filter. For example *key = serverType* and *value = web server*.

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](#)

ContinuousExportDescription

A list of continuous export descriptions.

Contents

dataSource

The type of data collector used to gather this data (currently only offered for AGENT).

Type: String

Valid Values: AGENT

Required: No

exportId

The unique ID assigned to this export.

Type: String

Length Constraints: Maximum length of 200.

Pattern: \S*

Required: No

s3Bucket

The name of the s3 bucket where the export data parquet files are stored.

Type: String

Required: No

schemaStorageConfig

An object which describes how the data is stored.

- `databaseName` - the name of the Glue database used to store the schema.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 252.

Value Length Constraints: Maximum length of 10000.

Value Pattern: `[\s\S]*`

Required: No

startTime

The timestamp representing when the continuous export was started.

Type: Timestamp

Required: No

status

Describes the status of the export. Can be one of the following values:

- `START_IN_PROGRESS` - setting up resources to start continuous export.
- `START_FAILED` - an error occurred setting up continuous export. To recover, call `start-continuous-export` again.
- `ACTIVE` - data is being exported to the customer bucket.
- `ERROR` - an error occurred during export. To fix the issue, call `stop-continuous-export` and `start-continuous-export`.
- `STOP_IN_PROGRESS` - stopping the export.
- `STOP_FAILED` - an error occurred stopping the export. To recover, call `stop-continuous-export` again.
- `INACTIVE` - the continuous export has been stopped. Data is no longer being exported to the customer bucket.

Type: String

Valid Values: `START_IN_PROGRESS` | `START_FAILED` | `ACTIVE` | `ERROR` | `STOP_IN_PROGRESS` | `STOP_FAILED` | `INACTIVE`

Required: No

statusDetail

Contains information about any errors that have occurred. This data type can have the following values:

- **ACCESS_DENIED** - You don't have permission to start Data Exploration in Amazon Athena. Contact your AWS administrator for help. For more information, see [Setting Up AWS Application Discovery Service](#) in the Application Discovery Service User Guide.
- **DELIVERY_STREAM_LIMIT_FAILURE** - You reached the limit for Amazon Kinesis Data Firehose delivery streams. Reduce the number of streams or request a limit increase and try again. For more information, see [Kinesis Data Streams Limits](#) in the Amazon Kinesis Data Streams Developer Guide.
- **FIREHOSE_ROLE_MISSING** - The Data Exploration feature is in an error state because your user is missing the `AWSApplicationDiscoveryServiceFirehose` role. Turn on Data Exploration in Amazon Athena and try again. For more information, see [Creating the AWSApplicationDiscoveryServiceFirehose Role](#) in the Application Discovery Service User Guide.
- **FIREHOSE_STREAM_DOES_NOT_EXIST** - The Data Exploration feature is in an error state because your user is missing one or more of the Kinesis data delivery streams.
- **INTERNAL_FAILURE** - The Data Exploration feature is in an error state because of an internal failure. Try again later. If this problem persists, contact AWS Support.
- **LAKE_FORMATION_ACCESS_DENIED** - You don't have sufficient lake formation permissions to start continuous export. For more information, see [Upgrading AWS Glue Data Permissions to the AWS Lake Formation Model](#) in the *AWS Lake Formation Developer Guide*.

You can use one of the following two ways to resolve this issue.

1. If you don't want to use the Lake Formation permission model, you can change the default Data Catalog settings to use only AWS Identity and Access Management (IAM) access control for new databases. For more information, see [Change Data Catalog Settings](#) in the *Lake Formation Developer Guide*.
2. You can give the service-linked IAM roles `AWSServiceRoleForApplicationDiscoveryServiceContinuousExport` and `AWSApplicationDiscoveryServiceFirehose` the required Lake Formation permissions. For more information, see [Granting Database Permissions](#) in the *Lake Formation Developer Guide*.
 - a. `AWSServiceRoleForApplicationDiscoveryServiceContinuousExport` - Grant database creator permissions, which gives the role database creation ability and implicit permissions for any created tables. For more information, see [Implicit Lake Formation Permissions](#) in the *Lake Formation Developer Guide*.

b. `AWSApplicationDiscoveryServiceFirehose` - Grant describe permissions for all tables in the database.

