Inspector

Inspector V2 API Reference

API Version 2020-06-08

aws

Inspector: Inspector V2 API Reference

Table of Contents

Welcome

Amazon Inspector is a vulnerability discovery service that automates continuous scanning for security vulnerabilities within your Amazon EC2 and Amazon ECR environments.

This document was last published on June 6, 2022.

Actions

The following actions are supported:

AssociateMember

Associates an AWS account with an Amazon Inspector delegated administrator.

Request Syntax

```
POST /members/associate HTTP/1.1
Content-type: application/json

{
    "accountId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

accountId (p. 3)

> The AWS account ID of the member account to be associated.
>
> Type: String
>
> Length Constraints: Fixed length of 12.
>
> Pattern: `^\d{12}$`
>
> Required: Yes

Response Syntax

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

{
    "accountId": "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.

accountId (p. 3)

> The AWS account ID of the successfully associated member account.
>
> Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

BatchGetAccountStatus

Retrieves the Amazon Inspector status of multiple AWS accounts within your environment.

Request Syntax

```
POST /status/batch/get HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

accountIds (p. 5)

The 12-digit AWS account IDs of the accounts to retrieve Amazon Inspector status for.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Fixed length of 12.

Pattern: ^\d{12}$

Required: No

Response Syntax

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

{
    "accounts": [
        {
            "accountId": "string",
            "resourceState": {
                "ec2": {
                    "errorCode": "string",
                    "errorMessage": "string",
                    "status": "string"
                },
                "ecr": {
                    "errorCode": "string",
                    "errorMessage": "string",
                    "status": "string"
                }
            },
```

```
            "state": {
                "errorCode": "string",
                "errorMessage": "string",
                "status": "string"
            }
        }
    ],
    "failedAccounts": [
        {
            "accountId": "string",
            "errorCode": "string",
            "errorMessage": "string",
            "resourceStatus": {
                "ec2": "string",
                "ecr": "string"
            },
            "status": "string"
        }
    ]
}
```

Response Elements

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

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

accounts (p. 5)

> An array of objects that provide details on the status of Amazon Inspector for each of the requested accounts.
>
> Type: Array of AccountState (p. 112) objects
>
> Array Members: Minimum number of 0 items. Maximum number of 100 items.

failedAccounts (p. 5)

> An array of objects detailing any accounts that failed to enable Amazon Inspector and why.
>
> Type: Array of FailedAccount (p. 150) objects
>
> Array Members: Minimum number of 0 items. Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

> You do not have sufficient access to perform this action.
>
> HTTP Status Code: 403

InternalServerException

> The request has failed due to an internal failure of the Amazon Inspector service.
>
> HTTP Status Code: 500

ResourceNotFoundException

> The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
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- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

BatchGetFreeTrialInfo

Gets free trial status for multiple AWS accounts.

Request Syntax

```
POST /freetrialinfo/batchget HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

accountIds (p. 8)

> The account IDs to get free trial status for.
>
> Type: Array of strings
>
> Array Members: Minimum number of 1 item. Maximum number of 100 items.
>
> Pattern: `[0-9]{12}`
>
> Required: Yes

Response Syntax

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

{
    "accounts": [
        {
            "accountId": "string",
            "freeTrialInfo": [
                {
                    "end": number,
                    "start": number,
                    "status": "string",
                    "type": "string"
                }
            ]
        }
    ],
    "failedAccounts": [
        {
            "accountId": "string",
            "code": "string",
```

```
            "message": "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.

accounts (p. 8)

An array of objects that provide Amazon Inspector free trial details for each of the requested accounts.

Type: Array of FreeTrialAccountInfo (p. 164) objects

failedAccounts (p. 8)

An array of objects detailing any accounts that free trial data could not be returned for.

Type: Array of FreeTrialInfoError (p. 166) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

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- AWS SDK for C++

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

CancelFindingsReport

Cancels the given findings report.

Request Syntax

```
POST /reporting/cancel HTTP/1.1
Content-type: application/json

{
    "reportId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

reportId (p. 11)

The ID of the report to be canceled.

Type: String

Pattern: \b[a-f0-9]{8}\b-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-\b[a-f0-9]{12}\b

Required: Yes

Response Syntax

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

{
    "reportId": "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.

reportId (p. 11)

The ID of the canceled report.

Type: String

Pattern: \b[a-f0-9]{8}\b-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-\b[a-f0-9]{12}\b

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

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- AWS SDK for Python
- AWS SDK for Ruby V3

CreateFilter

Creates a filter resource using specified filter criteria.

Request Syntax

```
POST /filters/create HTTP/1.1
Content-type: application/json

{
   "action": "string",
   "description": "string",
   "filterCriteria": {
      "awsAccountId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "componentId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "componentType": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ec2InstanceImageId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ec2InstanceSubnetId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ec2InstanceVpcId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ecrImageArchitecture": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ecrImageHash": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ecrImagePushedAt": [
         {
```

```
            "endInclusive": number,
            "startInclusive": number
        }
    ],
    "ecrImageRegistry": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "ecrImageRepositoryName": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "ecrImageTags": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "findingArn": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "findingStatus": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "findingType": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "firstObservedAt": [
        {
            "endInclusive": number,
            "startInclusive": number
        }
    ],
    "inspectorScore": [
        {
            "lowerInclusive": number,
            "upperInclusive": number
        }
    ],
    "lastObservedAt": [
        {
            "endInclusive": number,
            "startInclusive": number
        }
    ],
    "networkProtocol": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "portRange": [
        {
```

```
                    "beginInclusive": number,
                    "endInclusive": number
                }
            ],
            "relatedVulnerabilities": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "resourceId": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "resourceTags": [
                {
                    "comparison": "string",
                    "key": "string",
                    "value": "string"
                }
            ],
            "resourceType": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "severity": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "title": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "updatedAt": [
                {
                    "endInclusive": number,
                    "startInclusive": number
                }
            ],
            "vendorSeverity": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "vulnerabilityId": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "vulnerabilitySource": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "vulnerablePackages": [
```

```
        {
            "architecture": {
                "comparison": "string",
                "value": "string"
            },
            "epoch": {
                "lowerInclusive": number,
                "upperInclusive": number
            },
            "name": {
                "comparison": "string",
                "value": "string"
            },
            "release": {
                "comparison": "string",
                "value": "string"
            },
            "sourceLayerHash": {
                "comparison": "string",
                "value": "string"
            },
            "version": {
                "comparison": "string",
                "value": "string"
            }
        }
    ]
},
"name": "string",
"tags": {
    "string" : "string"
}
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

action (p. 13)

Defines the action that is to be applied to the findings that match the filter.

Type: String

Valid Values: `NONE | SUPPRESS`

Required: Yes

description (p. 13)

A description of the filter.

Type: String

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

Required: No

filterCriteria (p. 13)

> Defines the criteria to be used in the filter for querying findings.
>
> Type: FilterCriteria (p. 154) object
>
> Required: Yes

name (p. 13)

> The name of the filter. Minimum length of 3. Maximum length of 64. Valid characters include alphanumeric characters, dot (.), underscore (_), and dash (-). Spaces are not allowed.
>
> Type: String
>
> Length Constraints: Minimum length of 1. Maximum length of 128.
>
> Required: Yes

tags (p. 13)

> A list of tags for the filter.
>
> Type: String to string map
>
> Key Length Constraints: Minimum length of 1. Maximum length of 128.
>
> Value Length Constraints: Minimum length of 0. Maximum length of 256.
>
> Required: No

Response Syntax

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

{
    "arn": "string"
}
```

Response Elements

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

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

arn (p. 17)

> The Amazon Resource Number (ARN) of the successfully created filter.
>
> Type: String
>
> Length Constraints: Minimum length of 1. Maximum length of 128.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

One or more tags submitted as part of the request is not valid.

HTTP Status Code: 400

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ServiceQuotaExceededException

You have exceeded your service quota. To perform the requested action, remove some of the relevant resources, or use Service Quotas to request a service quota increase.

HTTP Status Code: 402

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateFindingsReport

Creates a finding report.

Request Syntax

```
POST /reporting/create HTTP/1.1
Content-type: application/json

{
   "filterCriteria": {
      "awsAccountId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "componentId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "componentType": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ec2InstanceImageId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ec2InstanceSubnetId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ec2InstanceVpcId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ecrImageArchitecture": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ecrImageHash": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ecrImagePushedAt": [
         {
            "endInclusive": number,
            "startInclusive": number
```

```
                }
            ],
            "ecrImageRegistry": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "ecrImageRepositoryName": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "ecrImageTags": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "findingArn": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "findingStatus": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "findingType": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "firstObservedAt": [
                {
                    "endInclusive": number,
                    "startInclusive": number
                }
            ],
            "inspectorScore": [
                {
                    "lowerInclusive": number,
                    "upperInclusive": number
                }
            ],
            "lastObservedAt": [
                {
                    "endInclusive": number,
                    "startInclusive": number
                }
            ],
            "networkProtocol": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "portRange": [
                {
                    "beginInclusive": number,
                    "endInclusive": number
```

```
            }
        ],
        "relatedVulnerabilities": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "resourceId": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "resourceTags": [
            {
                "comparison": "string",
                "key": "string",
                "value": "string"
            }
        ],
        "resourceType": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "severity": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "title": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "updatedAt": [
            {
                "endInclusive": number,
                "startInclusive": number
            }
        ],
        "vendorSeverity": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "vulnerabilityId": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "vulnerabilitySource": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "vulnerablePackages": [
            {
                "architecture": {
```

```
                "comparison": "string",
                "value": "string"
            },
            "epoch": {
                "lowerInclusive": number,
                "upperInclusive": number
            },
            "name": {
                "comparison": "string",
                "value": "string"
            },
            "release": {
                "comparison": "string",
                "value": "string"
            },
            "sourceLayerHash": {
                "comparison": "string",
                "value": "string"
            },
            "version": {
                "comparison": "string",
                "value": "string"
            }
        }
    ]
},
"reportFormat": "string",
"s3Destination": {
    "bucketName": "string",
    "keyPrefix": "string",
    "kmsKeyArn": "string"
}
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

filterCriteria (p. 19)

>   The filter criteria to apply to the results of the finding report.

>   Type: FilterCriteria (p. 154) object

>   Required: No

reportFormat (p. 19)

>   The format to generate the report in.

>   Type: String

>   Valid Values: `CSV | JSON`

>   Required: Yes

s3Destination (p. 19)

>   The Amazon S3 export destination for the report.

Type: Destination (p. 142) object

Required: Yes

Response Syntax

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

{
    "reportId": "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.

reportId (p. 23)

The ID of the report.

Type: String

Pattern: \b[a-f0-9]{8}\b-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-\b[a-f0-9]{12}\b

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

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- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteFilter

Deletes a filter resource.

Request Syntax

```
POST /filters/delete HTTP/1.1
Content-type: application/json

{
    "arn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

arn (p. 25)

> The Amazon Resource Number (ARN) of the filter to be deleted.
>
> Type: String
>
> Length Constraints: Minimum length of 1. Maximum length of 128.
>
> Required: Yes

Response Syntax

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

{
    "arn": "string"
}
```

Response Elements

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

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

arn (p. 25)

> The Amazon Resource Number (ARN) of the filter that has been deleted.
>
> Type: String
>
> Length Constraints: Minimum length of 1. Maximum length of 128.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

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- AWS SDK for Ruby V3

DescribeOrganizationConfiguration

Describe Amazon Inspector configuration settings for an AWS organization

Request Syntax

```
POST /organizationconfiguration/describe HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

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

{
    "autoEnable": {
        "ec2": boolean,
        "ecr": boolean
    },
    "maxAccountLimitReached": 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.

autoEnable (p. 27)

The scan types are automatically enabled for new members of your organization.

Type: AutoEnable (p. 119) object

maxAccountLimitReached (p. 27)

Represents whether your organization has reached the maximum AWS account limit for Amazon Inspector.

Type: Boolean

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Disable

Disables Amazon Inspector scans for one or more AWS accounts. Disabling all scan types in an account disables the Amazon Inspector service.

Request Syntax

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

{
   "accountIds": [ "string" ],
   "resourceTypes": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

accountIds (p. 29)

> An array of account IDs you want to disable Amazon Inspector scans for.
>
> Type: Array of strings
>
> Array Members: Minimum number of 0 items. Maximum number of 100 items.
>
> Length Constraints: Fixed length of 12.
>
> Pattern: `^\d{12}$`
>
> Required: No

resourceTypes (p. 29)

> The resource scan types you want to disable.
>
> Type: Array of strings
>
> Array Members: Minimum number of 0 items. Maximum number of 2 items.
>
> Valid Values: `EC2 | ECR`
>
> Required: No

Response Syntax

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

{
```

```
    "accounts": [
        {
            "accountId": "string",
            "resourceStatus": {
                "ec2": "string",
                "ecr": "string"
            },
            "status": "string"
        }
    ],
    "failedAccounts": [
        {
            "accountId": "string",
            "errorCode": "string",
            "errorMessage": "string",
            "resourceStatus": {
                "ec2": "string",
                "ecr": "string"
            },
            "status": "string"
        }
    ]
}
```

Response Elements

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

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

accounts (p. 29)

Information on the accounts that have had Amazon Inspector scans successfully disabled. Details are provided for each account.

