



Welcome

# AWS Mainframe Modernization Application Testing



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# AWS Mainframe Modernization Application Testing: Welcome

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# Welcome

AWS Mainframe Modernization Application Testing provides tools and resources for automated functional equivalence testing for your migration projects.

This document was last published on August 1, 2025.

# Actions

The following actions are supported:

- [CreateTestCase](#)
- [CreateTestConfiguration](#)
- [CreateTestSuite](#)
- [DeleteTestCase](#)
- [DeleteTestConfiguration](#)
- [DeleteTestRun](#)
- [DeleteTestSuite](#)
- [GetTestCase](#)
- [GetTestConfiguration](#)
- [GetTestRunStep](#)
- [GetTestSuite](#)
- [ListTagsForResource](#)
- [ListTestCases](#)
- [ListTestConfigurations](#)
- [ListTestRuns](#)
- [ListTestRunSteps](#)
- [ListTestRunTestCases](#)
- [ListTestSuites](#)
- [StartTestRun](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateTestCase](#)
- [UpdateTestConfiguration](#)
- [UpdateTestSuite](#)



# CreateTestCase

Creates a test case.

## Request Syntax

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

{
  "clientToken": "string",
  "description": "string",
  "name": "string",
  "steps": [
    {
      "action": { ... },
      "description": "string",
      "name": "string"
    }
  ],
  "tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### clientToken

The client token of the test case.

Type: String

Pattern: [A-Za-z0-9\-\-]{1,64}

Required: No

## description

The description of the test case.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Required: No

## name

The name of the test case.

Type: String

Pattern: [A-Za-z][A-Za-z0-9\_\-\-]{1,59}

Required: Yes

## steps

The steps in the test case.

Type: Array of [Step](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: Yes

## tags

The specified tags of the test case.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Key Pattern: (?!aws:).+

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

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "testCaseId": "string",
  "testCaseVersion": number
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### [testCaseId](#)

The test case ID of the test case.

Type: String

Pattern: [A-Za-z0-9:/\-\-]{1,100}

### [testCaseVersion](#)

The test case version of the test case.

Type: Integer

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **ConflictException**

The parameters provided in the request conflict with existing resources.

HTTP Status Code: 409

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ServiceQuotaExceededException**

One or more quotas for AWS Mainframe Modernization Application Testing exceeds the limit.

HTTP Status Code: 402

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## **See Also**

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

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



# CreateTestConfiguration

Creates a test configuration.

## Request Syntax

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

```
{
  "clientToken": "string",
  "description": "string",
  "name": "string",
  "properties": {
    "string" : "string"
  },
  "resources": [
    {
      "name": "string",
      "type": { ... }
    }
  ],
  "serviceSettings": {
    "kmsKeyId": "string"
  },
  "tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### clientToken

The client token of the test configuration.

Type: String

Pattern: [A-Za-z0-9\-\-]{1,64}

Required: No

### description

The description of the test configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Required: No

### name

The name of the test configuration.

Type: String

Pattern: [A-Za-z][A-Za-z0-9\_\-\-]{1,59}

Required: Yes

### properties

The properties of the test configuration.

Type: String to string map

Required: No

### resources

The defined resources of the test configuration.

Type: Array of [Resource](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: Yes

### serviceSettings

The service settings of the test configuration.

Type: [ServiceSettings](#) object

Required: No

### [tags](#)

The tags of the test configuration.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Key Pattern: (?!aws:).+

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

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "testConfigurationId": "string",
  "testConfigurationVersion": number
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### [testConfigurationId](#)

The test configuration ID.

Type: String

Pattern: [A-Za-z0-9:/\-\]{1,100}



## **testConfigurationVersion**

The test configuration version.

Type: Integer

## **Errors**

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **ConflictException**

The parameters provided in the request conflict with existing resources.

HTTP Status Code: 409

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ServiceQuotaExceededException**

One or more quotas for AWS Mainframe Modernization Application Testing exceeds the limit.

HTTP Status Code: 402

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

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

# CreateTestSuite

Creates a test suite.

## Request Syntax

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

{
  "afterSteps": [
    {
      "action": { ... },
      "description": "string",
      "name": "string"
    }
  ],
  "beforeSteps": [
    {
      "action": { ... },
      "description": "string",
      "name": "string"
    }
  ],
  "clientToken": "string",
  "description": "string",
  "name": "string",
  "tags": {
    "string" : "string"
  },
  "testCases": { ... }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### afterSteps

The after steps of the test suite.

Type: Array of [Step](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: No

### beforeSteps

The before steps of the test suite.

Type: Array of [Step](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: No

### clientToken

The client token of the test suite.

Type: String

Pattern: [A-Za-z0-9\-\-]{1,64}

Required: No

### description

The description of the test suite.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Required: No

### name

The name of the test suite.

Type: String

Pattern: [A-Za-z][A-Za-z0-9\_\-\-]{1,59}

Required: Yes

### tags

The tags of the test suite.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Key Pattern: (?!aws:).+

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

Required: No

### testCases

The test cases in the test suite.

Type: TestCases object

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

Required: Yes

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "testSuiteId": "string",
  "testSuiteVersion": number
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

## testSuiteId

The suite ID of the test suite.

Type: String

Pattern: [A-Za-z0-9:/\ -]{1,100}

## testSuiteVersion

The suite version of the test suite.

Type: Integer

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **ConflictException**

The parameters provided in the request conflict with existing resources.

HTTP Status Code: 409

### **InternalServerException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ServiceQuotaExceededException**

One or more quotas for AWS Mainframe Modernization Application Testing exceeds the limit.

HTTP Status Code: 402

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

## **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## **See Also**

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

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

# DeleteTestCase

Deletes a test case.

## Request Syntax

