



API Reference

# Migration Hub Strategy Recommendations



**API Version 2020-02-19**

Copyright © 2026 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

# Migration Hub Strategy Recommendations: API Reference

Copyright © 2026 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

Amazon's trademarks and trade dress may not be used in connection with any product or service that is not Amazon's, in any manner that is likely to cause confusion among customers, or in any manner that disparages or discredits Amazon. All other trademarks not owned by Amazon are the property of their respective owners, who may or may not be affiliated with, connected to, or sponsored by Amazon.

---

# Table of Contents

<b>Welcome</b> .....	<b>1</b>
<b>Actions</b> .....	<b>2</b>
GetApplicationComponentDetails .....	3
Request Syntax .....	3
URI Request Parameters .....	3
Request Body .....	3
Response Syntax .....	3
Response Elements .....	5
Errors .....	6
See Also .....	7
GetApplicationComponentStrategies .....	8
Request Syntax .....	8
URI Request Parameters .....	8
Request Body .....	8
Response Syntax .....	8
Response Elements .....	9
Errors .....	9
See Also .....	10
GetAssessment .....	11
Request Syntax .....	11
URI Request Parameters .....	11
Request Body .....	11
Response Syntax .....	11
Response Elements .....	12
Errors .....	13
See Also .....	13
GetImportFileTask .....	15
Request Syntax .....	15
URI Request Parameters .....	15
Request Body .....	15
Response Syntax .....	15
Response Elements .....	16
Errors .....	18
See Also .....	19

---

GetLatestAssessmentId .....	20
Request Syntax .....	20
URI Request Parameters .....	20
Request Body .....	20
Response Syntax .....	20
Response Elements .....	20
Errors .....	21
See Also .....	21
GetPortfolioPreferences .....	23
Request Syntax .....	23
URI Request Parameters .....	23
Request Body .....	23
Response Syntax .....	23
Response Elements .....	24
Errors .....	24
See Also .....	25
GetPortfolioSummary .....	27
Request Syntax .....	27
URI Request Parameters .....	27
Request Body .....	27
Response Syntax .....	27
Response Elements .....	29
Errors .....	29
See Also .....	29
GetRecommendationReportDetails .....	31
Request Syntax .....	31
URI Request Parameters .....	31
Request Body .....	31
Response Syntax .....	31
Response Elements .....	32
Errors .....	32
See Also .....	33
GetServerDetails .....	35
Request Syntax .....	35
URI Request Parameters .....	35
Request Body .....	36

Response Syntax .....	36
Response Elements .....	37
Errors .....	38
See Also .....	39
GetServerStrategies .....	40
Request Syntax .....	40
URI Request Parameters .....	40
Request Body .....	40
Response Syntax .....	40
Response Elements .....	41
Errors .....	41
See Also .....	42
ListAnalyzableServers .....	43
Request Syntax .....	43
URI Request Parameters .....	43
Request Body .....	43
Response Syntax .....	44
Response Elements .....	44
Errors .....	45
See Also .....	46
ListApplicationComponents .....	47
Request Syntax .....	47
URI Request Parameters .....	47
Request Body .....	47
Response Syntax .....	49
Response Elements .....	51
Errors .....	51
See Also .....	52
ListCollectors .....	53
Request Syntax .....	53
URI Request Parameters .....	53
Request Body .....	53
Response Syntax .....	53
Response Elements .....	55
Errors .....	55
See Also .....	56

---

ListImportFileTask .....	57
Request Syntax .....	57
URI Request Parameters .....	57
Request Body .....	57
Response Syntax .....	57
Response Elements .....	58
Errors .....	59
See Also .....	59
ListServers .....	61
Request Syntax .....	61
URI Request Parameters .....	61
Request Body .....	61
Response Syntax .....	63
Response Elements .....	64
Errors .....	65
See Also .....	66
PutPortfolioPreferences .....	67
Request Syntax .....	67
URI Request Parameters .....	67
Request Body .....	67
Response Syntax .....	68
Response Elements .....	68
Errors .....	68
See Also .....	69
StartAssessment .....	71
Request Syntax .....	71
URI Request Parameters .....	71
Request Body .....	71
Response Syntax .....	72
Response Elements .....	73
Errors .....	73
See Also .....	74
StartImportFileTask .....	75
Request Syntax .....	75
URI Request Parameters .....	75
Request Body .....	75

