



API Reference

Migration Hub Strategy Recommendations



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Migration Hub Strategy Recommendations: API Reference

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Welcome

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

This document was last published on July 3, 2024.

Actions

The following actions are supported:

- [GetApplicationComponentDetails](#)
- [GetApplicationComponentStrategies](#)
- [GetAssessment](#)
- [GetImportFileTask](#)
- [GetLatestAssessmentId](#)
- [GetPortfolioPreferences](#)
- [GetPortfolioSummary](#)
- [GetRecommendationReportDetails](#)
- [GetServerDetails](#)
- [GetServerStrategies](#)
- [ListAnalyzableServers](#)
- [ListApplicationComponents](#)
- [ListCollectors](#)
- [ListImportFileTask](#)
- [ListServers](#)
- [PutPortfolioPreferences](#)
- [StartAssessment](#)
- [StartImportFileTask](#)
- [StartRecommendationReportGeneration](#)
- [StopAssessment](#)
- [UpdateApplicationComponentConfig](#)
- [UpdateServerConfig](#)

GetApplicationComponentDetails

Retrieves details about an application component.

Request Syntax

```
GET /get-applicationcomponent-details/applicationComponentId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationComponentId

The ID of the application component. The ID is unique within an AWS account.

Length Constraints: Minimum length of 0. Maximum length of 44.

Pattern: [0-9a-zA-Z-]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "applicationComponentDetail": {
    "analysisStatus": "string",
    "antipatternReportS3Object": {
      "s3Bucket": "string",
      "s3key": "string"
    },
    "antipatternReportStatus": "string",
    "antipatternReportStatusMessage": "string",
    "appType": "string",
    "appUnitError": {
```

```
    "appUnitErrorCategory": "string"
  },
  "associatedServerId": "string",
  "databaseConfigDetail": {
    "secretName": "string"
  },
  "id": "string",
  "inclusionStatus": "string",
  "lastAnalyzedTimestamp": number,
  "listAntipatternSeveritySummary": [
    {
      "count": number,
      "severity": "string"
    }
  ],
  "moreServerAssociationExists": boolean,
  "name": "string",
  "osDriver": "string",
  "osVersion": "string",
  "recommendationSet": {
    "strategy": "string",
    "targetDestination": "string",
    "transformationTool": {
      "description": "string",
      "name": "string",
      "tranformationToolInstallationLink": "string"
    }
  },
  "resourceSubType": "string",
  "resultList": [
    {
      "analysisStatus": { ... },
      "analysisType": "string",
      "antipatternReportResultList": [
        {
          "analyzerName": { ... },
          "antiPatternReportS3Object": {
            "s3Bucket": "string",
            "s3key": "string"
          },
          "antipatternReportStatus": "string",
          "antipatternReportStatusMessage": "string"
        }
      ],
    }
  ],
```



```
        "statusMessage": "string"
      }
    ],
    "runtimeStatus": "string",
    "runtimeStatusMessage": "string",
    "sourceCodeRepositories": [
      {
        "branch": "string",
        "projectName": "string",
        "repository": "string",
        "versionControlType": "string"
      }
    ],
    "statusMessage": "string"
  },
  "associatedApplications": [
    {
      "id": "string",
      "name": "string"
    }
  ],
  "associatedServerIds": [ "string" ],
  "moreApplicationResource": 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.

[applicationComponentDetail](#)

Detailed information about an application component.

Type: [ApplicationComponentDetail](#) object

[associatedApplications](#)

The associated application group as defined in AWS Application Discovery Service.

Type: Array of [AssociatedApplication](#) objects

associatedServerIds

A list of the IDs of the servers on which the application component is running.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

moreApplicationResource

Set to true if the application component belongs to more than one application group.

Type: Boolean

Errors

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

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ResourceNotFoundException

The specified ID in the request is not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

See Also

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

- [AWS Command Line Interface](#)

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

GetApplicationComponentStrategies

Retrieves a list of all the recommended strategies and tools for an application component running on a server.

Request Syntax

```
GET /get-applicationcomponent-strategies/applicationComponentId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationComponentId

The ID of the application component. The ID is unique within an AWS account.

Length Constraints: Minimum length of 0. Maximum length of 44.

Pattern: [0-9a-zA-Z-]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "applicationComponentStrategies": [
    {
      "isPreferred": boolean,
      "recommendation": {
        "strategy": "string",
        "targetDestination": "string",
        "transformationTool": {
```

```
        "description": "string",
        "name": "string",
        "transformationToolInstallationLink": "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.

applicationComponentStrategies

A list of application component strategy recommendations.

Type: Array of [ApplicationComponentStrategy](#) objects

Errors

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

InternalServerErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

ResourceNotFoundException

The specified ID in the request is not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

See Also

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

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

GetAssessment

Retrieves the status of an on-going assessment.

Request Syntax

```
GET /get-assessment/id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

id

The `assessmentid` returned by [StartAssessment](#).

Length Constraints: Minimum length of 0. Maximum length of 52.

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "assessmentTargets": [
    {
      "condition": "string",
      "name": "string",
      "values": [ "string ]
    }
  ],
  "dataCollectionDetails": {
    "completionTime": number,
```

```
    "failed": number,
    "inProgress": number,
    "servers": number,
    "startTime": number,
    "status": "string",
    "statusMessage": "string",
    "success": number
  },
  "id": "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.

assessmentTargets

List of criteria for assessment.

Type: Array of [AssessmentTarget](#) objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

dataCollectionDetails

Detailed information about the assessment.

Type: [DataCollectionDetails](#) object

id

The ID for the specific assessment task.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 52.

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

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ResourceNotFoundException

The specified ID in the request is not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

See Also

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

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

GetImportFileTask

Retrieves the details about a specific import task.

Request Syntax

```
GET /get-import-file-task/id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

id

The ID of the import file task. This ID is returned in the response of [StartImportFileTask](#).

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "completionTime": number,
  "id": "string",
  "importName": "string",
  "inputS3Bucket": "string",
  "inputS3Key": "string",
  "numberOfRecordsFailed": number,
  "numberOfRecordsSuccess": number,
  "startTime": number,
```

```
"status": "string",  
"statusReportS3Bucket": "string",  
"statusReportS3Key": "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.

completionTime

The time that the import task completed.

Type: Timestamp

id

The import file task id returned in the response of [StartImportFileTask](#).

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

importName

The name of the import task given in [StartImportFileTask](#).

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

inputS3Bucket

The S3 bucket where import file is located.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Pattern: `[0-9a-z]+[0-9a-z\.\-]*[0-9a-z]+`

inputS3Key

The Amazon S3 key name of the import file.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

numberOfRecordsFailed

The number of records that failed to be imported.

Type: Integer

numberOfRecordsSuccess

The number of records successfully imported.

Type: Integer

startTime

Start time of the import task.

Type: Timestamp

status

Status of import file task.

Type: String

Valid Values: `ImportInProgress | ImportFailed | ImportPartialSuccess | ImportSuccess | DeleteInProgress | DeleteFailed | DeletePartialSuccess | DeleteSuccess`

statusReportS3Bucket

The S3 bucket name for status report of import task.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Pattern: `[0-9a-z]+[0-9a-z\.\-]*[0-9a-z]+`

statusReportS3Key

The Amazon S3 key name for status report of import task. The report contains details about whether each record imported successfully or why it did not.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ResourceNotFoundException

The specified ID in the request is not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

GetLatestAssessmentId

Retrieve the latest ID of a specific assessment task.

Request Syntax

```
GET /get-latest-assessment-id 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

{
  "id": "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.

id

The latest ID for the specific assessment task.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 52.

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

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

DependencyException

Dependency encountered an error.

HTTP Status Code: 500

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

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

GetPortfolioPreferences

Retrieves your migration and modernization preferences.

Request Syntax

```
GET /get-portfolio-preferences 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

{
  "applicationMode": "string",
  "applicationPreferences": {
    "managementPreference": { ... }
  },
  "databasePreferences": {
    "databaseManagementPreference": "string",
    "databaseMigrationPreference": { ... }
  },
  "prioritizeBusinessGoals": {
    "businessGoals": {
      "licenseCostReduction": number,
      "modernizeInfrastructureWithCloudNativeTechnologies": number,
      "reduceOperationalOverheadWithManagedServices": number,
      "speedOfMigration": 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.

applicationMode

The classification for application component types.