```
DELETE /testcases/testCaseId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### testCaseId

The test case ID of the test case.

Pattern: [A-Za-z0-9:/\ -]{1,100}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

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

### AccessDeniedException

The account or role doesn't have the right permissions to make the request.



HTTP Status Code: 403

### **ConflictException**

The parameters provided in the request conflict with existing resources.

HTTP Status Code: 409

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 404

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## **See Also**

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

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

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

# DeleteTestConfiguration

Deletes a test configuration.

## Request Syntax

```
DELETE /testconfigurations/testConfigurationId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### testConfigurationId

The test ID of the test configuration.

Pattern: [A-Za-z0-9:/\ -]{1,100}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

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

### AccessDeniedException

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **ConflictException**

The parameters provided in the request conflict with existing resources.

HTTP Status Code: 409

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ServiceQuotaExceededException**

One or more quotas for AWS Mainframe Modernization Application Testing exceeds the limit.

HTTP Status Code: 402

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## **See Also**

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

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

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

# DeleteTestRun

Deletes a test run.

## Request Syntax

```
DELETE /testruns/testRunId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### testRunId

The run ID of the test run.

Pattern: [A-Za-z0-9:/\ -]{1,100}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

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

### AccessDeniedException

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **ConflictException**

The parameters provided in the request conflict with existing resources.

HTTP Status Code: 409

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## **See Also**

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

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





# DeleteTestSuite

Deletes a test suite.

## Request Syntax

```
DELETE /testsuites/testSuiteId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### testSuiteId

The test ID of the test suite.

Pattern: [A-Za-z0-9:/\ -]{1,100}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

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

### AccessDeniedException

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **ConflictException**

The parameters provided in the request conflict with existing resources.

HTTP Status Code: 409

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ServiceQuotaExceededException**

One or more quotas for AWS Mainframe Modernization Application Testing exceeds the limit.

HTTP Status Code: 402

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## **See Also**

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

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

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

# GetTestCase

Gets a test case.

## Request Syntax

```
GET /testcases/testCaseId?testCaseVersion=testCaseVersion HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### testCaseId

The request test ID of the test case.

Pattern: `[A-Za-z0-9:/\-\]{1,100}`

Required: Yes

### testCaseVersion

The test case version of the test case.