Type: Array of Account (p. 109) objects

failedAccounts (p. 29)

Information on any accounts for which Amazon Inspector scans could not be disabled. Details are provided for each account.

Type: Array of FailedAccount (p. 150) objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DisableDelegatedAdminAccount

Disables the Amazon Inspector delegated administrator for your organization.

Request Syntax

```
POST /delegatedadminaccounts/disable HTTP/1.1
Content-type: application/json

{
    "delegatedAdminAccountId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

delegatedAdminAccountId (p. 32)

>   The AWS account ID of the current Amazon Inspector delegated administrator.
>
>   Type: String
>
>   Length Constraints: Fixed length of 12.
>
>   Pattern: `^\d{12}$`
>
>   Required: Yes

Response Syntax

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

{
    "delegatedAdminAccountId": "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.

delegatedAdminAccountId (p. 32)

>   The AWS account ID of the successfully disabled delegated administrator.
>
>   Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

A conflict occurred.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DisassociateMember

Disassociates a member account from an Amazon Inspector delegated administrator.

Request Syntax

```
POST /members/disassociate HTTP/1.1
Content-type: application/json

{
    "accountId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

accountId (p. 34)

> The AWS account ID of the member account to disassociate.
>
> Type: String
>
> Length Constraints: Fixed length of 12.
>
> Pattern: `^\d{12}$`
>
> Required: Yes

Response Syntax

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

{
    "accountId": "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.

accountId (p. 34)

> The AWS account ID of the successfully disassociated member.
>
> Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Enable

Enables Amazon Inspector scans for one or more AWS accounts.

Request Syntax

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

{
   "accountIds": [ "string" ],
   "clientToken": "string",
   "resourceTypes": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

accountIds (p. 36)

A list of account IDs you want to enable Amazon Inspector scans for.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

clientToken (p. 36)

The idempotency token for the request.

Type: String

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

Required: No

resourceTypes (p. 36)

The resource scan types you want to enable.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Valid Values: `EC2 | ECR`

Required: Yes

Response Syntax

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

{
   "accounts": [
      {
         "accountId": "string",
         "resourceStatus": {
            "ec2": "string",
            "ecr": "string"
         },
         "status": "string"
      }
   ],
   "failedAccounts": [
      {
         "accountId": "string",
         "errorCode": "string",
         "errorMessage": "string",
         "resourceStatus": {
            "ec2": "string",
            "ecr": "string"
         },
         "status": "string"
      }
   ]
}
```

Response Elements

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

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

accounts (p. 37)

> Information on the accounts that have had Amazon Inspector scans successfully enabled. Details are provided for each account.
>
> Type: Array of Account (p. 109) objects

failedAccounts (p. 37)

> Information on any accounts for which Amazon Inspector scans could not be enabled. Details are provided for each account.
>
> Type: Array of FailedAccount (p. 150) objects
>
> Array Members: Minimum number of 0 items. Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

> You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

EnableDelegatedAdminAccount

Enables the Amazon Inspector delegated administrator for your AWS Organizations organization.

Request Syntax

```
POST /delegatedadminaccounts/enable HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken (p. 39)

The idempotency token for the request.

Type: String

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

Required: No

delegatedAdminAccountId (p. 39)

The AWS account ID of the Amazon Inspector delegated administrator.

Type: String

Length Constraints: Fixed length of 12.

Pattern: ^\d{12}$

Required: Yes

Response Syntax

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

{
    "delegatedAdminAccountId": "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.

delegatedAdminAccountId (p. 39)

The AWS account ID of the successfully Amazon Inspector delegated administrator.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

A conflict occurred.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go

- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetDelegatedAdminAccount

Retrieves information about the Amazon Inspector delegated administrator for your organization.

Request Syntax

```
POST /delegatedadminaccounts/get HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "delegatedAdmin": {
      "accountId": "string",
      "relationshipStatus": "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.

delegatedAdmin (p. 42)

> The AWS account ID of the Amazon Inspector delegated administrator.
>
> Type: DelegatedAdmin (p. 140) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

> You do not have sufficient access to perform this action.
>
> HTTP Status Code: 403

InternalServerException

> The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetFindingsReportStatus

Gets the status of a findings report.

Request Syntax

```
POST /reporting/status/get HTTP/1.1
Content-type: application/json

{
    "reportId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

reportId (p. 44)

> The ID of the report to retrieve the status of.
>
> Type: String
>
> Pattern: \b[a-f0-9]{8}\b-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-\b[a-f0-9]{12}\b
>
> Required: No

Response Syntax

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

{
    "destination": {
        "bucketName": "string",
        "keyPrefix": "string",
        "kmsKeyArn": "string"
    },
    "errorCode": "string",
    "errorMessage": "string",
    "filterCriteria": {
        "awsAccountId": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "componentId": [
            {
                "comparison": "string",
                "value": "string"
            }
```

```
            ],
            "componentType": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "ec2InstanceImageId": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "ec2InstanceSubnetId": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "ec2InstanceVpcId": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "ecrImageArchitecture": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "ecrImageHash": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "ecrImagePushedAt": [
                {
                    "endInclusive": number,
                    "startInclusive": number
                }
            ],
            "ecrImageRegistry": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "ecrImageRepositoryName": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "ecrImageTags": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "findingArn": [
                {
                    "comparison": "string",
                    "value": "string"
                }
```

```
            ],
            "findingStatus": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "findingType": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "firstObservedAt": [
                {
                    "endInclusive": number,
                    "startInclusive": number
                }
            ],
            "inspectorScore": [
                {
                    "lowerInclusive": number,
                    "upperInclusive": number
                }
            ],
            "lastObservedAt": [
                {
                    "endInclusive": number,
                    "startInclusive": number
                }
            ],
            "networkProtocol": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "portRange": [
                {
                    "beginInclusive": number,
                    "endInclusive": number
                }
            ],
            "relatedVulnerabilities": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "resourceId": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "resourceTags": [
                {
                    "comparison": "string",
                    "key": "string",
                    "value": "string"
                }
            ],
            "resourceType": [
                {
                    "comparison": "string",
                    "value": "string"
```

```
            }
        ],
        "severity": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "title": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "updatedAt": [
            {
                "endInclusive": number,
                "startInclusive": number
            }
        ],
        "vendorSeverity": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "vulnerabilityId": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "vulnerabilitySource": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "vulnerablePackages": [
            {
                "architecture": {
                    "comparison": "string",
                    "value": "string"
                },
                "epoch": {
                    "lowerInclusive": number,
                    "upperInclusive": number
                },
                "name": {
                    "comparison": "string",
                    "value": "string"
                },
                "release": {
                    "comparison": "string",
                    "value": "string"
                },
                "sourceLayerHash": {
                    "comparison": "string",
                    "value": "string"
                },
                "version": {
                    "comparison": "string",
                    "value": "string"
                }
            }
        ]
```

```
    },
    "reportId": "string",
    "status": "string"
}
```

Response Elements

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

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

destination (p. 44)

> The destination of the report.

> Type: Destination (p. 142) object

errorCode (p. 44)

> The error code of the report.

> Type: String

> Valid Values: `INTERNAL_ERROR | INVALID_PERMISSIONS`

errorMessage (p. 44)

> The error message of the report.

> Type: String

filterCriteria (p. 44)

> The filter criteria associated with the report.

> Type: FilterCriteria (p. 154) object

reportId (p. 44)

> The ID of the report.

> Type: String

> Pattern: `\b[a-f0-9]{8}\b-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-\b[a-f0-9]{12}\b`

status (p. 44)

> The status of the report.

> Type: String

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

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

> You do not have sufficient access to perform this action.

> HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetMember

Gets member information for your organization.

Request Syntax

```
POST /members/get HTTP/1.1
Content-type: application/json

{
    "accountId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

accountId (p. 50)

 The AWS account ID of the member account to retrieve information on.

 Type: String

 Length Constraints: Fixed length of 12.

 Pattern: ^\d{12}$

 Required: Yes

Response Syntax

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

{
    "member": {
        "accountId": "string",
        "delegatedAdminAccountId": "string",
        "relationshipStatus": "string",
        "updatedAt": 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.

member (p. 50)

>   Details of the retrieved member account.

>   Type: Member (p. 173) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

>   You do not have sufficient access to perform this action.

>   HTTP Status Code: 403

InternalServerException

>   The request has failed due to an internal failure of the Amazon Inspector service.

>   HTTP Status Code: 500

ResourceNotFoundException

>   The operation tried to access an invalid resource. Make sure the resource is specified correctly.

>   HTTP Status Code: 404

ThrottlingException

>   The limit on the number of requests per second was exceeded.

>   HTTP Status Code: 429

ValidationException

>   The request has failed validation due to missing required fields or having invalid inputs.

>   HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListAccountPermissions

Lists the permissions an account has to configure Amazon Inspector.

Request Syntax

```
POST /accountpermissions/list HTTP/1.1
Content-type: application/json

{
    "maxResults": number,
    "nextToken": "string",
    "service": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults (p. 52)

The maximum number of results to return in the response.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1024.

Required: No

nextToken (p. 52)

A token to use for paginating results that are returned in the response. Set the value of this parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value returned from the previous request to continue listing results after the first page.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000000.

Required: No

service (p. 52)

The service scan type to check permissions for.

Type: String

Valid Values: `EC2 | ECR`

Required: No

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "nextToken": "string",
   "permissions": [
      {
         "operation": "string",
         "service": "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 (p. 52)

A token to use for paginating results that are returned in the response. Set the value of this parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value returned from the previous request to continue listing results after the first page.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000000.

permissions (p. 52)

Contains details on the permissions an account has to configure Amazon Inspector.

Type: Array of Permission (p. 184) objects

Array Members: Minimum number of 0 items. Maximum number of 1024 items.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListCoverage

Lists coverage details for you environment.

Request Syntax

```
POST /coverage/list HTTP/1.1
Content-type: application/json

{
   "filterCriteria": {
      "accountId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ec2InstanceTags": [
         {
            "comparison": "string",
            "key": "string",
            "value": "string"
         }
      ],
      "ecrImageTags": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ecrRepositoryName": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "resourceId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "resourceType": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "scanStatusCode": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "scanStatusReason": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "scanType": [
         {
            "comparison": "string",
```

```
            "value": "string"
        }
    ]
},
"maxResults": number,
"nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

filterCriteria (p. 55)

> An object that contains details on the filters to apply to the coverage data for your environment.
>
> Type: CoverageFilterCriteria (p. 129) object
>
> Required: No

maxResults (p. 55)

> The maximum number of results to return in the response.
>
> Type: Integer
>
> Valid Range: Minimum value of 1. Maximum value of 200.
>
> Required: No

nextToken (p. 55)

> A token to use for paginating results that are returned in the response. Set the value of this parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value returned from the previous request to continue listing results after the first page.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 1000000.
>
> Required: No

Response Syntax

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

{
    "coveredResources": [
        {
            "accountId": "string",
            "resourceId": "string",
            "resourceMetadata": {
                "ec2": {
                    "amiId": "string",
```

```
            "platform": "string",
            "tags": {
                "string" : "string"
            }
        },
        "ecrImage": {
            "tags": [ "string" ]
        },
        "ecrRepository": {
            "name": "string",
            "scanFrequency": "string"
        }
    },
    "resourceType": "string",
    "scanStatus": {
        "reason": "string",
        "statusCode": "string"
    },
    "scanType": "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.

coveredResources (p. 56)

An object that contains details on the covered resources in your environment.