- `S3_BUCKET_LIMIT_FAILURE` - You reached the limit for Amazon S3 buckets. Reduce the number of S3 buckets or request a limit increase and try again. For more information, see [Bucket Restrictions and Limitations](#) in the Amazon Simple Storage Service Developer Guide.
- `S3_NOT_SIGNED_UP` - Your account is not signed up for the Amazon S3 service. You must sign up before you can use Amazon S3. You can sign up at the following URL: <https://aws.amazon.com/s3>.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[\s\S]*\S[\s\S]*`

Required: No

stopTime

The timestamp that represents when this continuous export was stopped.

Type: Timestamp

Required: No

See Also

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

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

CustomerAgentInfo

Inventory data for installed discovery agents.

Contents

activeAgents

Number of active discovery agents.

Type: Integer

Required: Yes

blackListedAgents

Number of blacklisted discovery agents.

Type: Integer

Required: Yes

healthyAgents

Number of healthy discovery agents

Type: Integer

Required: Yes

shutdownAgents

Number of discovery agents with status SHUTDOWN.

Type: Integer

Required: Yes

totalAgents

Total number of discovery agents.

Type: Integer

Required: Yes

unhealthyAgents

Number of unhealthy discovery agents.

Type: Integer

Required: Yes

unknownAgents

Number of unknown discovery agents.

Type: Integer

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](#)

CustomerAgentlessCollectorInfo

The inventory data for installed Agentless Collector collectors.

Contents

activeAgentlessCollectors

The number of active Agentless Collector collectors.

Type: Integer

Required: Yes

denyListedAgentlessCollectors

The number of deny-listed Agentless Collector collectors.

Type: Integer

Required: Yes

healthyAgentlessCollectors

The number of healthy Agentless Collector collectors.

Type: Integer

Required: Yes

shutdownAgentlessCollectors

The number of Agentless Collector collectors with SHUTDOWN status.

Type: Integer

Required: Yes

totalAgentlessCollectors

The total number of Agentless Collector collectors.

Type: Integer

Required: Yes

unhealthyAgentlessCollectors

The number of unhealthy Agentless Collector collectors.

Type: Integer

Required: Yes

unknownAgentlessCollectors

The number of unknown Agentless Collector collectors.

Type: Integer

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](#)

CustomerConnectorInfo

Inventory data for installed discovery connectors.

Contents

activeConnectors

Number of active discovery connectors.

Type: Integer

Required: Yes

blackListedConnectors

Number of blacklisted discovery connectors.

Type: Integer

Required: Yes

healthyConnectors

Number of healthy discovery connectors.

Type: Integer

Required: Yes

shutdownConnectors

Number of discovery connectors with status SHUTDOWN,

Type: Integer

Required: Yes

totalConnectors

Total number of discovery connectors.

Type: Integer

Required: Yes

unhealthyConnectors

Number of unhealthy discovery connectors.

Type: Integer

Required: Yes

unknownConnectors

Number of unknown discovery connectors.

Type: Integer

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](#)

CustomerMeCollectorInfo

The inventory data for installed Migration Evaluator collectors.

Contents

activeMeCollectors

The number of active Migration Evaluator collectors.

Type: Integer

Required: Yes

denyListedMeCollectors

The number of deny-listed Migration Evaluator collectors.

Type: Integer

Required: Yes

healthyMeCollectors

The number of healthy Migration Evaluator collectors.

Type: Integer

Required: Yes

shutdownMeCollectors

The number of Migration Evaluator collectors with SHUTDOWN status.

Type: Integer

Required: Yes

totalMeCollectors

The total number of Migration Evaluator collectors.

Type: Integer

Required: Yes

unhealthyMeCollectors

The number of unhealthy Migration Evaluator collectors.

Type: Integer

Required: Yes

unknownMeCollectors

The number of unknown Migration Evaluator collectors.

Type: Integer

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](#)

DeleteAgent

An object representing the agent or data collector to be deleted along with the optional configurations for error handling.

Contents

agentId

The ID of the agent or data collector to delete.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 20.