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "creationTime": number,
  "description": "string",
  "lastUpdateTime": number,
  "latestVersion": {
    "status": "string",
    "statusReason": "string",
    "version": number
```

```
},
  "name": "string",
  "status": "string",
  "statusReason": "string",
  "steps": [
    {
      "action": { ... },
      "description": "string",
      "name": "string"
    }
  ],
  "tags": {
    "string" : "string"
  },
  "testCaseArn": "string",
  "testCaseId": "string",
  "testCaseVersion": 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.

### creationTime

The creation time of the test case.

Type: Timestamp

### description

The description of the test case.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

### lastUpdateTime

The last update time of the test case.

Type: Timestamp

## latestVersion

The latest version of the test case.

Type: [TestCaseLatestVersion](#) object

## name

The name of the test case.

Type: String

Pattern: [A-Za-z][A-Za-z0-9\_\-]{1,59}

## status

The status of the test case.

Type: String

Valid Values: Active | Deleting

## statusReason

The status reason of the test case.

Type: String

## steps

The steps of the test case.

Type: Array of [Step](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

## tags

The tags of the test case.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Key Pattern: (?!aws:).+

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

### testCaseArn

The Amazon Resource Name (ARN) of the test case.

Type: String

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+@.-]{0,1023}`

### testCaseId

The response test ID of the test case.

Type: String

Pattern: `[A-Za-z0-9:/\ -]{1,100}`

### testCaseVersion

The case version of the test case.

Type: Integer

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **InternalServerError**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 404

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## **See Also**

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

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



# GetTestConfiguration

Gets a test configuration.

## Request Syntax

```
GET /testconfigurations/testConfigurationId?  
testConfigurationVersion=testConfigurationVersion HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### testConfigurationId

The request test configuration ID.

Pattern: [A-Za-z0-9:/\ -]{1,100}

Required: Yes

### testConfigurationVersion

The test configuration version.

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200  
Content-type: application/json  
  
{  
  "creationTime": number,  
  "description": "string",  
  "lastUpdateTime": number,  
  "latestVersion": {  
    "status": "string",  
    "statusReason": "string",
```

```
    "version": number
  },
  "name": "string",
  "properties": {
    "string" : "string"
  },
  "resources": [
    {
      "name": "string",
      "type": { ... }
    }
  ],
  "serviceSettings": {
    "kmsKeyId": "string"
  },
  "status": "string",
  "statusReason": "string",
  "tags": {
    "string" : "string"
  },
  "testConfigurationArn": "string",
  "testConfigurationId": "string",
  "testConfigurationVersion": 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.

### creationTime

The creation time of the test configuration.

Type: Timestamp

### description

The description of the test configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

## lastUpdateTime

The last update time of the test configuration.

Type: Timestamp

## latestVersion

The latest version of the test configuration.

Type: [TestConfigurationLatestVersion](#) object

## name

The test configuration name

Type: String

Pattern: [A-Za-z][A-Za-z0-9\_\-]{1,59}

## properties

The properties of the test configuration.

Type: String to string map

## resources

The resources of the test configuration.

Type: Array of [Resource](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

## serviceSettings

The service settings of the test configuration.

Type: [ServiceSettings](#) object

## status

The status of the test configuration.

Type: String

Valid Values: Active | Deleting

### statusReason

The status reason of the test configuration.

Type: String

### tags

The tags of the test configuration.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Key Pattern: (?!aws:).+

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

### testConfigurationArn

The test configuration Amazon Resource Name (ARN).

Type: String

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+=@.-]{0,1023}`

### testConfigurationId

The response test configuration ID.

Type: String

Pattern: `[A-Za-z0-9:/\-]{1,100}`

### testConfigurationVersion

The test configuration version.

Type: Integer

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 404

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

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

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

# GetTestRunStep

Gets a test run step.

## Request Syntax

```
GET /testruns/testRunId/steps/stepName?testCaseId=testCaseId&testSuiteId=testSuiteId
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### stepName

The step name of the test run step.

Pattern: [A-Za-z][A-Za-z0-9\_\-]{1,59}

Required: Yes

### testCaseId

The test case ID of a test run step.

Pattern: [A-Za-z0-9:/\-]{1,100}

### testRunId

The test run ID of the test run step.

Pattern: [A-Za-z0-9:/\-]{1,100}

Required: Yes

### testSuiteId

The test suite ID of a test run step.