Type: Array of CoveredResource (p. 133) objects

nextToken (p. 56)

A token to use for paginating results that are returned in the response. Set the value of this parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value returned from the previous request to continue listing results after the first page.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000000.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListCoverageStatistics

Lists Amazon Inspector coverage statistics for your environment.

Request Syntax

```
POST /coverage/statistics/list HTTP/1.1
Content-type: application/json

{
   "filterCriteria": {
      "accountId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ec2InstanceTags": [
         {
            "comparison": "string",
            "key": "string",
            "value": "string"
         }
      ],
      "ecrImageTags": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ecrRepositoryName": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "resourceId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "resourceType": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "scanStatusCode": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "scanStatusReason": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "scanType": [
         {
            "comparison": "string",
```

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

filterCriteria (p. 59)

An object that contains details on the filters to apply to the coverage data for your environment.

Type: CoverageFilterCriteria (p. 129) object

Required: No

groupBy (p. 59)

The value to group the results by.

Type: String

Valid Values: `SCAN_STATUS_CODE` | `SCAN_STATUS_REASON` | `ACCOUNT_ID` | `RESOURCE_TYPE` | `ECR_REPOSITORY_NAME`

Required: No

nextToken (p. 59)

A token to use for paginating results that are returned in the response. Set the value of this parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value returned from the previous request to continue listing results after the first page.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000000.

Required: No

Response Syntax

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

{
    "countsByGroup": [
        {
            "count": number,
            "groupKey": "string"
        }
    ],
```

```
    "nextToken": "string",
    "totalCounts": 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.

countsByGroup (p. 60)

An array with the number for each group.

Type: Array of Counts (p. 128) objects

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

nextToken (p. 60)

A token to use for paginating results that are returned in the response. Set the value of this parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value returned from the previous request to continue listing results after the first page.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000000.

totalCounts (p. 60)

The total number for all groups.

Type: Long

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListDelegatedAdminAccounts

Lists information about the Amazon Inspector delegated administrator of your organization.

Request Syntax

```
POST /delegatedadminaccounts/list HTTP/1.1
Content-type: application/json

{
    "maxResults": number,
    "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults (p. 63)

> The maximum number of results to return in the response.
>
> Type: Integer
>
> Valid Range: Minimum value of 1. Maximum value of 5.
>
> Required: No

nextToken (p. 63)

> A token to use for paginating results that are returned in the response. Set the value of this parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value returned from the previous request to continue listing results after the first page.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 1000000.
>
> Required: No

Response Syntax

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

{
    "delegatedAdminAccounts": [
        {
            "accountId": "string",
            "status": "string"
        }
    ],
```

```
    "nextToken": "string"
}
```

Response Elements

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

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

delegatedAdminAccounts (p. 63)

    Details of the Amazon Inspector delegated administrator of your organization.

    Type: Array of DelegatedAdminAccount (p. 141) objects

    Array Members: Minimum number of 0 items. Maximum number of 5 items.

nextToken (p. 63)

    A token to use for paginating results that are returned in the response. Set the value of this parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value returned from the previous request to continue listing results after the first page.

    Type: String

    Length Constraints: Minimum length of 0. Maximum length of 1000000.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

    You do not have sufficient access to perform this action.

    HTTP Status Code: 403

InternalServerException

    The request has failed due to an internal failure of the Amazon Inspector service.

    HTTP Status Code: 500

ThrottlingException

    The limit on the number of requests per second was exceeded.

    HTTP Status Code: 429

ValidationException

    The request has failed validation due to missing required fields or having invalid inputs.

    HTTP Status Code: 400

See Also

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

- AWS Command Line Interface

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

ListFilters

Lists the filters associated with your account.

Request Syntax

```
POST /filters/list HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

action (p. 66)

> The action the filter applies to matched findings.
>
> Type: String
>
> Valid Values: NONE | SUPPRESS
>
> Required: No

arns (p. 66)

> The Amazon resource number (ARN) of the filter.
>
> Type: Array of strings
>
> Length Constraints: Minimum length of 1. Maximum length of 128.
>
> Required: No

maxResults (p. 66)

> The maximum number of results to return in the response.
>
> Type: Integer
>
> Valid Range: Minimum value of 1. Maximum value of 100.
>
> Required: No

nextToken (p. 66)

> A token to use for paginating results that are returned in the response. Set the value of this parameter to null for the first request to a list action. For subsequent calls, use the NextToken value returned from the previous request to continue listing results after the first page.
>
> Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000000.

Required: No

Response Syntax

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

{
   "filters": [
      {
         "action": "string",
         "arn": "string",
         "createdAt": number,
         "criteria": {
            "awsAccountId": [
               {
                  "comparison": "string",
                  "value": "string"
               }
            ],
            "componentId": [
               {
                  "comparison": "string",
                  "value": "string"
               }
            ],
            "componentType": [
               {
                  "comparison": "string",
                  "value": "string"
               }
            ],
            "ec2InstanceImageId": [
               {
                  "comparison": "string",
                  "value": "string"
               }
            ],
            "ec2InstanceSubnetId": [
               {
                  "comparison": "string",
                  "value": "string"
               }
            ],
            "ec2InstanceVpcId": [
               {
                  "comparison": "string",
                  "value": "string"
               }
            ],
            "ecrImageArchitecture": [
               {
                  "comparison": "string",
                  "value": "string"
               }
            ],
            "ecrImageHash": [
               {
                  "comparison": "string",
                  "value": "string"
               }
```

```
        ],
        "ecrImagePushedAt": [
            {
                "endInclusive": number,
                "startInclusive": number
            }
        ],
        "ecrImageRegistry": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "ecrImageRepositoryName": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "ecrImageTags": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "findingArn": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "findingStatus": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "findingType": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "firstObservedAt": [
            {
                "endInclusive": number,
                "startInclusive": number
            }
        ],
        "inspectorScore": [
            {
                "lowerInclusive": number,
                "upperInclusive": number
            }
        ],
        "lastObservedAt": [
            {
                "endInclusive": number,
                "startInclusive": number
            }
        ],
        "networkProtocol": [
            {
                "comparison": "string",
                "value": "string"
            }
```

```
                    ],
                    "portRange": [
                        {
                            "beginInclusive": number,
                            "endInclusive": number
                        }
                    ],
                    "relatedVulnerabilities": [
                        {
                            "comparison": "string",
                            "value": "string"
                        }
                    ],
                    "resourceId": [
                        {
                            "comparison": "string",
                            "value": "string"
                        }
                    ],
                    "resourceTags": [
                        {
                            "comparison": "string",
                            "key": "string",
                            "value": "string"
                        }
                    ],
                    "resourceType": [
                        {
                            "comparison": "string",
                            "value": "string"
                        }
                    ],
                    "severity": [
                        {
                            "comparison": "string",
                            "value": "string"
                        }
                    ],
                    "title": [
                        {
                            "comparison": "string",
                            "value": "string"
                        }
                    ],
                    "updatedAt": [
                        {
                            "endInclusive": number,
                            "startInclusive": number
                        }
                    ],
                    "vendorSeverity": [
                        {
                            "comparison": "string",
                            "value": "string"
                        }
                    ],
                    "vulnerabilityId": [
                        {
                            "comparison": "string",
                            "value": "string"
                        }
                    ],
                    "vulnerabilitySource": [
                        {
                            "comparison": "string",
                            "value": "string"
```

```
            }
        ],
        "vulnerablePackages": [
            {
                "architecture": {
                    "comparison": "string",
                    "value": "string"
                },
                "epoch": {
                    "lowerInclusive": number,
                    "upperInclusive": number
                },
                "name": {
                    "comparison": "string",
                    "value": "string"
                },
                "release": {
                    "comparison": "string",
                    "value": "string"
                },
                "sourceLayerHash": {
                    "comparison": "string",
                    "value": "string"
                },
                "version": {
                    "comparison": "string",
                    "value": "string"
                }
            }
        ]
    },
    "description": "string",
    "name": "string",
    "ownerId": "string",
    "reason": "string",
    "tags": {
        "string" : "string"
    },
    "updatedAt": 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.

filters (p. 67)

Contains details on the filters associated with your account.

Type: Array of Filter (p. 152) objects

nextToken (p. 67)

A token to use for paginating results that are returned in the response. Set the value of this parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value returned from the previous request to continue listing results after the first page.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000000.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListFindingAggregations

Lists aggregated finding data for your environment based on specific criteria.

Request Syntax

```
POST /findings/aggregation/list HTTP/1.1
Content-type: application/json

{
   "accountIds": [
      {
         "comparison": "string",
         "value": "string"
      }
   ],
   "aggregationRequest": {
      "accountAggregation": {
         "findingType": "string",
         "resourceType": "string",
         "sortBy": "string",
         "sortOrder": "string"
      },
      "amiAggregation": {
         "amis": [
            {
               "comparison": "string",
               "value": "string"
            }
         ],
         "sortBy": "string",
         "sortOrder": "string"
      },
      "awsEcrContainerAggregation": {
         "architectures": [
            {
               "comparison": "string",
               "value": "string"
            }
         ],
         "imageShas": [
            {
               "comparison": "string",
               "value": "string"
            }
         ],
         "imageTags": [
            {
               "comparison": "string",
               "value": "string"
            }
         ],
         "repositories": [
            {
               "comparison": "string",
               "value": "string"
            }
         ],
         "resourceIds": [
            {
               "comparison": "string",
               "value": "string"
            }
```

```
            ],
            "sortBy": "string",
            "sortOrder": "string"
        },
        "ec2InstanceAggregation": {
            "amis": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "instanceIds": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "instanceTags": [
                {
                    "comparison": "string",
                    "key": "string",
                    "value": "string"
                }
            ],
            "operatingSystems": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "sortBy": "string",
            "sortOrder": "string"
        },
        "findingTypeAggregation": {
            "findingType": "string",
            "resourceType": "string",
            "sortBy": "string",
            "sortOrder": "string"
        },
        "imageLayerAggregation": {
            "layerHashes": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "repositories": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "resourceIds": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "sortBy": "string",
            "sortOrder": "string"
        },
        "packageAggregation": {
            "packageNames": [
                {
                    "comparison": "string",
                    "value": "string"
```

```
                }
            ],
            "sortBy": "string",
            "sortOrder": "string"
        },
        "repositoryAggregation": {
            "repositories": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "sortBy": "string",
            "sortOrder": "string"
        },
        "titleAggregation": {
            "resourceType": "string",
            "sortBy": "string",
            "sortOrder": "string",
            "titles": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ],
            "vulnerabilityIds": [
                {
                    "comparison": "string",
                    "value": "string"
                }
            ]
        }
    },
    "aggregationType": "string",
    "maxResults": number,
    "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

accountIds (p. 72)

The AWS account IDs to retrieve finding aggregation data for.

Type: Array of StringFilter (p. 202) objects

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

Required: No

aggregationRequest (p. 72)

Details of the aggregation request that is used to filter your aggregation results.

Type: AggregationRequest (p. 113) object

Required: No

aggregationType (p. 72)

The type of the aggregation request.

Type: String

Valid Values: `FINDING_TYPE | PACKAGE | TITLE | REPOSITORY | AMI |`
`AWS_EC2_INSTANCE | AWS_ECR_CONTAINER | IMAGE_LAYER | ACCOUNT`

Required: Yes

maxResults (p. 72)

The maximum number of results to return in the response.

Type: Integer

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

Required: No

nextToken (p. 72)

A token to use for paginating results that are returned in the response. Set the value of this
parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value
returned from the previous request to continue listing results after the first page.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000000.