Type: String

Valid Values: ALL | KNOWN | UNKNOWN

applicationPreferences

The transformation preferences for non-database applications.

Type: [ApplicationPreferences](#) object

databasePreferences

The transformation preferences for database applications.

Type: [DatabasePreferences](#) object

prioritizeBusinessGoals

The rank of business goals based on priority.

Type: [PrioritizeBusinessGoals](#) object

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ResourceNotFoundException

The specified ID in the request is not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

See Also

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

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

GetPortfolioSummary

Retrieves overall summary including the number of servers to rehost and the overall number of anti-patterns.

Request Syntax

```
GET /get-portfolio-summary 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

{
  "assessmentSummary": {
    "antipatternReportS3Object": {
      "s3Bucket": "string",
      "s3key": "string"
    },
    "antipatternReportStatus": "string",
    "antipatternReportStatusMessage": "string",
    "lastAnalyzedTimestamp": number,
    "listAntipatternSeveritySummary": [
      {
        "count": number,
        "severity": "string"
      }
    ],
    "listApplicationComponentStatusSummary": [
      {
        "count": number,
```

```
    "srcCodeOrDbAnalysisStatus": "string"
  }
],
"listApplicationComponentStrategySummary": [
  {
    "count": number,
    "strategy": "string"
  }
],
"listApplicationComponentSummary": [
  {
    "appType": "string",
    "count": number
  }
],
"listServerStatusSummary": [
  {
    "count": number,
    "runTimeAssessmentStatus": "string"
  }
],
"listServerStrategySummary": [
  {
    "count": number,
    "strategy": "string"
  }
],
"listServerSummary": [
  {
    "count": number,
    "ServerOsType": "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.

[assessmentSummary](#)

An assessment summary for the portfolio including the number of servers to rehost and the overall number of anti-patterns.

Type: [AssessmentSummary](#) object

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

See Also

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

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

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

GetRecommendationReportDetails

Retrieves detailed information about the specified recommendation report.

Request Syntax

```
GET /get-recommendation-report-details/id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

id

The recommendation report generation task id returned by [StartRecommendationReportGeneration](#).

Length Constraints: Minimum length of 0. Maximum length of 52.

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "id": "string",
  "recommendationReportDetails": {
    "completionTime": number,
    "s3Bucket": "string",
    "s3Keys": [ "string" ],
    "startTime": number,
    "status": "string",
```

```
    "statusMessage": "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.

id

The ID of the recommendation report generation task. See the response of [StartRecommendationReportGeneration](#).

Type: String

Length Constraints: Minimum length of 0. Maximum length of 52.

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

recommendationReportDetails

Detailed information about the recommendation report.

Type: [RecommendationReportDetails](#) object

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ResourceNotFoundException

The specified ID in the request is not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

GetServerDetails

Retrieves detailed information about a specified server.

Request Syntax

```
GET /get-server-details/serverId?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[maxResults](#)

The maximum number of items to include in the response. The maximum value is 100.

[nextToken](#)

The token from a previous call that you use to retrieve the next set of results. For example, if a previous call to this action returned 100 items, but you set `maxResults` to 10. You'll receive a set of 10 results along with a token. You then use the returned token to retrieve the next set of 10.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*\S.*`

[serverId](#)

The ID of the server.

Length Constraints: Minimum length of 1. Maximum length of 27.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "associatedApplications": [
    {
      "id": "string",
      "name": "string"
    }
  ],
  "nextToken": "string",
  "serverDetail": {
    "antipatternReportS3Object": {
      "s3Bucket": "string",
      "s3key": "string"
    },
    "antipatternReportStatus": "string",
    "antipatternReportStatusMessage": "string",
    "applicationComponentStrategySummary": [
      {
        "count": number,
        "strategy": "string"
      }
    ],
    "dataCollectionStatus": "string",
    "id": "string",
    "lastAnalyzedTimestamp": number,
    "listAntipatternSeveritySummary": [
      {
        "count": number,
        "severity": "string"
      }
    ],
    "name": "string",
    "recommendationSet": {
      "strategy": "string",
      "targetDestination": "string",
      "transformationTool": {
        "description": "string",
        "name": "string",
        "tranformationToolInstallationLink": "string"
      }
    }
  }
}
```

```
    }
  },
  "serverError": {
    "serverErrorCategory": "string"
  },
  "serverType": "string",
  "statusMessage": "string",
  "systemInfo": {
    "cpuArchitecture": "string",
    "fileSystemType": "string",
    "networkInfoList": [
      {
        "interfaceName": "string",
        "ipAddress": "string",
        "macAddress": "string",
        "netMask": "string"
      }
    ],
    "osInfo": {
      "type": "string",
      "version": "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.

associatedApplications

The associated application group the server belongs to, as defined in AWS Application Discovery Service.

Type: Array of [AssociatedApplication](#) objects

nextToken

The token you use to retrieve the next set of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

serverDetail

Detailed information about the server.

Type: [ServerDetail](#) object

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ResourceNotFoundException

The specified ID in the request is not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

GetServerStrategies

Retrieves recommended strategies and tools for the specified server.

Request Syntax

```
GET /get-server-strategies/serverId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

serverId

The ID of the server.

Length Constraints: Minimum length of 1. Maximum length of 27.

Pattern: `.*\S.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "serverStrategies": [
    {
      "isPreferred": boolean,
      "numberOfApplicationComponents": number,
      "recommendation": {
        "strategy": "string",
        "targetDestination": "string",
        "transformationTool": {
          "description": "string",
```

```
        "name": "string",
        "transformationToolInstallationLink": "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.

serverStrategies

A list of strategy recommendations for the server.

Type: Array of [ServerStrategy](#) objects

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ResourceNotFoundException

The specified ID in the request is not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

ListAnalyzableServers

Retrieves a list of servers. The servers are fetched from VMWare vCenter using Migration Hub Strategy Recommendations application data collector.

Request Syntax

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

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

The maximum number of items to include in the response. The maximum value is 100.

Type: Integer

Required: No

nextToken

The token from a previous call that you use to retrieve the next set of results. For example, if a previous call to this action returned 100 items, but you set `maxResults` to 10. You'll receive a set of 10 results along with a token. You then use the returned token to retrieve the next set of 10.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: .*\\S.*

Required: No

sort

Specifies whether to sort by ascending (ASC) or descending (DESC) order.