Pattern: [A-Za-z0-9:/\-]{1,100}

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "afterStep": boolean,
  "beforeStep": boolean,
  "runEndTime": number,
  "runStartTime": number,
  "status": "string",
  "statusReason": "string",
  "stepName": "string",
  "stepRunSummary": { ... },
  "testCaseId": "string",
  "testCaseVersion": number,
  "testRunId": "string",
  "testSuiteId": "string",
  "testSuiteVersion": 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.

### afterStep

The after steps of the test run step.

Type: Boolean

### beforeStep

The before steps of the test run step.

Type: Boolean

### runEndTime

The run end time of the test run step.

Type: Timestamp



## runStartTime

The run start time of the test run step.

Type: Timestamp

## status

The status of the test run step.

Type: String

Valid Values: Success | Failed | Running

## statusReason

The status reason of the test run step.

Type: String

## stepName

The step name of the test run step.

Type: String

Pattern: [A-Za-z][A-Za-z0-9\_\-]{1,59}

## stepRunSummary

The step run summary of the test run step.

Type: [StepRunSummary](#) object

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

## testCaseId

The test case ID of the test run step.

Type: String

Pattern: [A-Za-z0-9:/\-]{1,100}

## testCaseVersion

The test case version of the test run step.

Type: Integer

### testRunId

The test run ID of the test run step.

Type: String

Pattern: [A-Za-z0-9:/\-]{1,100}

### testSuiteId

The test suite ID of the test run step.

Type: String

Pattern: [A-Za-z0-9:/\-]{1,100}

### testSuiteVersion

The test suite version of the test run step.

Type: Integer

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **InternalServerError**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 404

## ThrottlingException

The number of requests made exceeds the limit.

HTTP Status Code: 429

## ValidationException

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

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

# GetTestSuite

Gets a test suite.

## Request Syntax

```
GET /testsuites/testSuiteId?testSuiteVersion=testSuiteVersion HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### testSuiteId

The ID of the test suite.

Pattern: `[A-Za-z0-9:/\ -]{1,100}`

Required: Yes

### testSuiteVersion

The version of the test suite.

## Request Body

The request does not have a request body.

## Response Syntax

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

```
{
  "afterSteps": [
    {
      "action": { ... },
      "description": "string",
      "name": "string"
    }
  ],
}
```

```
"beforeSteps": [
  {
    "action": { ... },
    "description": "string",
    "name": "string"
  }
],
"creationTime": number,
"description": "string",
"lastUpdateTime": number,
"latestVersion": {
  "status": "string",
  "statusReason": "string",
  "version": number
},
"name": "string",
"status": "string",
"statusReason": "string",
"tags": {
  "string" : "string"
},
"testCases": { ... },
"testSuiteArn": "string",
"testSuiteId": "string",
"testSuiteVersion": 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.

### afterSteps

The after steps of the test suite.

Type: Array of [Step](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

### beforeSteps

The before steps of the test suite.

Type: Array of [Step](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

### [creationTime](#)

The creation time of the test suite.

Type: Timestamp

### [description](#)

The description of the test suite.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

### [lastUpdateTime](#)

The last update time of the test suite.

Type: Timestamp

### [latestVersion](#)

The latest version of the test suite.

Type: [TestSuiteLatestVersion](#) object

### [name](#)

The name of the test suite.

Type: String

Pattern: [A-Za-z][A-Za-z0-9\_\-]{1,59}

### [status](#)

The status of the test suite.

Type: String

Valid Values: Creating | Updating | Active | Failed | Deleting

### [statusReason](#)

The status reason of the test suite.

Type: String

### tags

The tags of the test suite.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Key Pattern: (?!aws:).+

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

### testCases

The test cases of the test suite.

Type: [TestCases](#) object

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

### testSuiteArn

The test suite Amazon Resource Name (ARN).

Type: String

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/] [A-Za-z0-9:_/+ =, @. -]{0,1023}`

### testSuiteId

The response ID of the test suite.

Type: String

Pattern: `[A-Za-z0-9:/\ -]{1,100}`

### testSuiteVersion

The version of the test suite.