Required: No

Response Syntax

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

{
   "aggregationType": "string",
   "nextToken": "string",
   "responses": [
      {
         "accountAggregation": {
            "accountId": "string",
            "severityCounts": {
               "all": number,
               "critical": number,
               "high": number,
               "medium": number
            }
         },
         "amiAggregation": {
            "accountId": "string",
            "affectedInstances": number,
            "ami": "string",
            "severityCounts": {
               "all": number,
               "critical": number,
               "high": number,
               "medium": number
            }
         },
```

```
        "awsEcrContainerAggregation": {
            "accountId": "string",
            "architecture": "string",
            "imageSha": "string",
            "imageTags": [ "string" ],
            "repository": "string",
            "resourceId": "string",
            "severityCounts": {
                "all": number,
                "critical": number,
                "high": number,
                "medium": number
            }
        },
        "ec2InstanceAggregation": {
            "accountId": "string",
            "ami": "string",
            "instanceId": "string",
            "instanceTags": {
                "string" : "string"
            },
            "networkFindings": number,
            "operatingSystem": "string",
            "severityCounts": {
                "all": number,
                "critical": number,
                "high": number,
                "medium": number
            }
        },
        "findingTypeAggregation": {
            "accountId": "string",
            "severityCounts": {
                "all": number,
                "critical": number,
                "high": number,
                "medium": number
            }
        },
        "imageLayerAggregation": {
            "accountId": "string",
            "layerHash": "string",
            "repository": "string",
            "resourceId": "string",
            "severityCounts": {
                "all": number,
                "critical": number,
                "high": number,
                "medium": number
            }
        },
        "packageAggregation": {
            "accountId": "string",
            "packageName": "string",
            "severityCounts": {
                "all": number,
                "critical": number,
                "high": number,
                "medium": number
            }
        },
        "repositoryAggregation": {
            "accountId": "string",
            "affectedImages": number,
            "repository": "string",
            "severityCounts": {
```

```
                "all": number,
                "critical": number,
                "high": number,
                "medium": number
            }
        },
        "titleAggregation": {
            "accountId": "string",
            "severityCounts": {
                "all": number,
                "critical": number,
                "high": number,
                "medium": number
            },
            "title": "string",
            "vulnerabilityId": "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.

aggregationType (p. 75)

> The type of aggregation to perform.
>
> Type: String
>
> Valid Values: `FINDING_TYPE` | `PACKAGE` | `TITLE` | `REPOSITORY` | `AMI` |
> `AWS_EC2_INSTANCE` | `AWS_ECR_CONTAINER` | `IMAGE_LAYER` | `ACCOUNT`

nextToken (p. 75)

> A token to use for paginating results that are returned in the response. Set the value of this
> parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value
> returned from the previous request to continue listing results after the first page.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 1000000.

responses (p. 75)

> Objects that contain the results of an aggregation operation.
>
> Type: Array of AggregationResponse (p. 115) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

InternalServerException

> The request has failed due to an internal failure of the Amazon Inspector service.
>
> HTTP Status Code: 500

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListFindings

Lists findings for your environment.

Request Syntax

```
POST /findings/list HTTP/1.1
Content-type: application/json

{
   "filterCriteria": {
      "awsAccountId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "componentId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "componentType": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ec2InstanceImageId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ec2InstanceSubnetId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ec2InstanceVpcId": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ecrImageArchitecture": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ecrImageHash": [
         {
            "comparison": "string",
            "value": "string"
         }
      ],
      "ecrImagePushedAt": [
         {
            "endInclusive": number,
```

```
                "startInclusive": number
            }
        ],
        "ecrImageRegistry": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "ecrImageRepositoryName": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "ecrImageTags": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "findingArn": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "findingStatus": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "findingType": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "firstObservedAt": [
            {
                "endInclusive": number,
                "startInclusive": number
            }
        ],
        "inspectorScore": [
            {
                "lowerInclusive": number,
                "upperInclusive": number
            }
        ],
        "lastObservedAt": [
            {
                "endInclusive": number,
                "startInclusive": number
            }
        ],
        "networkProtocol": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "portRange": [
            {
                "beginInclusive": number,
```

```
            "endInclusive": number
        }
    ],
    "relatedVulnerabilities": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "resourceId": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "resourceTags": [
        {
            "comparison": "string",
            "key": "string",
            "value": "string"
        }
    ],
    "resourceType": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "severity": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "title": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "updatedAt": [
        {
            "endInclusive": number,
            "startInclusive": number
        }
    ],
    "vendorSeverity": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "vulnerabilityId": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "vulnerabilitySource": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "vulnerablePackages": [
        {
```

```
            "architecture": {
                "comparison": "string",
                "value": "string"
            },
            "epoch": {
                "lowerInclusive": number,
                "upperInclusive": number
            },
            "name": {
                "comparison": "string",
                "value": "string"
            },
            "release": {
                "comparison": "string",
                "value": "string"
            },
            "sourceLayerHash": {
                "comparison": "string",
                "value": "string"
            },
            "version": {
                "comparison": "string",
                "value": "string"
            }
        }
    ]
    },
    "maxResults": number,
    "nextToken": "string",
    "sortCriteria": {
        "field": "string",
        "sortOrder": "string"
    }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

filterCriteria (p. 79)

Details on the filters to apply to your finding results.

Type: FilterCriteria (p. 154) object

Required: No

maxResults (p. 79)

The maximum number of results to return in the response.

Type: Integer

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

Required: No

nextToken (p. 79)

A token to use for paginating results that are returned in the response. Set the value of this parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value returned from the previous request to continue listing results after the first page.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000000.

Required: No

sortCriteria (p. 79)

Details on the sort criteria to apply to your finding results.

Type: SortCriteria (p. 199) object

Required: No

Response Syntax

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

{
   "findings": [
      {
         "awsAccountId": "string",
         "description": "string",
         "findingArn": "string",
         "firstObservedAt": number,
         "inspectorScore": number,
         "inspectorScoreDetails": {
            "adjustedCvss": {
               "adjustments": [
                  {
                     "metric": "string",
                     "reason": "string"
                  }
               ],
               "cvssSource": "string",
               "score": number,
               "scoreSource": "string",
               "scoringVector": "string",
               "version": "string"
            }
         },
         "lastObservedAt": number,
         "networkReachabilityDetails": {
            "networkPath": {
               "steps": [
                  {
                     "componentId": "string",
                     "componentType": "string"
                  }
               ]
            },
            "openPortRange": {
               "begin": number,
               "end": number
            },
            "protocol": "string"
```

```
         },
         "packageVulnerabilityDetails": {
            "cvss": [
               {
                  "baseScore": number,
                  "scoringVector": "string",
                  "source": "string",
                  "version": "string"
               }
            ],
            "referenceUrls": [ "string" ],
            "relatedVulnerabilities": [ "string" ],
            "source": "string",
            "sourceUrl": "string",
            "vendorCreatedAt": number,
            "vendorSeverity": "string",
            "vendorUpdatedAt": number,
            "vulnerabilityId": "string",
            "vulnerablePackages": [
               {
                  "arch": "string",
                  "epoch": number,
                  "filePath": "string",
                  "fixedInVersion": "string",
                  "name": "string",
                  "packageManager": "string",
                  "release": "string",
                  "sourceLayerHash": "string",
                  "version": "string"
               }
            ]
         },
         "remediation": {
            "recommendation": {
               "text": "string",
               "Url": "string"
            }
         },
         "resources": [
            {
               "details": {
                  "awsEc2Instance": {
                     "iamInstanceProfileArn": "string",
                     "imageId": "string",
                     "ipV4Addresses": [ "string" ],
                     "ipV6Addresses": [ "string" ],
                     "keyName": "string",
                     "launchedAt": number,
                     "platform": "string",
                     "subnetId": "string",
                     "type": "string",
                     "vpcId": "string"
                  },
                  "awsEcrContainerImage": {
                     "architecture": "string",
                     "author": "string",
                     "imageHash": "string",
                     "imageTags": [ "string" ],
                     "platform": "string",
                     "pushedAt": number,
                     "registry": "string",
                     "repositoryName": "string"
                  }
               },
               "id": "string",
               "partition": "string",
```

```
            "region": "string",
            "tags": {
                "string" : "string"
            },
            "type": "string"
        }
      ],
      "severity": "string",
      "status": "string",
      "title": "string",
      "type": "string",
      "updatedAt": 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.

findings (p. 83)

> Contains details on the findings in your environment.

> Type: Array of Finding (p. 159) objects

> Array Members: Minimum number of 0 items. Maximum number of 25 items.

nextToken (p. 83)

> A token to use for paginating results that are returned in the response. Set the value of this parameter to null for the first request to a list action. For subsequent calls, use the NextToken value returned from the previous request to continue listing results after the first page.

> Type: String

> Length Constraints: Minimum length of 0. Maximum length of 1000000.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

InternalServerException

> The request has failed due to an internal failure of the Amazon Inspector service.

> HTTP Status Code: 500

ThrottlingException

> The limit on the number of requests per second was exceeded.

> HTTP Status Code: 429

ValidationException

> The request has failed validation due to missing required fields or having invalid inputs.

> HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListMembers

List members associated with the Amazon Inspector delegated administrator for your organization.

Request Syntax

```
POST /members/list HTTP/1.1
Content-type: application/json

{
    "maxResults": number,
    "nextToken": "string",
    "onlyAssociated": boolean
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults (p. 87)

>	The maximum number of results to return in the response.

>	Type: Integer

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

>	Required: No

nextToken (p. 87)

>	A token to use for paginating results that are returned in the response. Set the value of this parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value returned from the previous request to continue listing results after the first page.

>	Type: String

>	Length Constraints: Minimum length of 0. Maximum length of 1000000.

>	Required: No

onlyAssociated (p. 87)

>	Specifies whether to list only currently associated members if `True` or to list all members within the organization if `False`.

>	Type: Boolean

>	Required: No

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "members": [
        {
            "accountId": "string",
            "delegatedAdminAccountId": "string",
            "relationshipStatus": "string",
            "updatedAt": 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.

members (p. 87)

> An object that contains details for each member account.
>
> Type: Array of Member (p. 173) objects
>
> Array Members: Minimum number of 0 items. Maximum number of 50 items.

nextToken (p. 87)

> The pagination parameter to be used on the next list operation to retrieve more items.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 1000000.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

> You do not have sufficient access to perform this action.
>
> HTTP Status Code: 403

InternalServerException

> The request has failed due to an internal failure of the Amazon Inspector service.
>
> HTTP Status Code: 500

ThrottlingException

> The limit on the number of requests per second was exceeded.
>
> HTTP Status Code: 429

ValidationException

> The request has failed validation due to missing required fields or having invalid inputs.
>
> HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListTagsForResource

Lists all tags attached to a given resource.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn (p. 90)

> The Amazon resource number (ARN) of the resource to list tags of.
>
> Length Constraints: Minimum length of 1. Maximum length of 1011.
>
> Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

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

Response Elements

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

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

tags (p. 90)

> The tags associated with the resource.
>
> Type: String to string map
>
> Key Length Constraints: Minimum length of 1. Maximum length of 128.
>
> Value Length Constraints: Minimum length of 0. Maximum length of 256.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListUsageTotals

Lists the Amazon Inspector usage totals over the last 30 days.

Request Syntax

```
POST /usage/list HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

accountIds (p. 92)

> The AWS account IDs to retrieve usage totals for.
>
> Type: Array of strings
>
> Array Members: Minimum number of 1 item. Maximum number of 5000 items.
>
> Pattern: `[0-9]{12}`
>
> Required: No

maxResults (p. 92)

> The maximum number of results to return in the response.
>
> Type: Integer
>
> Valid Range: Minimum value of 1. Maximum value of 500.
>
> Required: No

nextToken (p. 92)

> A token to use for paginating results that are returned in the response. Set the value of this
> parameter to null for the first request to a list action. For subsequent calls, use the `NextToken` value
> returned from the previous request to continue listing results after the first page.
>
> Type: String
>
> Length Constraints: Minimum length of 1.
>
> Required: No

Response Syntax

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

{
    "nextToken": "string",
    "totals": [
        {
            "accountId": "string",
            "usage": [
                {
                    "currency": "string",
                    "estimatedMonthlyCost": number,
                    "total": number,
                    "type": "string"
                }
            ]
        }
    ]
}
```

Response Elements

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

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

nextToken (p. 93)

The pagination parameter to be used on the next list operation to retrieve more items.