Pattern: `\S+`

Required: Yes

force

Optional flag used to force delete an agent or data collector. It is needed to delete any agent in HEALTHY/UNHEALTHY/RUNNING status. Note that deleting an agent that is actively reporting health causes it to be re-registered with a different agent ID after data collector re-connects with AWS.

Type: Boolean

Required: No

See Also

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

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

DeletionWarning

A configuration ID paired with a warning message.

Contents

configurationId

The unique identifier of the configuration that produced a warning.

Type: String

Length Constraints: Maximum length of 200.

Pattern: `\S*`

Required: No

warningCode

The integer warning code associated with the warning message.

Type: Integer

Required: No

warningText

A descriptive message of the warning the associated configuration ID produced.

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](#)

Ec2RecommendationsExportPreferences

Indicates that the exported data must include EC2 instance type matches for on-premises servers that are discovered through AWS Application Discovery Service.

Contents

cpuPerformanceMetricBasis

The recommended EC2 instance type that matches the CPU usage metric of server performance data.

Type: [UsageMetricBasis](#) object

Required: No

enabled

If set to true, the export [preferences](#) is set to Ec2RecommendationsExportPreferences.

Type: Boolean

Required: No

excludedInstanceTypes

An array of instance types to exclude from recommendations.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 25.

Pattern: `[a-zA-Z0-9\d\.\-]+`

Required: No

preferredRegion

The target AWS Region for the recommendations. You can use any of the Region codes available for the chosen service, as listed in [AWS service endpoints](#) in the *AWS General Reference*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 30.

Pattern: `[a-z]{2}-[a-z\-\-][0-9]+`

Required: No

ramPerformanceMetricBasis

The recommended EC2 instance type that matches the Memory usage metric of server performance data.

Type: [UsageMetricBasis](#) object

Required: No

reservedInstanceOptions

The contract type for a reserved instance. If blank, we assume an On-Demand instance is preferred.

Type: [ReservedInstanceOptions](#) object

Required: No

tenancy

The target tenancy to use for your recommended EC2 instances.

Type: String

Valid Values: DEDICATED | SHARED

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](#)

ExportFilter

Used to select which agent's data is to be exported. A single agent ID may be selected for export using the [StartExportTask](#) action.

Contents

condition

Supported condition: EQUALS

Type: String

Length Constraints: Maximum length of 200.

Pattern: \S+

Required: Yes

name

A single `ExportFilter` name. Supported filters: `agentIds`.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `[\s\S]*\S[\s\S]*`

Required: Yes

values

A single agent ID for a Discovery Agent. An agent ID can be found using the [DescribeAgents](#) action. Typically an ADS agent ID is in the form `o-0123456789abcdef0`.

Type: Array of strings

Length Constraints: Maximum length of 1000.

Pattern: `(^$|[\s\S]*\S[\s\S]*)`

Required: Yes

See Also

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

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

ExportInfo

Information regarding the export status of discovered data. The value is an array of objects.

Contents

exportId

A unique identifier used to query an export.

Type: String

Length Constraints: Maximum length of 200.

Pattern: `\S*`

Required: Yes

exportRequestTime

The time that the data export was initiated.

Type: Timestamp

Required: Yes

exportStatus

The status of the data export job.

Type: String

Valid Values: `FAILED` | `SUCCEEDED` | `IN_PROGRESS`

Required: Yes

statusMessage

A status message provided for API callers.

Type: String

Required: Yes

configurationsDownloadUrl

A URL for an Amazon S3 bucket where you can review the exported data. The URL is displayed only if the export succeeded.

Type: String

Required: No

isTruncated

If true, the export of agent information exceeded the size limit for a single export and the exported data is incomplete for the requested time range. To address this, select a smaller time range for the export by using `startDate` and `endDate`.

Type: Boolean

Required: No

requestedEndTime

The `endTime` used in the `StartExportTask` request. If no `endTime` was requested, this result does not appear in `ExportInfo`.

Type: Timestamp

Required: No

requestedStartTime

The value of `startTime` parameter in the `StartExportTask` request. If no `startTime` was requested, this result does not appear in `ExportInfo`.