Type: Integer

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 404

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

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



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

# ListTagsForResource

Lists tags for a resource.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

The Amazon Resource Name (ARN) of the resource.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+@.-]{0,1023}`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

## Response Elements

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

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

### tags

The tags of the resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Key Pattern: (?!aws:).+

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

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **InternalServerError**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 404

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

## ValidationException

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

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

# ListTestCases

Lists test cases.

## Request Syntax

```
GET /testcases?maxResults=maxResults&nextToken=nextToken&testCaseIds=testCaseIds
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum results of the test case.

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

### nextToken

The next token of the test cases.

Pattern: `\S{1,2000}`

### testCaseIds

The IDs of the test cases.

Pattern: `[A-Za-z0-9:/\-\]{1,100}`

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
```

```
"testCases": [  
  {  
    "creationTime": number,  
    "lastUpdateTime": number,  
    "latestVersion": number,  
    "name": "string",  
    "status": "string",  
    "statusReason": "string",  
    "testCaseArn": "string",  
    "testCaseId": "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 next token in test cases.

Type: String

Pattern: \S{1,2000}

### testCases

The test cases in an application.

Type: Array of [TestCaseSummary](#) objects

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

## InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

## ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 404

## ThrottlingException

The number of requests made exceeds the limit.

HTTP Status Code: 429

## ValidationException

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

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

# ListTestConfigurations

Lists test configurations.

## Request Syntax

```
GET /testconfigurations?  
maxResults=maxResults&nextToken=nextToken&testConfigurationIds=testConfigurationIds  
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum results of the test configuration.

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

### nextToken

The next token for the test configurations.

Pattern: \S{1,2000}

### testConfigurationIds

The configuration IDs of the test configurations.

Pattern: [A-Za-z0-9:/\ -]{1,100}

## Request Body

The request does not have a request body.

## Response Syntax

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



```
{
  "nextToken": "string",
  "testConfigurations": [
    {
      "creationTime": number,
      "lastUpdateTime": number,
      "latestVersion": number,
      "name": "string",
      "status": "string",
      "statusReason": "string",
      "testConfigurationArn": "string",
      "testConfigurationId": "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 next token in the test configurations.

Type: String

Pattern: \S{1,2000}

### testConfigurations

The test configurations.

Type: Array of [TestConfigurationSummary](#) objects

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 404

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## **See Also**

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

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



# ListTestRuns

Lists test runs.

## Request Syntax

```
GET /testruns?  
maxResults=maxResults&nextToken=nextToken&testrunIds=testRunIds&testSuiteId=testSuiteId  
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum number of test runs to return in one page of results.

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

### nextToken

The token from the previous request to retrieve the next page of test run results.

Pattern: `\S{1,2000}`

### testRunIds

The test run IDs of the test runs.

Pattern: `[A-Za-z0-9:/\ -]{1,100}`

### testSuiteId

The test suite ID of the test runs.

Pattern: `[A-Za-z0-9:/\ -]{1,100}`

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
  "testRuns": [
    {
      "runEndTime": number,
      "runStartTime": number,
      "status": "string",
      "statusReason": "string",
      "testConfigurationId": "string",
      "testConfigurationVersion": number,
      "testRunArn": "string",
      "testRunId": "string",
      "testSuiteId": "string",
      "testSuiteVersion": 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.

### nextToken

The token from the previous request to retrieve the next page of results.

Type: String

Pattern: `\S{1,2000}`

### testRuns

The test runs of the response query.

Type: Array of [TestRunSummary](#) objects

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 404

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

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

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

# ListTestRunSteps

Lists test run steps.