Response Syntax .....	77
Response Elements .....	77
Errors .....	78
See Also .....	79
StartRecommendationReportGeneration .....	80
Request Syntax .....	80
URI Request Parameters .....	80
Request Body .....	80
Response Syntax .....	81
Response Elements .....	81
Errors .....	81
See Also .....	82
StopAssessment .....	84
Request Syntax .....	84
URI Request Parameters .....	84
Request Body .....	84
Response Syntax .....	85
Response Elements .....	85
Errors .....	85
See Also .....	85
UpdateApplicationComponentConfig .....	87
Request Syntax .....	87
URI Request Parameters .....	87
Request Body .....	88
Response Syntax .....	89
Response Elements .....	89
Errors .....	89
See Also .....	90
UpdateServerConfig .....	91
Request Syntax .....	91
URI Request Parameters .....	91
Request Body .....	91
Response Syntax .....	92
Response Elements .....	92
Errors .....	92
See Also .....	93

<b>Data Types</b> .....	<b>94</b>
AnalysisStatusUnion .....	97
Contents .....	97
See Also .....	97
AnalyzableServerSummary .....	99
Contents .....	99
See Also .....	100
AnalyzerNameUnion .....	101
Contents .....	101
See Also .....	102
AntipatternReportResult .....	103
Contents .....	103
See Also .....	104
AntipatternSeveritySummary .....	105
Contents .....	105
See Also .....	105
ApplicationComponentDetail .....	106
Contents .....	106
See Also .....	111
ApplicationComponentStatusSummary .....	112
Contents .....	112
See Also .....	112
ApplicationComponentStrategy .....	113
Contents .....	113
See Also .....	113
ApplicationComponentSummary .....	114
Contents .....	114
See Also .....	114
ApplicationPreferences .....	115
Contents .....	115
See Also .....	115
AppUnitError .....	116
Contents .....	116
See Also .....	116
AssessmentSummary .....	117
Contents .....	117

---

See Also .....	119
AssessmentTarget .....	120
Contents .....	120
See Also .....	120
AssociatedApplication .....	122
Contents .....	122
See Also .....	122
AwsManagedResources .....	123
Contents .....	123
See Also .....	123
BusinessGoals .....	124
Contents .....	124
See Also .....	125
Collector .....	126
Contents .....	126
See Also .....	128
ConfigurationSummary .....	129
Contents .....	129
See Also .....	130
DatabaseConfigDetail .....	131
Contents .....	131
See Also .....	131
DatabaseMigrationPreference .....	132
Contents .....	132
See Also .....	132
DatabasePreferences .....	134
Contents .....	134
See Also .....	134
DataCollectionDetails .....	135
Contents .....	135
See Also .....	136
Group .....	137
Contents .....	137
See Also .....	137
Heterogeneous .....	138
Contents .....	138

---

See Also .....	138
Homogeneous .....	139
Contents .....	139
See Also .....	139
ImportFileTaskInformation .....	140
Contents .....	140
See Also .....	142
IPAddressBasedRemoteInfo .....	143
Contents .....	143
See Also .....	143
ManagementPreference .....	145
Contents .....	145
See Also .....	145
NetworkInfo .....	147
Contents .....	147
See Also .....	148
NoDatabaseMigrationPreference .....	149
Contents .....	149
See Also .....	149
NoManagementPreference .....	150
Contents .....	150
See Also .....	150
OSInfo .....	151
Contents .....	151
See Also .....	151
PipelineInfo .....	152
Contents .....	152
See Also .....	152
PrioritizeBusinessGoals .....	153
Contents .....	153
See Also .....	153
RecommendationReportDetails .....	154
Contents .....	154
See Also .....	155
RecommendationSet .....	156
Contents .....	156