Type: Timestamp

Required: No

See Also

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

- [AWS SDK for C++](#)

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

ExportPreferences

Indicates the type of data that is being exported. Only one `ExportPreferences` can be enabled for a [StartExportTask](#) action.

Contents

Important

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

`ec2RecommendationsPreferences`

If enabled, exported data includes EC2 instance type matches for on-premises servers discovered through AWS Application Discovery Service.

Type: [Ec2RecommendationsExportPreferences](#) 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](#)

FailedConfiguration

A configuration ID paired with an error message.

Contents

configurationId

The unique identifier of the configuration the failed to delete.

Type: String

Length Constraints: Maximum length of 200.

Pattern: `\S*`

Required: No

errorMessage

A descriptive message indicating why the associated configuration failed to delete.

Type: String

Required: No

errorStatusCode

The integer error code associated with the error message.

Type: Integer

Required: No

See Also

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

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

Filter

A filter that can use conditional operators.

For more information about filters, see [Querying Discovered Configuration Items](#) in the *AWS Application Discovery Service User Guide*.

Contents

condition

A conditional operator. The following operators are valid: EQUALS, NOT_EQUALS, CONTAINS, NOT_CONTAINS. If you specify multiple filters, the system utilizes all filters as though concatenated by *AND*. If you specify multiple values for a particular filter, the system differentiates the values using *OR*. Calling either *DescribeConfigurations* or *ListConfigurations* returns attributes of matching configuration items.

Type: String

Length Constraints: Maximum length of 200.

Pattern: \S+

Required: Yes

name

The name of the filter.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: [\s\S]*

Required: Yes

values

A string value on which to filter. For example, if you choose the `destinationServer.osVersion` filter name, you could specify Ubuntu for the value.

Type: Array of strings

Length Constraints: Maximum length of 1000.

Pattern: (^\$|[\s\S]*\S[\s\S]*)

Required: Yes

See Also

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

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

ImportTask

An array of information related to the import task request that includes status information, times, IDs, the Amazon S3 Object URL for the import file, and more.

Contents

applicationImportFailure

The total number of application records in the import file that failed to be imported.

Type: Integer

Required: No

applicationImportSuccess

The total number of application records in the import file that were successfully imported.

Type: Integer

Required: No

clientRequestToken

A unique token used to prevent the same import request from occurring more than once. If you didn't provide a token, a token was automatically generated when the import task request was sent.

Type: String

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

Required: No

errorsAndFailedEntriesZip

A link to a compressed archive folder (in the ZIP format) that contains an error log and a file of failed records. You can use these two files to quickly identify records that failed, why they failed, and correct those records. Afterward, you can upload the corrected file to your Amazon S3 bucket and create another import task request.

This field also includes authorization information so you can confirm the authenticity of the compressed archive before you download it.

If some records failed to be imported we recommend that you correct the records in the failed entries file and then imports that failed entries file. This prevents you from having to correct and update the larger original file and attempt importing it again.

Type: String

Required: No

importCompletionTime

The time that the import task request finished, presented in the Unix time stamp format.

Type: Timestamp

Required: No

importDeletedTime

The time that the import task request was deleted, presented in the Unix time stamp format.

Type: Timestamp

Required: No

importRequestTime

The time that the import task request was made, presented in the Unix time stamp format.

Type: Timestamp

Required: No

importTaskId

The unique ID for a specific import task. These IDs aren't globally unique, but they are unique within an AWS account.

Type: String

Length Constraints: Maximum length of 200.

Pattern: `^import-task-[a-fA-F0-9]{32}$`

Required: No

importUrl

The URL for your import file that you've uploaded to Amazon S3.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4000.

Pattern: `\S+ ://\S+ /[\s\S]*\S[\s\S]*`

Required: No

name

A descriptive name for an import task. You can use this name to filter future requests related to this import task, such as identifying applications and servers that were included in this import task. We recommend that you use a meaningful name for each import task.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[\s\S]*\S[\s\S]*`

Required: No

serverImportFailure

The total number of server records in the import file that failed to be imported.

Type: Integer

Required: No

serverImportSuccess

The total number of server records in the import file that were successfully imported.