Type: String

Length Constraints: Minimum length of 1.

totals (p. 93)

An object with details on the total usage for the requested account.

Type: Array of UsageTotal (p. 207) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

Adds tags to a resource.

Request Syntax

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

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn (p. 95)

The Amazon Resource Name (ARN) of the resource to apply a tag to.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags (p. 95)

The tags to be added to a resource.

Type: String to string map

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

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

BadRequestException

One or more tags submitted as part of the request is not valid.

HTTP Status Code: 400

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UntagResource

Removes tags from a resource.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn (p. 97)

The Amazon Resource Name (ARN) for the resource to remove tags from.

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

Required: Yes

tagKeys (p. 97)

The tag keys to remove from the resource.

Array Members: Minimum number of 0 items. Maximum number of 50 items.

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

Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateFilter

Specifies the action that is to be applied to the findings that match the filter.

Request Syntax

```
POST /filters/update HTTP/1.1
Content-type: application/json

{
    "action": "string",
    "description": "string",
    "filterArn": "string",
    "filterCriteria": {
        "awsAccountId": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "componentId": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "componentType": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "ec2InstanceImageId": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "ec2InstanceSubnetId": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "ec2InstanceVpcId": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "ecrImageArchitecture": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "ecrImageHash": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "ecrImagePushedAt": [
```

```
            {
                "endInclusive": number,
                "startInclusive": number
            }
        ],
        "ecrImageRegistry": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "ecrImageRepositoryName": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "ecrImageTags": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "findingArn": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "findingStatus": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "findingType": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "firstObservedAt": [
            {
                "endInclusive": number,
                "startInclusive": number
            }
        ],
        "inspectorScore": [
            {
                "lowerInclusive": number,
                "upperInclusive": number
            }
        ],
        "lastObservedAt": [
            {
                "endInclusive": number,
                "startInclusive": number
            }
        ],
        "networkProtocol": [
            {
                "comparison": "string",
                "value": "string"
            }
        ],
        "portRange": [
```

```
        {
            "beginInclusive": number,
            "endInclusive": number
        }
    ],
    "relatedVulnerabilities": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "resourceId": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "resourceTags": [
        {
            "comparison": "string",
            "key": "string",
            "value": "string"
        }
    ],
    "resourceType": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "severity": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "title": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "updatedAt": [
        {
            "endInclusive": number,
            "startInclusive": number
        }
    ],
    "vendorSeverity": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "vulnerabilityId": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
    "vulnerabilitySource": [
        {
            "comparison": "string",
            "value": "string"
        }
    ],
```

```
        "vulnerablePackages": [
            {
                "architecture": {
                    "comparison": "string",
                    "value": "string"
                },
                "epoch": {
                    "lowerInclusive": number,
                    "upperInclusive": number
                },
                "name": {
                    "comparison": "string",
                    "value": "string"
                },
                "release": {
                    "comparison": "string",
                    "value": "string"
                },
                "sourceLayerHash": {
                    "comparison": "string",
                    "value": "string"
                },
                "version": {
                    "comparison": "string",
                    "value": "string"
                }
            }
        ]
    },
    "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

action (p. 99)

Specifies the action that is to be applied to the findings that match the filter.

Type: String

Valid Values: NONE | SUPPRESS

Required: No

description (p. 99)

A description of the filter.

Type: String

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

Required: No

filterArn (p. 99)

The Amazon Resource Number (ARN) of the filter to update.

Type: String

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

Required: Yes

filterCriteria (p. 99)

Defines the criteria to be update in the filter.

Type: FilterCriteria (p. 154) object

Required: No

name (p. 99)

The name of the filter.

Type: String

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

Required: No

Response Syntax

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

{
    "arn": "string"
}
```

Response Elements

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

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

arn (p. 103)

The Amazon Resource Number (ARN) of the successfully updated filter.

Type: String

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

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ResourceNotFoundException

The operation tried to access an invalid resource. Make sure the resource is specified correctly.

HTTP Status Code: 404

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateOrganizationConfiguration

Updates the configurations for your Amazon Inspector organization.