---

See Also .....	157
RemoteSourceCodeAnalysisServerInfo .....	158
Contents .....	158
See Also .....	158
Result .....	159
Contents .....	159
See Also .....	160
S3Object .....	161
Contents .....	161
See Also .....	161
SelfManageResources .....	162
Contents .....	162
See Also .....	162
ServerDetail .....	163
Contents .....	163
See Also .....	166
ServerError .....	167
Contents .....	167
See Also .....	167
ServerStatusSummary .....	168
Contents .....	168
See Also .....	168
ServerStrategy .....	169
Contents .....	169
See Also .....	169
ServerSummary .....	171
Contents .....	171
See Also .....	171
SourceCode .....	172
Contents .....	172
See Also .....	173
SourceCodeRepository .....	174
Contents .....	174
See Also .....	175
StrategyOption .....	176
Contents .....	176

---

See Also .....	177
StrategySummary .....	178
Contents .....	178
See Also .....	178
SystemInfo .....	179
Contents .....	179
See Also .....	180
TransformationTool .....	181
Contents .....	181
See Also .....	182
VcenterBasedRemoteInfo .....	183
Contents .....	183
See Also .....	183
VersionControlInfo .....	184
Contents .....	184
See Also .....	184
<b>Common Parameters .....</b>	<b>185</b>
<b>Common Error Types .....</b>	<b>188</b>

# 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 May 13, 2026.

# 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

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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",
    "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"
},
"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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# GetApplicationComponentStrategies

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### 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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# GetAssessment

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### 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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

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

# GetImportFileTask

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# GetLatestAssessmentId

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### 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 V2](#)
- [AWS SDK for .NET V4](#)

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

# GetPortfolioPreferences

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

## 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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)



# GetPortfolioSummary

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### **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

## See Also

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

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# GetRecommendationReportDetails

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### **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

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)



# GetServerDetails

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# GetServerStrategies

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListAnalyzableServers

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListApplicationComponents

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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",
        "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"
}
],
"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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListCollectors

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListImportFileTask

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### 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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

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

# ListServers

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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",
        "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.

## 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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# PutPortfolioPreferences

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

## 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

## 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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

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

# StartAssessment

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# StartImportFileTask

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# StartRecommendationReportGeneration

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

## 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

## 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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

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

# StopAssessment

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### 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 V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateApplicationComponentConfig

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

## 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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateServerConfig

## Note

AWS Migration Hub is no longer open to new customers as of November 7, 2025. For capabilities similar to AWS Migration Hub, explore [AWS Migration Hub](#).

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 Error Types](#).

### **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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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\_PROGESS.

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}\.){4}\.([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*.

## X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

## X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4\_request"). The value is expressed in the following format: *access\_key/YYYYMMDD/region/service/aws4\_request*.

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

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

Type: string

Required: Conditional

## X-Amz-Date

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

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

Type: string

Required: Conditional

### **X-Amz-Security-Token**

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

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

Type: string

Required: Conditional

### **X-Amz-Signature**

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

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

Type: string

Required: Conditional

### **X-Amz-SignedHeaders**

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

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

Type: string

## Required: Conditional

# Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

## **AccessDeniedException**

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

## **ExpiredTokenException**

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

## **IncompleteSignature**

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

## **InternalFailure**

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

## **MalformedHttpRequestException**

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

**NotAuthorized**

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

**OptInRequired**

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

**RequestAbortedException**

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

**RequestEntityTooLargeException**

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

**RequestTimeoutException**

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

**ServiceUnavailable**

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

**ThrottlingException**

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

## **UnknownOperationException**

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

## **UnrecognizedClientException**

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

## **ValidationError**

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400