Type: String

Valid Values: ASC | DESC

Required: No

Response Syntax

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

```
{
  "analyzableServers": [
    {
      "hostname": "string",
      "ipAddress": "string",
      "source": "string",
      "vmId": "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.

analyzableServers

The list of analyzable servers with a summary of information about each server.

Type: Array of [AnalyzableServerSummary](#) objects

nextToken

The token you use to retrieve the next set of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: .*\\S.*

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

ListApplicationComponents

Retrieves a list of all the application components (processes).

Request Syntax

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

{
  "applicationComponentCriteria": "string",
  "filterValue": "string",
  "groupIdFilter": [
    {
      "name": "string",
      "value": "string"
    }
  ],
  "maxResults": number,
  "nextToken": "string",
  "sort": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

applicationComponentCriteria

Criteria for filtering the list of application components.

Type: String

Valid Values: NOT_DEFINED | APP_NAME | SERVER_ID | APP_TYPE | STRATEGY | DESTINATION | ANALYSIS_STATUS | ERROR_CATEGORY

Required: No

filterValue

Specify the value based on the application component criteria type. For example, if `applicationComponentCriteria` is set to `SERVER_ID` and `filterValue` is set to `server1`, then [ListApplicationComponents](#) returns all the application components running on `server1`.

Type: String

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

Pattern: `.*\S.*`

Required: No

groupIdFilter

The group ID specified in to filter on.

Type: Array of [Group](#) objects

Required: No

maxResults

The maximum number of items to include in the response. The maximum value is 100.

Type: Integer

Required: No

nextToken

The token from a previous call that you use to retrieve the next set of results. For example, if a previous call to this action returned 100 items, but you set `maxResults` to 10. You'll receive a set of 10 results along with a token. You then use the returned token to retrieve the next set of 10.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*\S.*`

Required: No

sort

Specifies whether to sort by ascending (ASC) or descending (DESC) order.

Type: String

Valid Values: ASC | DESC

Required: No

Response Syntax

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

{
  "applicationComponentInfos": [
    {
      "analysisStatus": "string",
      "antipatternReportS3Object": {
        "s3Bucket": "string",
        "s3key": "string"
      },
      "antipatternReportStatus": "string",
      "antipatternReportStatusMessage": "string",
      "appType": "string",
      "appUnitError": {
        "appUnitErrorCategory": "string"
      },
      "associatedServerId": "string",
      "databaseConfigDetail": {
        "secretName": "string"
      },
      "id": "string",
      "inclusionStatus": "string",
      "lastAnalyzedTimestamp": number,
      "listAntipatternSeveritySummary": [
        {
          "count": number,
          "severity": "string"
        }
      ],
      "moreServerAssociationExists": boolean,
```

```
"name": "string",
"osDriver": "string",
"osVersion": "string",
"recommendationSet": {
  "strategy": "string",
  "targetDestination": "string",
  "transformationTool": {
    "description": "string",
    "name": "string",
    "transformationToolInstallationLink": "string"
  }
},
"resourceSubType": "string",
"resultList": [
  {
    "analysisStatus": { ... },
    "analysisType": "string",
    "antipatternReportResultList": [
      {
        "analyzerName": { ... },
        "antiPatternReportS3Object": {
          "s3Bucket": "string",
          "s3key": "string"
        },
        "antipatternReportStatus": "string",
        "antipatternReportStatusMessage": "string"
      }
    ],
    "statusMessage": "string"
  }
],
"runtimeStatus": "string",
"runtimeStatusMessage": "string",
"sourceCodeRepositories": [
  {
    "branch": "string",
    "projectName": "string",
    "repository": "string",
    "versionControlType": "string"
  }
],
"statusMessage": "string"
},
],
```

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

Response Elements

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

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

applicationComponentInfos

The list of application components with detailed information about each component.

Type: Array of [ApplicationComponentDetail](#) objects

nextToken

The token you use to retrieve the next set of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: .*\\S.*

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ServiceLinkedRoleLockClientException

Exception to indicate that the service-linked role (SLR) is locked.

HTTP Status Code: 400

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

ListCollectors

Retrieves a list of all the installed collectors.

Request Syntax

```
GET /list-collectors?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[maxResults](#)

The maximum number of items to include in the response. The maximum value is 100.

[nextToken](#)

The token from a previous call that you use to retrieve the next set of results. For example, if a previous call to this action returned 100 items, but you set `maxResults` to 10. You'll receive a set of 10 results along with a token. You then use the returned token to retrieve the next set of 10.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*\S.*`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "Collectors": [
    {
      "collectorHealth": "string",
      "collectorId": "string",
```

```
"collectorVersion": "string",
"configurationSummary": {
  "ipAddressBasedRemoteInfoList": [
    {
      "authType": "string",
      "ipAddressConfigurationTimeStamp": "string",
      "osType": "string"
    }
  ],
  "pipelineInfoList": [
    {
      "pipelineConfigurationTimeStamp": "string",
      "pipelineType": "string"
    }
  ],
  "remoteSourceCodeAnalysisServerInfo": {
    "remoteSourceCodeAnalysisServerConfigurationTimestamp": "string"
  },
  "vcenterBasedRemoteInfoList": [
    {
      "osType": "string",
      "vcenterConfigurationTimeStamp": "string"
    }
  ],
  "versionControlInfoList": [
    {
      "versionControlConfigurationTimeStamp": "string",
      "versionControlType": "string"
    }
  ]
},
"hostname": "string",
"ipAddress": "string",
"lastActivityTimeStamp": "string",
"registeredTimeStamp": "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.

Collectors

The list of all the installed collectors.

Type: Array of [Collector](#) objects

nextToken

The token you use to retrieve the next set of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: .*\\S.*

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

ListImportFileTask

Retrieves a list of all the imports performed.

Request Syntax

```
GET /list-import-file-task?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[maxResults](#)

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

[nextToken](#)

The token from a previous call that you use to retrieve the next set of results. For example, if a previous call to this action returned 100 items, but you set `maxResults` to 10. You'll receive a set of 10 results along with a token. You then use the returned token to retrieve the next set of 10.

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "taskInfos": [
    {
      "completionTime": number,
```

```
    "id": "string",
    "importName": "string",
    "inputS3Bucket": "string",
    "inputS3Key": "string",
    "numberOfRecordsFailed": number,
    "numberOfRecordsSuccess": number,
    "startTime": number,
    "status": "string",
    "statusReportS3Bucket": "string",
    "statusReportS3Key": "string"
  }
]
```

Response Elements

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

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

nextToken

The token you use to retrieve the next set of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

taskInfos

Lists information about the files you import.

Type: Array of [ImportFileTaskInformation](#) objects

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

ListServers

Returns a list of all the servers.

Request Syntax

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

```
{
  "filterValue": "string",
  "groupIdFilter": [
    {
      "name": "string",
      "value": "string"
    }
  ],
  "maxResults": number,
  "nextToken": "string",
  "serverCriteria": "string",
  "sort": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

filterValue

Specifies the filter value, which is based on the type of server criteria. For example, if `serverCriteria` is `OS_NAME`, and the `filterValue` is equal to `WindowsServer`, then `ListServers` returns all of the servers matching the OS name `WindowsServer`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

groupIdFilter

Specifies the group ID to filter on.

Type: Array of [Group](#) objects

Required: No

maxResults

The maximum number of items to include in the response. The maximum value is 100.

Type: Integer

Required: No

nextToken

The token from a previous call that you use to retrieve the next set of results. For example, if a previous call to this action returned 100 items, but you set `maxResults` to 10. You'll receive a set of 10 results along with a token. You then use the returned token to retrieve the next set of 10.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `.*\S.*`

Required: No

serverCriteria

Criteria for filtering servers.

Type: String

Valid Values: NOT_DEFINED | OS_NAME | STRATEGY | DESTINATION | SERVER_ID | ANALYSIS_STATUS | ERROR_CATEGORY

Required: No

sort

Specifies whether to sort by ascending (ASC) or descending (DESC) order.

Type: String

Valid Values: ASC | DESC

Required: No

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "nextToken": "string",
  "serverInfos": [
    {
      "antipatternReportS3Object": {
        "s3Bucket": "string",
        "s3key": "string"
      },
      "antipatternReportStatus": "string",
      "antipatternReportStatusMessage": "string",
      "applicationComponentStrategySummary": [
        {
          "count": number,
          "strategy": "string"
        }
      ],
      "dataCollectionStatus": "string",
      "id": "string",
      "lastAnalyzedTimestamp": number,
      "listAntipatternSeveritySummary": [
        {
          "count": number,
          "severity": "string"
        }
      ],
      "name": "string",
      "recommendationSet": {
        "strategy": "string",
        "targetDestination": "string",
        "transformationTool": {
          "description": "string",
          "name": "string",

```

```
    "transformationToolInstallationLink": "string"
  },
  "serverError": {
    "serverErrorCategory": "string"
  },
  "serverType": "string",
  "statusMessage": "string",
  "systemInfo": {
    "cpuArchitecture": "string",
    "fileSystemType": "string",
    "networkInfoList": [
      {
        "interfaceName": "string",
        "ipAddress": "string",
        "macAddress": "string",
        "netMask": "string"
      }
    ],
    "osInfo": {
      "type": "string",
      "version": "string"
    }
  }
}
]
```

Response Elements

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

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

nextToken

The token you use to retrieve the next set of results, or null if there are no more results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: .*S.*

[serverInfos](#)

The list of servers with detailed information about each server.

Type: Array of [ServerDetail](#) objects

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)

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

PutPortfolioPreferences

Saves the specified migration and modernization preferences.

Request Syntax

```
POST /put-portfolio-preferences HTTP/1.1
```

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

```
{
  "applicationMode": "string",
  "applicationPreferences": {
    "managementPreference": { ... }
  },
  "databasePreferences": {
    "databaseManagementPreference": "string",
    "databaseMigrationPreference": { ... }
  },
  "prioritizeBusinessGoals": {
    "businessGoals": {
      "licenseCostReduction": number,
      "modernizeInfrastructureWithCloudNativeTechnologies": number,
      "reduceOperationalOverheadWithManagedServices": number,
      "speedOfMigration": number
    }
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

applicationMode

The classification for application component types.