Request Syntax

```
POST /organizationconfiguration/update HTTP/1.1
Content-type: application/json

{
    "autoEnable": {
        "ec2": boolean,
        "ecr": boolean
    }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

autoEnable (p. 105)

Defines which scan types are enabled automatically for new members of your Amazon Inspector organization.

Type: AutoEnable (p. 119) object

Required: Yes

Response Syntax

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

{
    "autoEnable": {
        "ec2": boolean,
        "ecr": 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.

autoEnable (p. 105)

The updated status of scan types automatically enabled for new members of your Amazon Inspector organization.

Type: AutoEnable (p. 119) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal failure of the Amazon Inspector service.

HTTP Status Code: 500

ThrottlingException

The limit on the number of requests per second was exceeded.

HTTP Status Code: 429

ValidationException

The request has failed validation due to missing required fields or having invalid inputs.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Data Types

The Inspector2 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:

Account

An AWS account within your environment that Amazon Inspector has been enabled for.

Contents

accountId

The ID of the AWS account.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: Yes

resourceStatus

Details of the status of Amazon Inspector scans by resource type.

Type: ResourceStatus (p. 196) object

Required: Yes

status

The status of Amazon Inspector for the account.

Type: String

Valid Values: `ENABLING | ENABLED | DISABLING | DISABLED | SUSPENDING | SUSPENDED`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AccountAggregation

An object that contains details about an aggregation response based on AWS accounts.

Contents

findingType

>
The type of finding.

Type: String

Valid Values: `NETWORK_REACHABILITY | PACKAGE_VULNERABILITY`

Required: No

resourceType

>
The type of resource.

Type: String

Valid Values: `AWS_EC2_INSTANCE | AWS_ECR_CONTAINER_IMAGE`

Required: No

sortBy

>
The value to sort by.

Type: String

Valid Values: `CRITICAL | HIGH | ALL`

Required: No

sortOrder

>
The sort order (ascending or descending).

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AccountAggregationResponse

An aggregation of findings by AWS account ID.

Contents

accountId

The AWS account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

severityCounts

The number of findings by severity.

Type: SeverityCounts (p. 198) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AccountState

An object with details the status of an AWS account within your Amazon Inspector environment

Contents

accountId

The AWS account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: Yes

resourceState

An object detailing which resources Amazon Inspector is enabled to scan for the account.

Type: ResourceState (p. 195) object

Required: Yes

state

An object detailing the status of Amazon Inspector for the account.

Type: State (p. 200) object

Required: Yes

See Also

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

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

AggregationRequest

Contains details about an aggregation request.

Contents

accountAggregation

An object that contains details about an aggregation request based on AWS account IDs.

Type: AccountAggregation (p. 110) object

Required: No

amiAggregation

An object that contains details about an aggregation request based on Amazon Machine Images (AMIs).

Type: AmiAggregation (p. 117) object

Required: No

awsEcrContainerAggregation

An object that contains details about an aggregation request based on Amazon ECR container images.

Type: AwsEcrContainerAggregation (p. 122) object

Required: No

ec2InstanceAggregation

An object that contains details about an aggregation request based on Amazon EC2 instances.

Type: Ec2InstanceAggregation (p. 143) object

Required: No

findingTypeAggregation

An object that contains details about an aggregation request based on finding types.

Type: FindingTypeAggregation (p. 162) object

Required: No

imageLayerAggregation

An object that contains details about an aggregation request based on container image layers.

Type: ImageLayerAggregation (p. 167) object

Required: No

packageAggregation

An object that contains details about an aggregation request based on operating system package type.

Type: PackageAggregation (p. 178) object

Required: No

repositoryAggregation

An object that contains details about an aggregation request based on Amazon ECR repositories.

Type: RepositoryAggregation (p. 189) object

Required: No

titleAggregation

An object that contains details about an aggregation request based on finding title.

Type: TitleAggregation (p. 203) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AggregationResponse

A structure that contains details about the results of an aggregation type.

Contents

accountAggregation

An object that contains details about an aggregation response based on AWS account IDs.

Type: AccountAggregationResponse (p. 111) object

Required: No

amiAggregation

An object that contains details about an aggregation response based on Amazon Machine Images (AMIs).

Type: AmiAggregationResponse (p. 118) object

Required: No

awsEcrContainerAggregation

An object that contains details about an aggregation response based on Amazon ECR container images.

Type: AwsEcrContainerAggregationResponse (p. 124) object

Required: No

ec2InstanceAggregation

An object that contains details about an aggregation response based on Amazon EC2 instances.

Type: Ec2InstanceAggregationResponse (p. 145) object

Required: No

findingTypeAggregation

An object that contains details about an aggregation response based on finding types.

Type: FindingTypeAggregationResponse (p. 163) object

Required: No

imageLayerAggregation

An object that contains details about an aggregation response based on container image layers.

Type: ImageLayerAggregationResponse (p. 169) object

Required: No

packageAggregation

An object that contains details about an aggregation response based on operating system package type.

Type: PackageAggregationResponse (p. 179) object

Required: No

repositoryAggregation

An object that contains details about an aggregation response based on Amazon ECR repositories.

Type: RepositoryAggregationResponse (p. 190) object

Required: No

titleAggregation

An object that contains details about an aggregation response based on finding title.

Type: TitleAggregationResponse (p. 205) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AmiAggregation

The details that define an aggregation based on Amazon machine images (AMIs).

Contents

amis

The IDs of AMIs to aggregate findings for.

Type: Array of StringFilter (p. 202) objects

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

Required: No

sortBy

The value to sort results by.

Type: String

Valid Values: `CRITICAL | HIGH | ALL | AFFECTED_INSTANCES`

Required: No

sortOrder

The order to sort results by.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AmiAggregationResponse

A response that contains the results of a finding aggregation by AMI.

Contents

accountId

The AWS account ID that the AMI belongs.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

affectedInstances

The IDs of Amazon EC2 instances using this AMI.

Type: Long

Required: No

ami

The ID of the AMI that findings were aggregated for.

Type: String

Pattern: `^ami-([a-z0-9]{8}|[a-z0-9]{17}|\*)$`

Required: Yes

severityCounts

An object that contains the count of matched findings per severity.

Type: SeverityCounts (p. 198) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AutoEnable

Represents which scan types are automatically enabled for new members of your Amazon Inspector organization.

Contents

ec2

Represents whether Amazon EC2 scans are automatically enabled for new members of your Amazon Inspector organization.

Type: Boolean

Required: Yes

ecr

Represents whether Amazon ECR scans are automatically enabled for new members of your Amazon Inspector organization.

Type: Boolean

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AwsEc2InstanceDetails

Details of the Amazon EC2 instance involved in a finding.

Contents

iamInstanceProfileArn

The IAM instance profile ARN of the Amazon EC2 instance.

Type: String

Length Constraints: Minimum length of 1.

Required: No

imageId

The image ID of the Amazon EC2 instance.

Type: String

Length Constraints: Minimum length of 1.

Required: No

ipV4Addresses

The IPv4 addresses of the Amazon EC2 instance.

Type: Array of strings

Length Constraints: Minimum length of 7. Maximum length of 15.

Pattern: ^(([0-9]|[1-9][0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5])\.){3}([0-9]|[1-9]
[0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5])$

Required: No

ipV6Addresses

The IPv6 addresses of the Amazon EC2 instance.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 47.

Required: No

keyName

The name of the key pair used to launch the Amazon EC2 instance.

Type: String

Length Constraints: Minimum length of 1.

Required: No

launchedAt

The date and time the Amazon EC2 instance was launched at.

Type: Timestamp

Required: No

platform

The platform of the Amazon EC2 instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

subnetId

The subnet ID of the Amazon EC2 instance.

Type: String

Length Constraints: Minimum length of 1.

Required: No

type

The type of the Amazon EC2 instance.

Type: String

Length Constraints: Minimum length of 1.

Required: No

vpcId

The VPC ID of the Amazon EC2 instance.

Type: String

Length Constraints: Minimum length of 1.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AwsEcrContainerAggregation

An aggregation of information about Amazon ECR containers.

Contents

architectures

The architecture of the containers.

Type: Array of StringFilter (p. 202) objects

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

Required: No

imageShas

The image SHA values.

Type: Array of StringFilter (p. 202) objects

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

Required: No

imageTags

The image tags.

Type: Array of StringFilter (p. 202) objects

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

Required: No

repositories

The container repositories.

Type: Array of StringFilter (p. 202) objects

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

Required: No

resourceIds

The container resource IDs.

Type: Array of StringFilter (p. 202) objects

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

Required: No

sortBy

The value to sort by.

Type: String

Valid Values: `CRITICAL | HIGH | ALL`

Required: No

sortOrder

The sort order (ascending or descending).

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AwsEcrContainerAggregationResponse

An aggregation of information about Amazon ECR containers.

Contents

accountId

The AWS account ID of the account that owns the container.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

architecture

The architecture of the container.

Type: String

Required: No

imageSha

The SHA value of the container image.

Type: String

Required: No

imageTags

The container image stags.

Type: Array of strings

Length Constraints: Minimum length of 1.

Required: No

repository

The container repository.

Type: String

Required: No

resourceId

The resource ID of the container.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

severityCounts

The number of finding by severity.

Type: SeverityCounts (p. 198) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AwsEcrContainerImageDetails

The image details of the Amazon ECR container image.

Contents

architecture

The architecture of the Amazon ECR container image.

Type: String

Length Constraints: Minimum length of 1.

Required: No

author

The image author of the Amazon ECR container image.

Type: String

Required: No

imageHash

The image hash of the Amazon ECR container image.

Type: String

Length Constraints: Fixed length of 71.

Pattern: `^sha256:[a-z0-9]{64}$`

Required: Yes

imageTags

The image tags attached to the Amazon ECR container image.

Type: Array of strings

Length Constraints: Minimum length of 1.

Required: No

platform

The platform of the Amazon ECR container image.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

pushedAt

The date and time the Amazon ECR container image was pushed.

Type: Timestamp

Required: No

registry

The registry the Amazon ECR container image belongs to.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

repositoryName

The name of the repository the Amazon ECR container image resides in.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

See Also

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

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

Counts

a structure that contains information on the count of resources within a group.

Contents

count

The number of resources.

Type: Long

Required: No

groupKey

The key associated with this group

Type: String

Valid Values: `SCAN_STATUS_CODE` | `SCAN_STATUS_REASON` | `ACCOUNT_ID` | `RESOURCE_TYPE` | `ECR_REPOSITORY_NAME`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CoverageFilterCriteria

A structure that identifies filter criteria for `GetCoverageStatistics`.

Contents

accountId

An array of AWS account IDs to return coverage statistics for.

Type: Array of CoverageStringFilter (p. 132) objects

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

Required: No

ec2InstanceTags

The Amazon EC2 instance tags to filter on.

Type: Array of CoverageMapFilter (p. 131) objects

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

Required: No

ecrImageTags

The Amazon ECR image tags to filter on.

Type: Array of CoverageStringFilter (p. 132) objects

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

Required: No

ecrRepositoryName

The Amazon ECR repository name to filter on.

Type: Array of CoverageStringFilter (p. 132) objects

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

Required: No

resourceId

An array of AWS resource IDs to return coverage statistics for.

Type: Array of CoverageStringFilter (p. 132) objects

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

Required: No

resourceType

An array of AWS resource types to return coverage statistics for.

Type: Array of CoverageStringFilter (p. 132) objects

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

Required: No

scanStatusCode

The scan status code to filter on.

Type: Array of CoverageStringFilter (p. 132) objects

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

Required: No

scanStatusReason

The scan status reason to filter on.

Type: Array of CoverageStringFilter (p. 132) objects

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

Required: No

scanType

An array of Amazon Inspector scan types to return coverage statistics for.

Type: Array of CoverageStringFilter (p. 132) objects

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

Required: No

See Also

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

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

CoverageMapFilter

Contains details of a coverage map filter.

Contents

comparison

The operator to compare coverage on.

Type: String

Valid Values: `EQUALS`

Required: Yes

key

The tag key associated with the coverage map filter.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

value

The tag value associated with the coverage map filter.

Type: String

Length Constraints: Minimum length of 1.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CoverageStringFilter

Contains details of a coverage string filter.

Contents

comparison

The operator to compare strings on.

Type: String

Valid Values: `EQUALS | NOT_EQUALS`

Required: Yes

value

The value to compare strings on.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CoveredResource

An object that contains details about a resource covered by Amazon Inspector.

Contents

accountId

The AWS account ID of the covered resource.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: Yes

resourceId

The ID of the covered resource.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 341.

Pattern: `(^arn:.*:ecr:.*:\d{12}:repository\/(?:[a-z0-9]+(?:[._-][a-z0-9]+)*`
`\/)*[a-z0-9]+(?:[._-][a-z0-9]+)*(\/sha256:[a-z0-9]{64})?$)|(^i-([a-z0-9]{8}|`
`[a-z0-9]{17}|\\*)$)`

Required: Yes

resourceMetadata

An object that contains details about the metadata.

Type: ResourceScanMetadata (p. 194) object

Required: No

resourceType

The type of the covered resource.

Type: String

Valid Values: `AWS_EC2_INSTANCE | AWS_ECR_CONTAINER_IMAGE | AWS_ECR_REPOSITORY`

Required: Yes

scanStatus

The status of the scan covering the resource.

Type: ScanStatus (p. 197) object

Required: No

scanType

The Amazon Inspector scan type covering the resource.

Type: String

Valid Values: `NETWORK | PACKAGE`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CvssScore

The CVSS score for a finding.

Contents

baseScore

The base CVSS score used for the finding.

Type: Double

Required: Yes

scoringVector

The vector string of the CVSS score.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

source

The source of the CVSS score.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

version

The version of CVSS used for the score.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

See Also

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

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

CvssScoreAdjustment

Details on adjustments Amazon Inspector made to the CVSS score for a finding.

Contents

metric

The metric used to adjust the CVSS score.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

reason

The reason the CVSS score has been adjustment.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

See Also

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

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

CvssScoreDetails

Information about the CVSS score.

Contents

adjustments

An object that contains details about adjustment Amazon Inspector made to the CVSS score.

Type: Array of CvssScoreAdjustment (p. 136) objects

Required: No

cvssSource

The source of the CVSS data.

Type: String

Length Constraints: Minimum length of 1.

Required: No

score

The CVSS score.

Type: Double

Required: Yes

scoreSource

The source for the CVSS score.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

scoringVector

The vector for the CVSS score.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

version

The CVSS version used in scoring.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

See Also

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

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

DateFilter

Contains details on the time range used to filter findings.

Contents

endInclusive

A timestamp representing the end of the time period filtered on.

Type: Timestamp

Required: No

startInclusive

A timestamp representing the start of the time period filtered on.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DelegatedAdmin

Details of the Amazon Inspector delegated administrator for your organization.

Contents

accountId

The AWS account ID of the Amazon Inspector delegated administrator for your organization.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

relationshipStatus

The status of the Amazon Inspector delegated administrator.

Type: String