Type: Integer

Required: No

status

The status of the import task. An import can have the status of `IMPORT_COMPLETE` and still have some records fail to import from the overall request. More information can be found in the

downloadable archive defined in the `errorsAndFailedEntriesZip` field, or in the Migration Hub management console.

Type: String

Valid Values: `IMPORT_IN_PROGRESS` | `IMPORT_COMPLETE`
| `IMPORT_COMPLETE_WITH_ERRORS` | `IMPORT_FAILED` |
`IMPORT_FAILED_SERVER_LIMIT_EXCEEDED` |
`IMPORT_FAILED_RECORD_LIMIT_EXCEEDED` | `DELETE_IN_PROGRESS` |
`DELETE_COMPLETE` | `DELETE_FAILED` | `DELETE_FAILED_LIMIT_EXCEEDED` |
`INTERNAL_ERROR`

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](#)

ImportTaskFilter

A name-values pair of elements you can use to filter the results when querying your import tasks. Currently, wildcards are not supported for filters.

Note

When filtering by import status, all other filter values are ignored.

Contents

name

The name, status, or import task ID for a specific import task.

Type: String

Valid Values: IMPORT_TASK_ID | STATUS | NAME

Required: No

values

An array of strings that you can provide to match against a specific name, status, or import task ID to filter the results for your import task queries.

Type: Array of strings

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

Length Constraints: Minimum length of 1. Maximum length of 255.

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](#)

NeighborConnectionDetail

Details about neighboring servers.

Contents

connectionsCount

The number of open network connections with the neighboring server.

Type: Long

Required: Yes

destinationServerId

The ID of the server that accepted the network connection.

Type: String

Length Constraints: Maximum length of 200.

Pattern: \S*

Required: Yes

sourceServerId

The ID of the server that opened the network connection.

Type: String

Length Constraints: Maximum length of 200.

Pattern: \S*

Required: Yes

destinationPort

The destination network port for the connection.

Type: Integer

Required: No

transportProtocol

The network protocol used for the connection.

Type: String

Length Constraints: Maximum length of 10000.

Pattern: `[\s\S]*`

Required: No

See Also

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

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

OrderByElement

A field and direction for ordered output.

Contents

fieldName

The field on which to order.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `[\s\S]*\S[\s\S]*`

Required: Yes

sortOrder

Ordering direction.

Type: String

Valid Values: ASC | DESC

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](#)

ReservedInstanceOptions

Used to provide Reserved Instance preferences for the recommendation.

Contents

offeringClass

The flexibility to change the instance types needed for your Reserved Instance.

Type: String

Valid Values: STANDARD | CONVERTIBLE

Required: Yes

purchasingOption

The payment plan to use for your Reserved Instance.

Type: String

Valid Values: ALL_UPFRONT | PARTIAL_UPFRONT | NO_UPFRONT

Required: Yes

termLength

The preferred duration of the Reserved Instance term.

Type: String

Valid Values: ONE_YEAR | THREE_YEAR

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](#)

Tag

Metadata that help you categorize IT assets.

Important

Do not store sensitive information (like personal data) in tags.

Contents

key

The type of tag on which to filter.

Type: String

Required: Yes

value

A value for a tag key on which to filter.

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](#)

TagFilter

The tag filter. Valid names are: tagKey, tagValue, configurationId.

Contents

name

A name of the tag filter.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `[\s\S]*\S[\s\S]*`

Required: Yes

values

Values for the tag filter.

Type: Array of strings

Length Constraints: Maximum length of 1000.

Pattern: `(^$|[\s\S]*\S[\s\S]*)`

Required: Yes

See Also

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

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

UsageMetricBasis

Specifies the performance metrics to use for the server that is used for recommendations.

Contents

name

A utilization metric that is used by the recommendations.

Type: String

Pattern: $^{(p(\backslash d\{1, 2\} | 100) | AVG | SPEC | MAX)}\$$

Required: No

percentageAdjust

Specifies the percentage of the specified utilization metric that is used by the recommendations.

Type: Double

Valid Range: Minimum value of 0.0. Maximum value of 100.0.

Required: No

See Also

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

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

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