Type: String

Valid Values: ALL | KNOWN | UNKNOWN

Required: No

[applicationPreferences](#)

The transformation preferences for non-database applications.

Type: [ApplicationPreferences](#) object

Required: No

[databasePreferences](#)

The transformation preferences for database applications.

Type: [DatabasePreferences](#) object

Required: No

[prioritizeBusinessGoals](#)

The rank of the business goals based on priority.

Type: [PrioritizeBusinessGoals](#) object

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

ConflictException

Exception to indicate that there is an ongoing task when a new task is created. Return when once the existing tasks are complete.

HTTP Status Code: 409

InternalServerErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

StartAssessment

Starts the assessment of an on-premises environment.

Request Syntax

```
POST /start-assessment HTTP/1.1
Content-type: application/json

{
  "assessmentDataSourceType": "string",
  "assessmentTargets": [
    {
      "condition": "string",
      "name": "string",
      "values": [ "string" ]
    }
  ],
  "s3bucketForAnalysisData": "string",
  "s3bucketForReportData": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

assessmentDataSourceType

The data source type of an assessment request to start.

Type: String

Valid Values: StrategyRecommendationsApplicationDataCollector | ManualImport
| ApplicationDiscoveryService

Required: No

assessmentTargets

List of criteria for assessment.

Type: Array of [AssessmentTarget](#) objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

s3bucketForAnalysisData

The S3 bucket used by the collectors to send analysis data to the service. The bucket name must begin with migrationhub-strategy-.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Pattern: `[0-9a-z]+[0-9a-z\.\-]*[0-9a-z]+`

Required: No

s3bucketForReportData

The S3 bucket where all the reports generated by the service are stored. The bucket name must begin with migrationhub-strategy-.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Pattern: `[0-9a-z]+[0-9a-z\.\-]*[0-9a-z]+`

Required: No

Response Syntax

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

{
  "assessmentId": "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.

assessmentId

The ID of the assessment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 52.

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

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ServiceQuotaExceededException

The AWS account has reached its quota of imports. Contact AWS Support to increase the quota for this account.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

See Also

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

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

StartImportFileTask

Starts a file import.

Request Syntax

```
POST /start-import-file-task HTTP/1.1
Content-type: application/json
```

```
{
  "dataSourceType": "string",
  "groupId": [
    {
      "name": "string",
      "value": "string"
    }
  ],
  "name": "string",
  "S3Bucket": "string",
  "s3bucketForReportData": "string",
  "s3key": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

dataSourceType

Specifies the source that the servers are coming from. By default, Strategy Recommendations assumes that the servers specified in the import file are available in AWS Application Discovery Service.

Type: String

Valid Values: ApplicationDiscoveryService | MPA | Import | StrategyRecommendationsApplicationDataCollector

Required: No

groupId

Groups the resources in the import file together with a unique name. This ID can be as filter in `ListApplicationComponents` and `ListServers`.

Type: Array of [Group](#) objects

Required: No

name

A descriptive name for the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

S3Bucket

The S3 bucket where the import file is located. The bucket name is required to begin with `migrationhub-strategy-`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Pattern: `[0-9a-z]+[0-9a-z\.\-]*[0-9a-z]+`

Required: Yes

s3bucketForReportData

The S3 bucket where Strategy Recommendations uploads import results. The bucket name is required to begin with `migrationhub-strategy-`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Pattern: `[0-9a-z]+[0-9a-z\.\-]*[0-9a-z]+`

Required: No

s3key

The Amazon S3 key name of the import file.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

Response Syntax

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

{
  "id": "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.

id

The ID for a specific import task. The ID is unique within an AWS account.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ServiceQuotaExceededException

The AWS account has reached its quota of imports. Contact AWS Support to increase the quota for this account.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

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

StartRecommendationReportGeneration

Starts generating a recommendation report.

Request Syntax

```
POST /start-recommendation-report-generation HTTP/1.1
Content-type: application/json

{
  "groupIdFilter": [
    {
      "name": "string",
      "value": "string"
    }
  ],
  "outputFormat": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

groupIdFilter

Groups the resources in the recommendation report with a unique name.

Type: Array of [Group](#) objects

Required: No

outputFormat

The output format for the recommendation report file. The default format is Microsoft Excel.

Type: String

Valid Values: Excel | Json

Required: No

Response Syntax

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

{
  "id": "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.

id

The ID of the recommendation report generation task.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 52.

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

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

ConflictException

Exception to indicate that there is an ongoing task when a new task is created. Return when once the existing tasks are complete.

HTTP Status Code: 409

InternalServerErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

StopAssessment

Stops the assessment of an on-premises environment.

Request Syntax

```
POST /stop-assessment HTTP/1.1
Content-type: application/json
```

```
{
  "assessmentId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

assessmentId

The assessmentId returned by [StartAssessment](#).

Type: String

Length Constraints: Minimum length of 0. Maximum length of 52.

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

The user does not have permission to perform the action. Check the AWS Identity and Access Management (IAM) policy associated with this user.

HTTP Status Code: 403

InternalServerError

The server experienced an internal error. Try again.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

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

UpdateApplicationComponentConfig

Updates the configuration of an application component.

Request Syntax

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

```
{
  "applicationComponentId": "string",
  "appType": "string",
  "configureOnly": boolean,
  "inclusionStatus": "string",
  "secretsManagerKey": "string",
  "sourceCodeList": [
    {
      "location": "string",
      "projectName": "string",
      "sourceVersion": "string",
      "versionControl": "string"
    }
  ],
  "strategyOption": {
    "isPreferred": boolean,
    "strategy": "string",
    "targetDestination": "string",
    "toolName": "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

applicationComponentId

The ID of the application component. The ID is unique within an AWS account.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 44.

Pattern: [0-9a-zA-Z-]+

Required: Yes

appType

The type of known component.

Type: String

Valid Values: DotNetFramework | Java | SQLServer | IIS | Oracle | Other | Tomcat | JBoss | Spring | Mongo DB | DB2 | Maria DB | MySQL | Sybase | PostgreSQLServer | Cassandra | IBM WebSphere | Oracle WebLogic | Visual Basic | Unknown | DotnetCore | Dotnet

Required: No

configureOnly

Update the configuration request of an application component. If it is set to true, the source code and/or database credentials are updated. If it is set to false, the source code and/or database credentials are updated and an analysis is initiated.

Type: Boolean

Required: No

inclusionStatus

Indicates whether the application component has been included for server recommendation or not.

Type: String

Valid Values: excludeFromAssessment | includeInAssessment

Required: No

secretsManagerKey

Database credentials.

Type: String

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

Pattern: .*

Required: No

sourceCodeList

The list of source code configurations to update for the application component.

Type: Array of [SourceCode](#) objects

Required: No

strategyOption

The preferred strategy options for the application component. Use values from the [GetApplicationComponentStrategies](#) response.

Type: [StrategyOption](#) object

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

InternalServerErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

ResourceNotFoundException

The specified ID in the request is not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

UpdateServerConfig

Updates the configuration of the specified server.

Request Syntax

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

```
{
  "serverId": "string",
  "strategyOption": {
    "isPreferred": boolean,
    "strategy": "string",
    "targetDestination": "string",
    "toolName": "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

serverId

The ID of the server.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 27.

Pattern: .*S.*

Required: Yes

strategyOption

The preferred strategy options for the application component. See the response from [GetServerStrategies](#).

Type: [StrategyOption](#) object

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

InternalServerErrorException

The server experienced an internal error. Try again.

HTTP Status Code: 500

ResourceNotFoundException

The specified ID in the request is not found.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The request body isn't valid.