Valid Values: `CREATED | INVITED | DISABLED | ENABLED | REMOVED | RESIGNED | DELETED | EMAIL_VERIFICATION_IN_PROGRESS | EMAIL_VERIFICATION_FAILED | REGION_DISABLED | ACCOUNT_SUSPENDED | CANNOT_CREATE_DETECTOR_IN_ORG_MASTER`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DelegatedAdminAccount

Details of the Amazon Inspector delegated administrator for your organization.

Contents

accountId

The AWS account ID of the Amazon Inspector delegated administrator for your organization.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

status

The status of the Amazon Inspector delegated administrator.

Type: String

Valid Values: `ENABLED | DISABLE_IN_PROGRESS`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Destination

Contains details of the Amazon S3 bucket and AWS KMS key used to export findings.

Contents

bucketName

The name of the Amazon S3 bucket to export findings to.

Type: String

Required: Yes

keyPrefix

The prefix of the KMS key used to export findings.

Type: String

Required: No

kmsKeyArn

The ARN of the KMS key used to encrypt data when exporting findings.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Ec2InstanceAggregation

The details that define an aggregation based on Amazon EC2 instances.

Contents

amis

The AMI IDs associated with the Amazon EC2 instances to aggregate findings for.

Type: Array of StringFilter (p. 202) objects

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

Required: No

instanceIds

The Amazon EC2 instance IDs to aggregate findings for.

Type: Array of StringFilter (p. 202) objects

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

Required: No

instanceTags

The Amazon EC2 instance tags to aggregate findings for.

Type: Array of MapFilter (p. 172) objects

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

Required: No

operatingSystems

The operating system types to aggregate findings for. Valid values must be uppercase and underscore separated, examples are `ORACLE_LINUX_7` and `ALPINE_LINUX_3_8`.

Type: Array of StringFilter (p. 202) objects

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

Required: No

sortBy

The value to sort results by.

Type: String

Valid Values: `NETWORK_FINDINGS | CRITICAL | HIGH | ALL`

Required: No

sortOrder

The order to sort results by.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Ec2InstanceAggregationResponse

A response that contains the results of a finding aggregation by Amazon EC2 instance.

Contents

accountId

The AWS account the Amazon EC2 instance belongs to.

Type: String

Required: No

ami

The Amazon Machine Image (AMI) of the Amazon EC2 instance.

Type: String

Pattern: `^ami-([a-z0-9]{8}|[a-z0-9]{17}|\*)$`

Required: No

instanceId

The Amazon EC2 instance ID.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

instanceTags

The tags attached to the instance.

Type: String to string map

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

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

Required: No

networkFindings

The number of network findings for the Amazon EC2 instance.

Type: Long

Required: No

operatingSystem

The operating system of the Amazon EC2 instance.

Type: String

Required: No

severityCounts

An object that contains the count of matched findings per severity.

Type: SeverityCounts (p. 198) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Ec2Metadata

Meta data details of an Amazon EC2 instance.

Contents

amiId

The ID of the Amazon Machine Image (AMI) used to launch the instance.

Type: String

Pattern: `^ami-([a-z0-9]{8}|[a-z0-9]{17}|\*)$`

Required: No

platform

The platform of the instance.

Type: String

Valid Values: `WINDOWS | LINUX | UNKNOWN`

Required: No

tags

The tags attached to the instance.

Type: String to string map

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

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

Required: No

See Also

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

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

EcrContainerImageMetadata

Information on the Amazon ECR image metadata associated with a finding.

Contents

tags

Tags associated with the Amazon ECR image metadata.

Type: Array of strings

Required: No

See Also

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

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

EcrRepositoryMetadata

Information on the Amazon ECR repository metadata associated with a finding.

Contents

name

The name of the Amazon ECR repository.

Type: String

Required: No

scanFrequency

The frequency of scans.

Type: String

Valid Values: `MANUAL | SCAN_ON_PUSH | CONTINUOUS_SCAN`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FailedAccount

An object with details on why an account failed to enable Amazon Inspector.

Contents

accountId

The AWS account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: Yes

errorCode

The error code explaining why the account failed to enable Amazon Inspector.

Type: String

Valid Values: `ALREADY_ENABLED | ENABLE_IN_PROGRESS | DISABLE_IN_PROGRESS | SUSPEND_IN_PROGRESS | RESOURCE_NOT_FOUND | ACCESS_DENIED | INTERNAL_ERROR | SSM_UNAVAILABLE | SSM_THROTTLED | EVENTBRIDGE_UNAVAILABLE | EVENTBRIDGE_THROTTLED | RESOURCE_SCAN_NOT_DISABLED | DISASSOCIATE_ALL_MEMBERS`

Required: Yes

errorMessage

The error message received when the account failed to enable Amazon Inspector.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

resourceStatus

An object detailing which resources Amazon Inspector is enabled to scan for the account.

Type: ResourceStatus (p. 196) object

Required: No

status

The status of Amazon Inspector for the account.

Type: String

Valid Values: `ENABLING | ENABLED | DISABLING | DISABLED | SUSPENDING | SUSPENDED`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Filter

Details about a filter.

Contents

action

The action that is to be applied to the findings that match the filter.

Type: String

Valid Values: NONE | SUPPRESS

Required: Yes

arn

The Amazon Resource Number (ARN) associated with this filter.

Type: String

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

Required: Yes

createdAt

The date and time this filter was created at.

Type: Timestamp

Required: Yes

criteria

Details on the filter criteria associated with this filter.

Type: FilterCriteria (p. 154) object

Required: Yes

description

A description of the filter.

Type: String

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

Required: No

name

The name of the filter.

Type: String

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

Required: Yes

ownerId

The AWS account ID of the account that created the filter.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 34.

Pattern: `(^\d{12}$)|(^o-[a-z0-9]{10,32}$)`

Required: Yes

reason

The reason for the filter.

Type: String

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

Required: No

tags

The tags attached to the filter.

Type: String to string map

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

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

Required: No

updatedAt

The date and time the filter was last updated at.

Type: Timestamp

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FilterCriteria

Details on the criteria used to define the filter.

Contents

awsAccountId

Details of the AWS account IDs used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

componentId

Details of the component IDs used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

componentType

Details of the component types used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

ec2InstanceImageId

Details of the Amazon EC2 instance image IDs used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

ec2InstanceSubnetId

Details of the Amazon EC2 instance subnet IDs used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

ec2InstanceVpcId

Details of the Amazon EC2 instance VPC IDs used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

ecrImageArchitecture

Details of the Amazon ECR image architecture types used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

ecrImageHash

Details of the Amazon ECR image hashes used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

ecrImagePushedAt

Details on the Amazon ECR image push date and time used to filter findings.

Type: Array of DateFilter (p. 139) objects

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

Required: No

ecrImageRegistry

Details on the Amazon ECR registry used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

ecrImageRepositoryName

Details on the name of the Amazon ECR repository used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

ecrImageTags

The tags attached to the Amazon ECR container image.

Type: Array of StringFilter (p. 202) objects

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

Required: No

findingArn

Details on the finding ARNs used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

findingStatus

Details on the finding status types used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

findingType

Details on the finding types used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

firstObservedAt

Details on the date and time a finding was first seen used to filter findings.

Type: Array of DateFilter (p. 139) objects

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

Required: No

inspectorScore

The Amazon Inspector score to filter on.

Type: Array of NumberFilter (p. 177) objects

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

Required: No

lastObservedAt

Details on the date and time a finding was last seen used to filter findings.

Type: Array of DateFilter (p. 139) objects

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

Required: No

networkProtocol

Details on the ingress source addresses used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

portRange

Details on the port ranges used to filter findings.

Type: Array of PortRangeFilter (p. 186) objects

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

Required: No

relatedVulnerabilities

Details on the related vulnerabilities used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

resourceId

Details on the resource IDs used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

resourceTags

Details on the resource tags used to filter findings.

Type: Array of MapFilter (p. 172) objects

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

Required: No

resourceType

Details on the resource types used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

severity

Details on the severity used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

title

Details on the finding title used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

updatedAt

Details on the date and time a finding was last updated at used to filter findings.

Type: Array of DateFilter (p. 139) objects

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

Required: No

vendorSeverity

Details on the vendor severity used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

vulnerabilityId

Details on the vulnerability ID used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

vulnerabilitySource

Details on the vulnerability type used to filter findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

vulnerablePackages

Details on the vulnerable packages used to filter findings.

Type: Array of PackageFilter (p. 180) objects

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

Required: No

See Also

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

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

Finding

Details about an Amazon Inspector finding.

Contents

awsAccountId

The AWS account ID associated with the finding.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: Yes

description

The description of the finding.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

findingArn

The Amazon Resource Number (ARN) of the finding.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

firstObservedAt

The date and time that the finding was first observed.

Type: Timestamp

Required: Yes

inspectorScore

The Amazon Inspector score given to the finding.

Type: Double

Required: No

inspectorScoreDetails

An object that contains details of the Amazon Inspector score.

Type: InspectorScoreDetails (p. 171) object

Required: No

lastObservedAt

The date and time that the finding was last observed.

Type: Timestamp

Required: Yes

networkReachabilityDetails

An object that contains the details of a network reachability finding.

Type: NetworkReachabilityDetails (p. 176) object

Required: No

packageVulnerabilityDetails

An object that contains the details of a package vulnerability finding.

Type: PackageVulnerabilityDetails (p. 182) object

Required: No

remediation

An object that contains the details about how to remediate a finding.

Type: Remediation (p. 188) object

Required: Yes

resources

Contains information on the resources involved in a finding.

Type: Array of Resource (p. 191) objects

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

Required: Yes

severity

The severity of the finding.

Type: String

Valid Values: `INFORMATIONAL | LOW | MEDIUM | HIGH | CRITICAL | UNTRIAGED`

Required: Yes

status

The status of the finding.

Type: String

Valid Values: `ACTIVE | SUPPRESSED | CLOSED`

Required: Yes

title

The title of the finding.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

type

The type of the finding.

Type: String

Valid Values: `NETWORK_REACHABILITY` | `PACKAGE_VULNERABILITY`

Required: Yes

updatedAt

The date and time the finding was last updated at.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FindingTypeAggregation

The details that define an aggregation based on finding type.

Contents

findingType

The finding type to aggregate.

Type: String

Valid Values: `NETWORK_REACHABILITY | PACKAGE_VULNERABILITY`

Required: No

resourceType

The resource type to aggregate.

Type: String

Valid Values: `AWS_EC2_INSTANCE | AWS_ECR_CONTAINER_IMAGE`

Required: No

sortBy

The value to sort results by.

Type: String

Valid Values: `CRITICAL | HIGH | ALL`

Required: No

sortOrder

The order to sort results by.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FindingTypeAggregationResponse

A response that contains the results of a finding type aggregation.

Contents

accountId

The ID of the AWS account associated with the findings.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

severityCounts

The value to sort results by.

Type: SeverityCounts (p. 198) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FreeTrialAccountInfo

Information about the Amazon Inspector free trial for an account.

Contents

accountId

The account associated with the Amazon Inspector free trial information.

Type: String

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

Required: Yes

freeTrialInfo

Contains information about the Amazon Inspector free trial for an account.

Type: Array of FreeTrialInfo (p. 165) objects

Required: Yes

See Also

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

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

FreeTrialInfo

An object that contains information about the Amazon Inspector free trial for an account.

Contents

end

The date and time that the Amazon Inspector free trail ends for a given account.

Type: Timestamp

Required: Yes

start

The date and time that the Amazon Inspector free trail started for a given account.

Type: Timestamp

Required: Yes

status

The order to sort results by.

Type: String

Valid Values: `ACTIVE | INACTIVE`

Required: Yes

type

The type of scan covered by the Amazon Inspector free trail.

Type: String

Valid Values: `EC2 | ECR`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FreeTrialInfoError

Information about an error received while accessing free trail data for an account.

Contents

accountId

The account associated with the Amazon Inspector free trial information.

Type: String

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

Required: Yes

code

The error code.

Type: String

Valid Values: `ACCESS_DENIED | INTERNAL_ERROR`

Required: Yes

message

The error message returned.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ImageLayerAggregation

The details that define an aggregation based on container image layers.

Contents

layerHashes

The hashes associated with the layers.

Type: Array of StringFilter (p. 202) objects

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

Required: No

repositories

The repository associated with the container image hosting the layers.

Type: Array of StringFilter (p. 202) objects

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

Required: No

resourceIds

The ID of the container image layer.

Type: Array of StringFilter (p. 202) objects

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

Required: No

sortBy

The value to sort results by.

Type: String

Valid Values: `CRITICAL | HIGH | ALL`

Required: No

sortOrder

The order to sort results by.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ImageLayerAggregationResponse

A response that contains the results of a finding aggregation by image layer.

Contents

accountId

The ID of the AWS account that owns the container image hosting the layer image.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: Yes

layerHash

The layer hash.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

repository

The repository the layer resides in.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

resourceId

The resource ID of the container image layer.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

severityCounts

An object that represents the count of matched findings per severity.

Type: SeverityCounts (p. 198) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

InspectorScoreDetails

Information about the Amazon Inspector score given to a finding.

Contents

adjustedCvss

An object that contains details about the CVSS score given to a finding.

Type: CvssScoreDetails (p. 137) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MapFilter

An object that describes details of a map filter.

Contents

comparison

The operator to use when comparing values in the filter.

Type: String

Valid Values: `EQUALS`

Required: Yes

key

The tag key used in the filter.

Type: String

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

Required: Yes

value

The tag value used in the filter.

Type: String

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

Required: No

See Also

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

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

Member

Details on a member account in your organization.

Contents

accountId

The AWS account ID of the member account.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

delegatedAdminAccountId

The AWS account ID of the Amazon Inspector delegated administrator for this member account.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

relationshipStatus

The status of the member account.

Type: String

Valid Values: `CREATED` | `INVITED` | `DISABLED` | `ENABLED` | `REMOVED` | `RESIGNED` | `DELETED` | `EMAIL_VERIFICATION_IN_PROGRESS` | `EMAIL_VERIFICATION_FAILED` | `REGION_DISABLED` | `ACCOUNT_SUSPENDED` | `CANNOT_CREATE_DETECTOR_IN_ORG_MASTER`

Required: No

updatedAt

A timestamp showing when the status of this member was last updated.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

NetworkPath

Information on the network path associated with a finding.

Contents

steps

The details on the steps in the network path.