HTTP Status Code: 400

See Also

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

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

Data Types

The Migration Hub Strategy Recommendations 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:

- [AnalysisStatusUnion](#)
- [AnalyzableServerSummary](#)
- [AnalyzerNameUnion](#)
- [AntipatternReportResult](#)
- [AntipatternSeveritySummary](#)
- [ApplicationComponentDetail](#)
- [ApplicationComponentStatusSummary](#)
- [ApplicationComponentStrategy](#)
- [ApplicationComponentSummary](#)
- [ApplicationPreferences](#)
- [AppUnitError](#)
- [AssessmentSummary](#)
- [AssessmentTarget](#)
- [AssociatedApplication](#)
- [AwsManagedResources](#)
- [BusinessGoals](#)
- [Collector](#)
- [ConfigurationSummary](#)
- [DatabaseConfigDetail](#)
- [DatabaseMigrationPreference](#)

- [DatabasePreferences](#)
- [DataCollectionDetails](#)
- [Group](#)
- [Heterogeneous](#)
- [Homogeneous](#)
- [ImportFileTaskInformation](#)
- [IPAddressBasedRemoteInfo](#)
- [ManagementPreference](#)
- [NetworkInfo](#)
- [NoDatabaseMigrationPreference](#)
- [NoManagementPreference](#)
- [OSInfo](#)
- [PipelineInfo](#)
- [PrioritizeBusinessGoals](#)
- [RecommendationReportDetails](#)
- [RecommendationSet](#)
- [RemoteSourceCodeAnalysisServerInfo](#)
- [Result](#)
- [S3Object](#)
- [SelfManageResources](#)
- [ServerDetail](#)
- [ServerError](#)
- [ServerStatusSummary](#)
- [ServerStrategy](#)
- [ServerSummary](#)
- [SourceCode](#)
- [SourceCodeRepository](#)
- [StrategyOption](#)
- [StrategySummary](#)
- [SystemInfo](#)

- [TransformationTool](#)
- [VcenterBasedRemoteInfo](#)
- [VersionControllInfo](#)

AnalysisStatusUnion

A combination of existing analysis statuses.

Contents

Important

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

runtimeAnalysisStatus

The status of the analysis.

Type: String

Valid Values: ANALYSIS_TO_BE_SCHEDULED | ANALYSIS_STARTED | ANALYSIS_SUCCESS
| ANALYSIS_FAILED

Required: No

srcCodeOrDbAnalysisStatus

The status of the source code or database analysis.

Type: String

Valid Values: ANALYSIS_TO_BE_SCHEDULED | ANALYSIS_STARTED | ANALYSIS_SUCCESS
| ANALYSIS_FAILED | ANALYSIS_PARTIAL_SUCCESS | UNCONFIGURED | CONFIGURED

Required: No

See Also

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

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

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

AnalyzableServerSummary

A summary of information about an analyzable server.

Contents

hostname

The host name of the analyzable server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

ipAddress

The IP address of the analyzable server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

source

The data source of the analyzable server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

vmId

The virtual machine ID of the analyzable server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*S.*

Required: No

See Also

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

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

AnalyzerNameUnion

The combination of the existing analyzers.

Contents

Important

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

binaryAnalyzerName

The binary analyzer names.

Type: String

Valid Values: DLL_ANALYZER | BYTECODE_ANALYZER

Required: No

runTimeAnalyzerName

The assessment analyzer names.

Type: String

Valid Values: A2C_ANALYZER | REHOST_ANALYZER | EMP_PA_ANALYZER | DATABASE_ANALYZER | SCT_ANALYZER

Required: No

sourceCodeAnalyzerName

The source code analyzer names.

Type: String

Valid Values: CSHARP_ANALYZER | JAVA_ANALYZER | BYTECODE_ANALYZER | PORTING_ASSISTANT

Required: No

See Also

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

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

AntipatternReportResult

The anti-pattern report result.

Contents

analyzerName

The analyzer name.

Type: [AnalyzerNameUnion](#) object

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

Required: No

antiPatternReportS3Object

Contains the S3 bucket name and the Amazon S3 key name.

Type: [S3Object](#) object

Required: No

antipatternReportStatus

The status of the anti-pattern report generation.

Type: String

Valid Values: FAILED | IN_PROGRESS | SUCCESS

Required: No

antipatternReportStatusMessage

The status message for the anti-pattern.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

See Also

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

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

AntipatternSeveritySummary

Contains the summary of anti-patterns and their severity.

Contents

count

Contains the count of anti-patterns.

Type: Integer

Required: No

severity

Contains the severity of anti-patterns.

Type: String

Valid Values: HIGH | MEDIUM | LOW

Required: No

See Also

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

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

ApplicationComponentDetail

Contains detailed information about an application component.

Contents

analysisStatus

The status of analysis, if the application component has source code or an associated database.

Type: String

Valid Values: ANALYSIS_TO_BE_SCHEDULED | ANALYSIS_STARTED | ANALYSIS_SUCCESS
| ANALYSIS_FAILED | ANALYSIS_PARTIAL_SUCCESS | UNCONFIGURED | CONFIGURED

Required: No

antipatternReportS3Object

The S3 bucket name and the Amazon S3 key name for the anti-pattern report.

Type: [S3Object](#) object

Required: No

antipatternReportStatus

The status of the anti-pattern report generation.

Type: String

Valid Values: FAILED | IN_PROGRESS | SUCCESS

Required: No

antipatternReportStatusMessage

The status message for the anti-pattern.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*S.*

Required: No

appType

The type of application component.

Type: String

Valid Values: DotNetFramework | Java | SQLServer | IIS | Oracle | Other | Tomcat | JBoss | Spring | Mongo DB | DB2 | Maria DB | MySQL | Sybase | PostgreSQLServer | Cassandra | IBM WebSphere | Oracle WebLogic | Visual Basic | Unknown | DotnetCore | Dotnet

Required: No

appUnitError

The error in the analysis of the source code or database.

Type: [AppUnitError](#) object

Required: No

associatedServerId

The ID of the server that the application component is running on.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 27.

Pattern: .*\\S.*

Required: No

databaseConfigDetail

Configuration details for the database associated with the application component.

Type: [DatabaseConfigDetail](#) object

Required: No

id

The ID of the application component.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 44.

Pattern: `^[0-9a-b]+`

Required: No

inclusionStatus

Indicates whether the application component has been included for server recommendation or not.

Type: String

Valid Values: `excludeFromAssessment` | `includeInAssessment`

Required: No

lastAnalyzedTimestamp

The timestamp of when the application component was assessed.

Type: Timestamp

Required: No

listAntipatternSeveritySummary

A list of anti-pattern severity summaries.

Type: Array of [AntipatternSeveritySummary](#) objects

Required: No

moreServerAssociationExists

Set to true if the application component is running on multiple servers.

Type: Boolean

Required: No

name

The name of application component.

Type: String

Required: No

osDriver

OS driver.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

osVersion

OS version.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

recommendationSet

The top recommendation set for the application component.

Type: [RecommendationSet](#) object

Required: No

resourceSubType

The application component subtype.

Type: String

Valid Values: Database | Process | DatabaseProcess

Required: No

resultList

A list of the analysis results.

Type: Array of [Result](#) objects

Required: No

runtimeStatus

The status of the application unit.

Type: String

Valid Values: ANALYSIS_TO_BE_SCHEDULED | ANALYSIS_STARTED | ANALYSIS_SUCCESS
| ANALYSIS_FAILED

Required: No

runtimeStatusMessage

The status message for the application unit.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

sourceCodeRepositories

Details about the source code repository associated with the application component.

Type: Array of [SourceCodeRepository](#) objects

Required: No

statusMessage

A detailed description of the analysis status and any failure message.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

See Also

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

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

ApplicationComponentStatusSummary

Summary of the analysis status of the application component.

Contents

count

The number of application components successfully analyzed, partially successful or failed analysis.

Type: Integer

Required: No

srcCodeOrDbAnalysisStatus

The status of database analysis.

Type: String

Valid Values: ANALYSIS_TO_BE_SCHEDULED | ANALYSIS_STARTED | ANALYSIS_SUCCESS | ANALYSIS_FAILED | ANALYSIS_PARTIAL_SUCCESS | UNCONFIGURED | CONFIGURED

Required: No

See Also

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

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

ApplicationComponentStrategy

Contains information about a strategy recommendation for an application component.

Contents

isPreferred

Set to true if the recommendation is set as preferred.

Type: Boolean

Required: No

recommendation

Strategy recommendation for the application component.

Type: [RecommendationSet](#) object

Required: No

status

The recommendation status of a strategy for an application component.

Type: String

Valid Values: recommended | viableOption | notRecommended | potential

Required: No

See Also

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

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

ApplicationComponentSummary

Contains the summary of application components.

Contents

appType

Contains the name of application types.

Type: String

Valid Values: DotNetFramework | Java | SQLServer | IIS | Oracle | Other | Tomcat | JBoss | Spring | Mongo DB | DB2 | Maria DB | MySQL | Sybase | PostgreSQLServer | Cassandra | IBM WebSphere | Oracle WebLogic | Visual Basic | Unknown | DotnetCore | Dotnet

Required: No

count

Contains the count of application type.

Type: Integer

Required: No

See Also

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

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

ApplicationPreferences

Application preferences that you specify.

Contents

managementPreference

Application preferences that you specify to prefer managed environment.

Type: [ManagementPreference](#) object

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

Required: No

See Also

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

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

AppUnitError

Error in the analysis of the application unit.

Contents

appUnitErrorCategory

The category of the error.

Type: String

Valid Values: CREDENTIAL_ERROR | CONNECTIVITY_ERROR | PERMISSION_ERROR | UNSUPPORTED_ERROR | OTHER_ERROR

Required: No

See Also

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

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

AssessmentSummary

Contains the summary of the assessment results.

Contents

antipatternReportS3Object

The Amazon S3 object containing the anti-pattern report.

Type: [S3Object](#) object

Required: No

antipatternReportStatus

The status of the anti-pattern report.

Type: String

Valid Values: FAILED | IN_PROGRESS | SUCCESS

Required: No

antipatternReportStatusMessage

The status message of the anti-pattern report.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

lastAnalyzedTimestamp

The time the assessment was performed.

Type: Timestamp

Required: No

listAntipatternSeveritySummary

List of AntipatternSeveritySummary.

Type: Array of [AntipatternSeveritySummary](#) objects

Required: No

listApplicationComponentStatusSummary

List of status summaries of the analyzed application components.

Type: Array of [ApplicationComponentStatusSummary](#) objects

Required: No

listApplicationComponentStrategySummary

List of ApplicationComponentStrategySummary.

Type: Array of [StrategySummary](#) objects

Required: No

listApplicationComponentSummary

List of ApplicationComponentSummary.

Type: Array of [ApplicationComponentSummary](#) objects

Required: No

listServerStatusSummary

List of status summaries of the analyzed servers.

Type: Array of [ServerStatusSummary](#) objects

Required: No

listServerStrategySummary

List of ServerStrategySummary.

Type: Array of [StrategySummary](#) objects

Required: No

listServerSummary

List of ServerSummary.

Type: Array of [ServerSummary](#) objects

Required: No

See Also

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

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

AssessmentTarget

Defines the criteria of assessment.

Contents

condition

Condition of an assessment.

Type: String

Valid Values: EQUALS | NOT_EQUALS | CONTAINS | NOT_CONTAINS

Required: Yes

name

Name of an assessment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

values

Values of an assessment.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: Yes

See Also

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

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

AssociatedApplication

Object containing details about applications as defined in Application Discovery Service.

Contents

id

ID of the application as defined in Application Discovery Service.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

name

Name of the application as defined in Application Discovery Service.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

See Also

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

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

AwsManagedResources

Object containing the choice of application destination that you specify.

Contents

targetDestination

The choice of application destination that you specify.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: None specified | AWS Elastic BeanStalk | AWS Fargate

Required: Yes

See Also

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

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

BusinessGoals

Business goals that you specify.

Contents

licenseCostReduction

Business goal to reduce license costs.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5.

Required: No

modernizeInfrastructureWithCloudNativeTechnologies

Business goal to modernize infrastructure by moving to cloud native technologies.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5.

Required: No

reduceOperationalOverheadWithManagedServices

Business goal to reduce the operational overhead on the team by moving into managed services.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5.

Required: No

speedOfMigration

Business goal to achieve migration at a fast pace.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5.

Required: No

See Also

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

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

Collector

Process data collector that runs in the environment that you specify.

Contents

collectorHealth

Indicates the health of a collector.

Type: String

Valid Values: COLLECTOR_HEALTHY | COLLECTOR_UNHEALTHY

Required: No

collectorId

The ID of the collector.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

collectorVersion

Current version of the collector that is running in the environment that you specify.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

configurationSummary

Summary of the collector configuration.

Type: [ConfigurationSummary](#) object

Required: No

hostName

Hostname of the server that is hosting the collector.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

ipAddress

IP address of the server that is hosting the collector.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

lastActivityTimeStamp

Time when the collector last pinged the service.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

registeredTimeStamp

Time when the collector registered with the service.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

See Also

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

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

ConfigurationSummary

Summary of the collector configuration.

Contents

ipAddressBasedRemoteInfoList

IP address based configurations.

Type: Array of [IPAddressBasedRemoteInfo](#) objects

Required: No

pipelineInfoList

The list of pipeline info configurations.

Type: Array of [PipelineInfo](#) objects

Required: No

remoteSourceCodeAnalysisServerInfo

Info about the remote server source code configuration.

Type: [RemoteSourceCodeAnalysisServerInfo](#) object

Required: No

vcenterBasedRemoteInfoList

The list of vCenter configurations.

Type: Array of [VcenterBasedRemoteInfo](#) objects

Required: No

versionControlInfoList

The list of the version control configurations.

Type: Array of [VersionControlInfo](#) objects

Required: No

See Also

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

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

DatabaseConfigDetail

Configuration information used for assessing databases.

Contents

secretName

AWS Secrets Manager key that holds the credentials that you use to connect to a database.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

See Also

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

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

DatabaseMigrationPreference

Preferences for migrating a database to AWS.

Contents

Important

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

heterogeneous

Indicates whether you are interested in moving from one type of database to another. For example, from SQL Server to Amazon Aurora MySQL-Compatible Edition.

Type: [Heterogeneous](#) object

Required: No

homogeneous

Indicates whether you are interested in moving to the same type of database into AWS. For example, from SQL Server in your environment to SQL Server on AWS.

Type: [Homogeneous](#) object

Required: No

noPreference

Indicated that you do not prefer heterogeneous or homogeneous.

Type: [NoDatabaseMigrationPreference](#) object

Required: No

See Also

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

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

DatabasePreferences

Preferences on managing your databases on AWS.

Contents

databaseManagementPreference

Specifies whether you're interested in self-managed databases or databases managed by AWS.

Type: String

Valid Values: AWS-managed | Self-manage | No preference

Required: No

databaseMigrationPreference

Specifies your preferred migration path.

Type: [DatabaseMigrationPreference](#) object

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

Required: No

See Also

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

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

DataCollectionDetails

Detailed information about an assessment.

Contents

completionTime

The time the assessment completes.

Type: Timestamp

Required: No

failed

The number of failed servers in the assessment.

Type: Integer

Required: No

inProgress

The number of servers with the assessment status IN_PROGRESS.

Type: Integer

Required: No

servers

The total number of servers in the assessment.

Type: Integer

Required: No

startTime

The start time of assessment.

Type: Timestamp

Required: No

status

The status of the assessment.

Type: String

Valid Values: IN_PROGRESS | COMPLETE | FAILED | STOPPED

Required: No

statusMessage

The status message of the assessment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: .*S.*

Required: No

success

The number of successful servers in the assessment.

Type: Integer

Required: No

See Also

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

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

Group

The object containing information about distinct imports or groups for Strategy Recommendations.

Contents

name

The key of the specific import group.

Type: String

Valid Values: ExternalId | ExternalSourceType

Required: No

value

The value of the specific import group.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*S.*

Required: No

See Also

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

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

Heterogeneous

The object containing details about heterogeneous database preferences.