Type: Array of Step (p. 201) objects

Array Members: Minimum number of 1 item. Maximum number of 30 items.

Required: No

See Also

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

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

NetworkReachabilityDetails

Contains the details of a network reachability finding.

Contents

networkPath

An object that contains details about a network path associated with a finding.

Type: NetworkPath (p. 175) object

Required: Yes

openPortRange

An object that contains details about the open port range associated with a finding.

Type: PortRange (p. 185) object

Required: Yes

protocol

The protocol associated with a finding.

Type: String

Valid Values: `TCP | UDP`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

NumberFilter

An object that describes the details of a number filter.

Contents

lowerInclusive

The lowest number to be included in the filter.

Type: Double

Required: No

upperInclusive

The highest number to be included in the filter.

Type: Double

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PackageAggregation

The details that define an aggregation based on operating system package type.

Contents

packageNames

The names of packages to aggregate findings on.

Type: Array of StringFilter (p. 202) objects

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

Required: No

sortBy

The value to sort results by.

Type: String

Valid Values: `CRITICAL | HIGH | ALL`

Required: No

sortOrder

The order to sort results by.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PackageAggregationResponse

A response that contains the results of a finding aggregation by image layer.

Contents

accountId

The ID of the AWS account associated with the findings.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

packageName

The name of the operating system package.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

severityCounts

An object that contains the count of matched findings per severity.

Type: SeverityCounts (p. 198) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PackageFilter

Contains information on the details of a package filter.

Contents

architecture

An object that contains details on the package architecture type to filter on.

Type: StringFilter (p. 202) object

Required: No

epoch

An object that contains details on the package epoch to filter on.

Type: NumberFilter (p. 177) object

Required: No

name

An object that contains details on the name of the package to filter on.

Type: StringFilter (p. 202) object

Required: No

release

An object that contains details on the package release to filter on.

Type: StringFilter (p. 202) object

Required: No

sourceLayerHash

An object that contains details on the source layer hash to filter on.

Type: StringFilter (p. 202) object

Required: No

version

The package version to filter on.

Type: StringFilter (p. 202) 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 Go
- AWS SDK for Java V2

- AWS SDK for Ruby V3

PackageVulnerabilityDetails

Information about a package vulnerability finding.

Contents

cvss

An object that contains details about the CVSS score of a finding.

Type: Array of CvssScore (p. 135) objects

Required: No

referenceUrls

One or more URLs that contain details about this vulnerability type.

Type: Array of strings

Length Constraints: Minimum length of 1.

Required: No

relatedVulnerabilities

One or more vulnerabilities related to the one identified in this finding.

Type: Array of strings

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

Required: No

source

The source of the vulnerability information.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

sourceUrl

A URL to the source of the vulnerability information.

Type: String

Length Constraints: Minimum length of 1.

Required: No

vendorCreatedAt

The date and time that this vulnerability was first added to the vendor's database.

Type: Timestamp

Required: No

vendorSeverity

The severity the vendor has given to this vulnerability type.

Type: String

Length Constraints: Minimum length of 1.

Required: No

vendorUpdatedAt

The date and time the vendor last updated this vulnerability in their database.

Type: Timestamp

Required: No

vulnerabilityId

The ID given to this vulnerability.

Type: String

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

Required: Yes

vulnerablePackages

The packages impacted by this vulnerability.

Type: Array of VulnerablePackage (p. 209) objects

Required: Yes

See Also

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

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

Permission

Contains information on the permissions an account has within Amazon Inspector.

Contents

operation

The operations that can be performed with the given permissions.

Type: String

Valid Values: `ENABLE_SCANNING` | `DISABLE_SCANNING` | `ENABLE_REPOSITORY` | `DISABLE_REPOSITORY`

Required: Yes

service

The services that the permissions allow an account to perform the given operations for.

Type: String

Valid Values: `EC2 | ECR`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PortRange

Details about the port range associated with a finding.

Contents

begin

The beginning port in a port range.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 65535.

Required: Yes

end

The ending port in a port range.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 65535.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PortRangeFilter

An object that describes the details of a port range filter.

Contents

beginInclusive

The port number the port range begins at.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 65535.

Required: No

endInclusive

The port number the port range ends at.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 65535.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Recommendation

Details about the recommended course of action to remediate the finding.

Contents

text

The recommended course of action to remediate the finding.

Type: String

Length Constraints: Minimum length of 1.

Required: No

Url

The URL address to the CVE remediation recommendations.

Type: String

Length Constraints: Minimum length of 1.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Remediation

Information on how to remediate a finding.

Contents

recommendation

An object that contains information about the recommended course of action to remediate the finding.

Type: Recommendation (p. 187) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RepositoryAggregation

The details that define an aggregation based on repository.

Contents

repositories

The names of repositories to aggregate findings on.

Type: Array of StringFilter (p. 202) objects

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

Required: No

sortBy

The value to sort results by.

Type: String

Valid Values: `CRITICAL | HIGH | ALL | AFFECTED_IMAGES`

Required: No

sortOrder

The order to sort results by.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RepositoryAggregationResponse

A response that contains details on the results of a finding aggregation by repository.

Contents

accountId

The ID of the AWS account associated with the findings.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

affectedImages

The number of container images impacted by the findings.

Type: Long

Required: No

repository

The name of the repository associated with the findings.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

severityCounts

An object that represent the count of matched findings per severity.

Type: SeverityCounts (p. 198) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Resource

Details about the resource involved in a finding.

Contents

details

An object that contains details about the resource involved in a finding.

Type: ResourceDetails (p. 193) object

Required: No

id

The ID of the resource.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

partition

The partition of the resource.

Type: String

Length Constraints: Minimum length of 1.

Required: No

region

The AWS Region the impacted resource is located in.

Type: String

Length Constraints: Minimum length of 1.

Required: No

tags

The tags attached to the resource.

Type: String to string map

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

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

Required: No

type

The type of resource.

Type: String

Valid Values: `AWS_EC2_INSTANCE` | `AWS_ECR_CONTAINER_IMAGE` | `AWS_ECR_REPOSITORY`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourceDetails

Contains details about the resource involved in the finding.

Contents

awsEc2Instance

An object that contains details about the Amazon EC2 instance involved in the finding.

Type: AwsEc2InstanceDetails (p. 120) object

Required: No

awsEcrContainerImage

An object that contains details about the Amazon ECR container image involved in the finding.

Type: AwsEcrContainerImageDetails (p. 126) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourceScanMetadata

An object that contains details about the metadata for an Amazon ECR resource.

Contents

ec2

An object that contains metadata details for an Amazon EC2 instance.

Type: Ec2Metadata (p. 147) object

Required: No

ecrImage

An object that contains details about the container metadata for an Amazon ECR image.

Type: EcrContainerImageMetadata (p. 148) object

Required: No

ecrRepository

An object that contains details about the repository an Amazon ECR image resides in.

Type: EcrRepositoryMetadata (p. 149) 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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourceState

Details the state of Amazon Inspector for each resource type Amazon Inspector scans.

Contents

ec2

An object detailing the state of Amazon Inspector scanning for Amazon EC2 resources.

Type: State (p. 200) object

Required: Yes

ecr

An object detailing the state of Amazon Inspector scanning for Amazon ECR resources.

Type: State (p. 200) object

Required: Yes

See Also

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

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

ResourceStatus

Details the status of Amazon Inspector for each resource type Amazon Inspector scans.

Contents

ec2

The status of Amazon Inspector scanning for Amazon EC2 resources.

Type: String

Valid Values: `ENABLING | ENABLED | DISABLING | DISABLED | SUSPENDING | SUSPENDED`

Required: Yes

ecr

The status of Amazon Inspector scanning for Amazon ECR resources.

Type: String

Valid Values: `ENABLING | ENABLED | DISABLING | DISABLED | SUSPENDING | SUSPENDED`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScanStatus

The status of the scan.

Contents

reason

The reason for the scan.

Type: String

Valid Values: `PENDING_INITIAL_SCAN` | `ACCESS_DENIED` | `INTERNAL_ERROR` | `UNMANAGED_EC2_INSTANCE` | `UNSUPPORTED_OS` | `SCAN_ELIGIBILITY_EXPIRED` | `RESOURCE_TERMINATED` | `SUCCESSFUL` | `NO_RESOURCES_FOUND` | `IMAGE_SIZE_EXCEEDED` | `SCAN_FREQUENCY_MANUAL` | `SCAN_FREQUENCY_SCAN_ON_PUSH` | `EC2_INSTANCE_STOPPED`

Required: Yes

statusCode

The status code of the scan.

Type: String

Valid Values: `ACTIVE` | `INACTIVE`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SeverityCounts

An object that contains the counts of aggregated finding per severity.

Contents

all

The total count of findings from all severities.

Type: Long

Required: No

critical

The total count of critical severity findings.

Type: Long

Required: No

high

The total count of high severity findings.

Type: Long

Required: No

medium

The total count of medium severity findings.

Type: Long

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SortCriteria

Details about the criteria used to sort finding results.

Contents

field

The finding detail field by which results are sorted.

Type: String

Valid Values: `AWS_ACCOUNT_ID` | `FINDING_TYPE` | `SEVERITY` | `FIRST_OBSERVED_AT` | `LAST_OBSERVED_AT` | `FINDING_STATUS` | `RESOURCE_TYPE` | `ECR_IMAGE_PUSHED_AT` | `ECR_IMAGE_REPOSITORY_NAME` | `ECR_IMAGE_REGISTRY` | `NETWORK_PROTOCOL` | `COMPONENT_TYPE` | `VULNERABILITY_ID` | `VULNERABILITY_SOURCE` | `INSPECTOR_SCORE` | `VENDOR_SEVERITY`

Required: Yes

sortOrder

The order by which findings are sorted.

Type: String

Valid Values: `ASC` | `DESC`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

State

An object that described the state of Amazon Inspector scans for an account.

Contents

errorCode

The error code explaining why the account failed to enable Amazon Inspector.

Type: String

Valid Values: `ALREADY_ENABLED | ENABLE_IN_PROGRESS | DISABLE_IN_PROGRESS | SUSPEND_IN_PROGRESS | RESOURCE_NOT_FOUND | ACCESS_DENIED | INTERNAL_ERROR | SSM_UNAVAILABLE | SSM_THROTTLED | EVENTBRIDGE_UNAVAILABLE | EVENTBRIDGE_THROTTLED | RESOURCE_SCAN_NOT_DISABLED | DISASSOCIATE_ALL_MEMBERS`

Required: Yes

errorMessage

The error message received when the account failed to enable Amazon Inspector.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

status

The status of Amazon Inspector for the account.

Type: String

Valid Values: `ENABLING | ENABLED | DISABLING | DISABLED | SUSPENDING | SUSPENDED`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Step

Details about the step associated with a finding.

Contents

componentId

The component ID.

Type: String

Required: Yes

componentType

The component type.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StringFilter

An object that describes the details of a string filter.

Contents

comparison

The operator to use when comparing values in the filter

Type: String

Valid Values: `EQUALS | PREFIX | NOT_EQUALS`

Required: Yes

value

The value to filter on.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TitleAggregation

The details that define an aggregation based on finding title.

Contents

resourceType

The resource type to aggregate on.

Type: String

Valid Values: `AWS_EC2_INSTANCE | AWS_ECR_CONTAINER_IMAGE`

Required: No

sortBy

The value to sort results by.

Type: String

Valid Values: `CRITICAL | HIGH | ALL`

Required: No

sortOrder

The order to sort results by.

Type: String

Valid Values: `ASC | DESC`

Required: No

titles

The finding titles to aggregate on.

Type: Array of StringFilter (p. 202) objects

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

Required: No

vulnerabilityIds

The vulnerability IDs of the findings.

Type: Array of StringFilter (p. 202) objects

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

Required: No

See Also

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

- AWS SDK for C++

- AWS SDK for Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TitleAggregationResponse

A response that contains details on the results of a finding aggregation by title.

Contents

accountId

The ID of the AWS account associated with the findings.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

severityCounts

An object that represent the count of matched findings per severity.

Type: SeverityCounts (p. 198) object

Required: No

title

The title that the findings were aggregated on.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

vulnerabilityId

The vulnerability ID of the finding.

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Usage

Contains usage information about the cost of Amazon Inspector operation.

Contents

currency

The currency type used when calculating usage data.

Type: String

Valid Values: `USD`

Required: No

estimatedMonthlyCost

The estimated monthly cost of Amazon Inspector.

Type: Double

Valid Range: Minimum value of 0.

Required: No

total

The total of usage.

Type: Double

Valid Range: Minimum value of 0.

Required: No

type

The type scan.

Type: String

Valid Values: `EC2_INSTANCE_HOURS | ECR_INITIAL_SCAN | ECR_RESCAN`

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 Go
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UsageTotal

The total of usage for an account ID.

Contents

accountId

The account ID of the account that usage data was retrieved for.

Type: String

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

Required: No

usage

An object representing the total usage for an account.

Type: Array of Usage (p. 206) objects

Required: No

See Also

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

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

ValidationExceptionField

An object that describes a validation exception.

Contents

message

The validation exception message.

Type: String

Required: Yes

name

The name of the validation exception.

Type: String

Required: Yes

See Also

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

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

VulnerablePackage

Information on the vulnerable package identified by a finding.

Contents

arch

The architecture of the vulnerable package.

Type: String

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

Required: No

epoch

The epoch of the vulnerable package.

Type: Integer

Required: No

filePath

The file path of the vulnerable package.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

fixedInVersion

The version of the package that contains the vulnerability fix.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

name

The name of the vulnerable package.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

packageManager

The package manager of the vulnerable package.

Type: String

Valid Values: `BUNDLER | CARGO | COMPOSER | NPM | NUGET | PIPENV | POETRY | YARN | GOBINARY | GOMOD | JAR | OS`

Required: No

release

The release of the vulnerable package.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

sourceLayerHash

The source layer hash of the vulnerable package.

Type: String

Length Constraints: Fixed length of 71.

Pattern: `^sha256:[a-z0-9]{64}$`

Required: No

version

The version of the vulnerable package.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

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 Go
- 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 Signature Version 4 Signing Process in the *Amazon Web Services General Reference*.

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 Task 2: Create a String to Sign for Signature Version 4 in the *Amazon Web Services General Reference*.

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 Handling Dates in Signature Version 4 in the *Amazon Web Services General Reference*.

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 Security Token Service, go to AWS Services That Work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from the AWS Security Token Service, 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 Task 1: Create a Canonical Request For Signature Version 4 in the *Amazon Web Services General Reference*.

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

InvalidParameterCombination

Parameters that must not be used together were used together.

HTTP Status Code: 400

InvalidParameterValue

An invalid or out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

InvalidQueryParameter

The AWS query string is malformed or does not adhere to AWS standards.

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error.

HTTP Status Code: 404

MissingAction

The request is missing an action or a required parameter.

HTTP Status Code: 400

MissingAuthenticationToken

The request must contain either a valid (registered) AWS access key ID or X.509 certificate.

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

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