Contents

targetDatabaseEngine

The target database engine for heterogeneous database migration preference.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: None specified | Amazon Aurora | AWS PostgreSQL | MySQL | Microsoft SQL Server | Oracle Database | MariaDB | SAP | Db2 LUW | MongoDB

Required: Yes

See Also

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

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

Homogeneous

The object containing details about homogeneous database preferences.

Contents

targetDatabaseEngine

The target database engine for homogeneous database migration preferences.

Type: Array of strings

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

Valid Values: None specified

Required: No

See Also

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

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

ImportFileTaskInformation

Information about the import file tasks you request.

Contents

completionTime

The time that the import task completes.

Type: Timestamp

Required: No

id

The ID of the import file task.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

importName

The name of the import task given in `StartImportFileTask`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

inputS3Bucket

The S3 bucket where the import file is located.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Pattern: `[0-9a-z]+[0-9a-z\.\-]*[0-9a-z]+`

Required: No

inputS3Key

The Amazon S3 key name of the import file.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

numberOfRecordsFailed

The number of records that failed to be imported.

Type: Integer

Required: No

numberOfRecordsSuccess

The number of records successfully imported.

Type: Integer

Required: No

startTime

Start time of the import task.

Type: Timestamp

Required: No

status

Status of import file task.

Type: String

Valid Values: ImportInProgress | ImportFailed | ImportPartialSuccess | ImportSuccess | DeleteInProgress | DeleteFailed | DeletePartialSuccess | DeleteSuccess

Required: No

statusReportS3Bucket

The S3 bucket name for status report of import task.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Pattern: `[0-9a-z]+[0-9a-z\.\-]*[0-9a-z]+`

Required: No

statusReportS3Key

The Amazon S3 key name for status report of import task. The report contains details about whether each record imported successfully or why it did not.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

See Also

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

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

IPAddressBasedRemoteInfo

IP address based configurations.

Contents

authType

The type of authorization.

Type: String

Valid Values: NTLM | SSH | CERT

Required: No

ipAddressConfigurationTimeStamp

The time stamp of the configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

osType

The type of the operating system.

Type: String

Valid Values: LINUX | WINDOWS

Required: No

See Also

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

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

ManagementPreference

Preferences for migrating an application to AWS.

Contents

Important

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

awsManagedResources

Indicates interest in solutions that are managed by AWS.

Type: [AwsManagedResources](#) object

Required: No

noPreference

No specific preference.

Type: [NoManagementPreference](#) object

Required: No

selfManageResources

Indicates interest in managing your own resources on AWS.

Type: [SelfManageResources](#) object

Required: No

See Also

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

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

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

NetworkInfo

Information about the server's network for which the assessment was run.

Contents

interfaceName

Information about the name of the interface of the server for which the assessment was run.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*

Required: Yes

ipAddress

Information about the IP address of the server for which the assessment was run.

Type: String

Length Constraints: Minimum length of 0. 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: Yes

macAddress

Information about the MAC address of the server for which the assessment was run.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 17.

Pattern: ^([0-9A-Fa-f]{2}[:-]){5}([0-9A-Fa-f]{2})|([0-9a-fA-F]{4}\.){3}([0-9a-fA-F]{4}\.){3}([0-9a-fA-F]{4})\$"

Required: Yes

netMask

Information about the subnet mask of the server for which the assessment was run.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*

Required: Yes

See Also

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

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

NoDatabaseMigrationPreference

The object containing details about database migration preferences, when you have no particular preference.

Contents

targetDatabaseEngine

The target database engine for database migration preference that you specify.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: None specified | Amazon Aurora | AWS PostgreSQL | MySQL | Microsoft SQL Server | Oracle Database | MariaDB | SAP | Db2 LUW | MongoDB

Required: Yes

See Also

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

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

NoManagementPreference

Object containing the choice of application destination that you specify.

Contents

targetDestination

The choice of application destination that you specify.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: None specified | AWS Elastic BeanStalk | AWS Fargate | Amazon Elastic Cloud Compute (EC2) | Amazon Elastic Container Service (ECS) | Amazon Elastic Kubernetes Service (EKS)

Required: Yes

See Also

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

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

OSInfo

Information about the operating system.

Contents

type

Information about the type of operating system.

Type: String

Valid Values: LINUX | WINDOWS

Required: No

version

Information about the version of operating system.

Type: String

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

Pattern: .*\\S.*

Required: No

See Also

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

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

PipelineInfo

Detailed information of the pipeline.

Contents

pipelineConfigurationTimeStamp

The time when the pipeline info was configured.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

pipelineType

The type of pipeline.

Type: String

Valid Values: AZURE_DEVOPS

Required: No

See Also

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

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

PrioritizeBusinessGoals

Rank of business goals based on priority.

Contents

businessGoals

Rank of business goals based on priority.

Type: [BusinessGoals](#) object

Required: No

See Also

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

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

RecommendationReportDetails

Contains detailed information about a recommendation report.

Contents

completionTime

The time that the recommendation report generation task completes.

Type: Timestamp

Required: No

s3Bucket

The S3 bucket where the report file is located.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\.S.*

Required: No

s3Keys

The Amazon S3 key name of the report file.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\.S.*

Required: No

startTime

The time that the recommendation report generation task starts.

Type: Timestamp

Required: No

status

The status of the recommendation report generation task.

Type: String

Valid Values: FAILED | IN_PROGRESS | SUCCESS

Required: No

statusMessage

The status message for recommendation report generation.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: .*S.*

Required: No

See Also

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

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

RecommendationSet

Contains a recommendation set.

Contents

strategy

The recommended strategy.

Type: String

Valid Values: Rehost | Retirement | Refactor | Replatform | Retain | Relocate | Repurchase

Required: No

targetDestination

The recommended target destination.

Type: String

Valid Values: None specified | AWS Elastic BeanStalk | AWS Fargate | Amazon Elastic Cloud Compute (EC2) | Amazon Elastic Container Service (ECS) | Amazon Elastic Kubernetes Service (EKS) | Aurora MySQL | Aurora PostgreSQL | Amazon Relational Database Service on MySQL | Amazon Relational Database Service on PostgreSQL | Amazon DocumentDB | Amazon DynamoDB | Amazon Relational Database Service | Babelfish for Aurora PostgreSQL

Required: No

transformationTool

The target destination for the recommendation set.

Type: [TransformationTool](#) object

Required: No

See Also

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

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

RemoteSourceCodeAnalysisServerInfo

Information about the server configured for source code analysis.

Contents

remoteSourceCodeAnalysisServerConfigurationTimestamp

The time when the remote source code server was configured.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

See Also

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

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

Result

The error in server analysis.

Contents

analysisStatus

The error in server analysis.

Type: [AnalysisStatusUnion](#) object

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

Required: No

analysisType

The error in server analysis.

Type: String

Valid Values: SOURCE_CODE_ANALYSIS | DATABASE_ANALYSIS | RUNTIME_ANALYSIS |
BINARY_ANALYSIS

Required: No

antipatternReportResultList

The error in server analysis.

Type: Array of [AntipatternReportResult](#) objects

Required: No

statusMessage

The error in server analysis.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*S.*

Required: No

See Also

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

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

S3Object

Contains the S3 bucket name and the Amazon S3 key name.

Contents

s3Bucket

The S3 bucket name.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 63.

Pattern: `[0-9a-z]+[0-9a-z\.\-]*[0-9a-z]+`

Required: No

s3key

The Amazon S3 key name.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

See Also

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

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

SelfManageResources

Self-managed resources.

Contents

targetDestination

Self-managed resources target destination.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: None specified | Amazon Elastic Cloud Compute (EC2) | Amazon Elastic Container Service (ECS) | Amazon Elastic Kubernetes Service (EKS)

Required: Yes

See Also

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

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

ServerDetail

Detailed information about a server.

Contents

antipatternReportS3Object

The S3 bucket name and Amazon S3 key name for anti-pattern report.

Type: [S3Object](#) object

Required: No

antipatternReportStatus

The status of the anti-pattern report generation.

Type: String

Valid Values: FAILED | IN_PROGRESS | SUCCESS

Required: No

antipatternReportStatusMessage

A message about the status of the anti-pattern report generation.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

applicationComponentStrategySummary

A list of strategy summaries.

Type: Array of [StrategySummary](#) objects

Required: No

dataCollectionStatus

The status of assessment for the server.

Type: String

Valid Values: `dataCollectionTaskToBeScheduled` | `dataCollectionTaskScheduled` | `dataCollectionTaskStarted` | `dataCollectionTaskStopped` | `dataCollectionTaskSuccess` | `dataCollectionTaskFailed` | `dataCollectionTaskPartialSuccess`

Required: No

id

The server ID.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 44.

Pattern: `^[0-9a-b]+`

Required: No

lastAnalyzedTimestamp

The timestamp of when the server was assessed.

Type: Timestamp

Required: No

listAntipatternSeveritySummary

A list of anti-pattern severity summaries.

Type: Array of [AntipatternSeveritySummary](#) objects

Required: No

name

The name of the server.

Type: String

Required: No

recommendationSet

A set of recommendations.

Type: [RecommendationSet](#) object

Required: No

serverError

The error in server analysis.

Type: [ServerError](#) object

Required: No

serverType

The type of server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*S.*

Required: No

statusMessage

A message about the status of data collection, which contains detailed descriptions of any error messages.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*S.*

Required: No

systemInfo

System information about the server.

Type: [SystemInfo](#) object

Required: No

See Also

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

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

ServerError

The error in server analysis.

Contents

serverErrorCategory

The error category of server analysis.

Type: String

Valid Values: CONNECTIVITY_ERROR | CREDENTIAL_ERROR | PERMISSION_ERROR | ARCHITECTURE_ERROR | OTHER_ERROR

Required: No

See Also

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

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

ServerStatusSummary

The status summary of the server analysis.

Contents

count

The number of servers successfully analyzed, partially successful or failed analysis.

Type: Integer

Required: No

runTimeAssessmentStatus

The status of the run time.

Type: String

Valid Values: `dataCollectionTaskToBeScheduled` | `dataCollectionTaskScheduled` | `dataCollectionTaskStarted` | `dataCollectionTaskStopped` | `dataCollectionTaskSuccess` | `dataCollectionTaskFailed` | `dataCollectionTaskPartialSuccess`

Required: No

See Also

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

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

ServerStrategy

Contains information about a strategy recommendation for a server.

Contents

isPreferred

Set to true if the recommendation is set as preferred.

Type: Boolean

Required: No

numberOfApplicationComponents

The number of application components with this strategy recommendation running on the server.

Type: Integer

Required: No

recommendation

Strategy recommendation for the server.

Type: [RecommendationSet](#) object

Required: No

status

The recommendation status of the strategy for the server.

Type: String

Valid Values: recommended | viableOption | notRecommended | potential

Required: No

See Also

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

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

ServerSummary

Object containing details about the servers imported by Application Discovery Service

Contents

count

Number of servers.

Type: Integer

Required: No

ServerOsType

Type of operating system for the servers.

Type: String

Valid Values: WindowsServer | AmazonLinux | EndOfSupportWindowsServer | Redhat | Other

Required: No

See Also

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

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

SourceCode

Object containing source code information that is linked to an application component.

Contents

location

The repository name for the source code.

Type: String

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

Pattern: `.*\S.*`

Required: No

projectName

The name of the project.

Type: String

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

Pattern: `.*\S.*`

Required: No

sourceVersion

The branch of the source code.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 40.

Pattern: `.*\S.*`

Required: No

versionControl

The type of repository to use for the source code.

Type: String

Valid Values: GITHUB | GITHUB_ENTERPRISE | AZURE_DEVOPS_GIT

Required: No

See Also

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

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

SourceCodeRepository

Object containing source code information that is linked to an application component.

Contents

branch

The branch of the source code.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

projectName

The name of the project.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

repository

The repository name for the source code.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: `.*\S.*`

Required: No

versionControlType

The type of repository to use for the source code.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*S.*

Required: No

See Also

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

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

StrategyOption

Information about all the available strategy options for migrating and modernizing an application component.

Contents

isPreferred

Indicates if a specific strategy is preferred for the application component.

Type: Boolean

Required: No

strategy

Type of transformation. For example, Rehost, Replatform, and so on.

Type: String

Valid Values: Rehost | Retirement | Refactor | Replatform | Retain | Relocate | Repurchase

Required: No

targetDestination

Destination information about where the application component can migrate to. For example, EC2, ECS, and so on.

Type: String

Valid Values: None specified | AWS Elastic BeanStalk | AWS Fargate | Amazon Elastic Cloud Compute (EC2) | Amazon Elastic Container Service (ECS) | Amazon Elastic Kubernetes Service (EKS) | Aurora MySQL | Aurora PostgreSQL | Amazon Relational Database Service on MySQL | Amazon Relational Database Service on PostgreSQL | Amazon DocumentDB | Amazon DynamoDB | Amazon Relational Database Service | Babelfish for Aurora PostgreSQL

Required: No

toolName

The name of the tool that can be used to transform an application component using this strategy.

Type: String

Valid Values: App2Container | Porting Assistant For .NET | End of Support Migration | Windows Web Application Migration Assistant | Application Migration Service | Strategy Recommendation Support | In Place Operating System Upgrade | Schema Conversion Tool | Database Migration Service | Native SQL Server Backup/Restore

Required: No

See Also

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

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

StrategySummary

Object containing the summary of the strategy recommendations.

Contents

count

The count of recommendations per strategy.

Type: Integer

Required: No

strategy

The name of recommended strategy.

Type: String

Valid Values: Rehost | Retirement | Refactor | Replatform | Retain | Relocate | Repurchase

Required: No

See Also

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

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

SystemInfo

Information about the server that hosts application components.

Contents

cpuArchitecture

CPU architecture type for the server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

fileSystemType

File system type for the server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

networkInfoList

Networking information related to a server.

Type: Array of [NetworkInfo](#) objects

Required: No

osInfo

Operating system corresponding to a server.

Type: [OSInfo](#) object

Required: No

See Also

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

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

TransformationTool

Information of the transformation tool that can be used to migrate and modernize the application.

Contents

description

Description of the tool.

Type: String

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

Pattern: .*\\S.*

Required: No

name

Name of the tool.

Type: String

Valid Values: App2Container | Porting Assistant For .NET | End of Support Migration | Windows Web Application Migration Assistant | Application Migration Service | Strategy Recommendation Support | In Place Operating System Upgrade | Schema Conversion Tool | Database Migration Service | Native SQL Server Backup/Restore

Required: No

transformationToolInstallationLink

URL for installing the tool.

Type: String

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

Pattern: .*\\S.*

Required: No

See Also

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

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

VcenterBasedRemoteInfo

Details about the server in vCenter.

Contents

osType

The type of the operating system.

Type: String

Valid Values: LINUX | WINDOWS

Required: No

vcenterConfigurationTimeStamp

The time when the remote server based on vCenter was last configured.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

See Also

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

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

VersionControlInfo

Details about the version control configuration.

Contents

versionControlConfigurationTimeStamp

The time when the version control system was last configured.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: .*\\S.*

Required: No

versionControlType

The type of version control.

Type: String

Valid Values: GITHUB | GITHUB_ENTERPRISE | AZURE_DEVOPS_GIT

Required: No

See Also

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

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

Common Parameters

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

Action

The action to be performed.

Type: string

Required: Yes

Version

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

Type: string

Required: Yes

X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

X-Amz-Credential

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

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

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

Type: string

Required: Conditional

X-Amz-Date

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

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

Type: string

Required: Conditional

X-Amz-Security-Token

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

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

Type: string

Required: Conditional

X-Amz-Signature

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

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

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

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

Type: string

Required: Conditional

Common Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

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

HTTP Status Code: 500

MalformedHttpRequestException

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

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

HTTP Status Code: 403

RequestAbortedException

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

RequestEntityTooLargeException

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

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

RequestTimeoutException

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

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

UnrecognizedClientException

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

HTTP Status Code: 403

UnknownOperationException

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

HTTP Status Code: 404

ValidationError

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

HTTP Status Code: 400