## Request Syntax

```
GET /testruns/testRunId/steps?  
maxResults=maxResults&nextToken=nextToken&testCaseId=testCaseId&testSuiteId=testSuiteId  
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum number of test run steps to return in one page of results.

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

### nextToken

The token from a previous step to retrieve the next page of results.

Pattern: \S{1,2000}

### testCaseId

The test case ID of the test run steps.

Pattern: [A-Za-z0-9:/\ -]{1,100}

### testRunId

The test run ID of the test run steps.

Pattern: [A-Za-z0-9:/\ -]{1,100}

Required: Yes

### testSuiteId

The test suite ID of the test run steps.

Pattern: [A-Za-z0-9:/\ -]{1,100}



## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
  "testRunSteps": [
    {
      "afterStep": boolean,
      "beforeStep": boolean,
      "runEndTime": number,
      "runStartTime": number,
      "status": "string",
      "statusReason": "string",
      "stepName": "string",
      "testCaseId": "string",
      "testCaseVersion": number,
      "testRunId": "string",
      "testSuiteId": "string",
      "testSuiteVersion": 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.

### nextToken

The token from a previous request to retrieve the next page of results.

Type: String

Pattern: `\S{1,2000}`

## [testRunSteps](#)

The test run steps of the response query.

Type: Array of [TestRunStepSummary](#) objects

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **InternalServerError**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 404

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

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

# ListTestRunTestCases

Lists test run test cases.

## Request Syntax

```
GET /testruns/testRunId/testcases?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum number of test run test cases to return in one page of results.

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

### nextToken

The token from a previous request to retrieve the next page of results.

Pattern: `\S{1,2000}`

### testRunId

The test run ID of the test cases.

Pattern: `[A-Za-z0-9:/\-\]{1,100}`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
```

```
"nextToken": "string",
"testRunTestCases": [
  {
    "runEndTime": number,
    "runStartTime": number,
    "status": "string",
    "statusReason": "string",
    "testCaseId": "string",
    "testCaseVersion": number,
    "testRunId": "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 from a previous request to retrieve the next page of results.

Type: String

Pattern: \S{1,2000}

### testRunTestCases

The test run of the test cases.

Type: Array of [TestCaseRunSummary](#) objects

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

## InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

## ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 404

## ThrottlingException

The number of requests made exceeds the limit.

HTTP Status Code: 429

## ValidationException

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

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

# ListTestSuites

Lists test suites.

## Request Syntax

```
GET /testsuites?maxResults=maxResults&nextToken=nextToken&testSuiteIds=testSuiteIds  
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum number of test suites to return in one page of results.

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

### nextToken

The token from a previous request to retrieve the next page of results.

Pattern: `\S{1,2000}`

### testSuiteIds

The suite ID of the test suites.

Pattern: `[A-Za-z0-9:/\-\]{1,100}`

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200  
Content-type: application/json  
  
{  
  "nextToken": "string",
```

```
"testSuites": [  
  {  
    "creationTime": number,  
    "lastUpdateTime": number,  
    "latestVersion": number,  
    "name": "string",  
    "status": "string",  
    "statusReason": "string",  
    "testSuiteArn": "string",  
    "testSuiteId": "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 from a previous request to retrieve the next page of test suites results.

Type: String

Pattern: \S{1,2000}

### [testSuites](#)

The test suites returned with the response query.

Type: Array of [TestSuiteSummary](#) objects

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403



## InternalServerErrorException

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

## ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 404

## ThrottlingException

The number of requests made exceeds the limit.

HTTP Status Code: 429

## ValidationException

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

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

# StartTestRun

Starts a test run.

## Request Syntax

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

{
  "clientToken": "string",
  "tags": {
    "string" : "string"
  },
  "testConfigurationId": "string",
  "testSuiteId": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### clientToken

The client token of the test run.

Type: String

Pattern: [A-Za-z0-9\-\-]{1,64}

Required: No

### tags

The tags of the test run.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Key Pattern: (?!aws:).+

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

Required: No

### testConfigurationId

The configuration ID of the test run.

Type: String

Pattern: [A-Za-z0-9:/\-]{1,100}

Required: No

### testSuiteId

The test suite ID of the test run.

Type: String

Pattern: [A-Za-z0-9:/\-]{1,100}

Required: Yes

## Response Syntax

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

{
  "testRunId": "string",
  "testRunStatus": "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.

### testRunId

The test run ID of the test run.

Type: String

Pattern: [A-Za-z0-9:/\-\]{1,100}

### testRunStatus

The test run status of the test run.

Type: String

Valid Values: Success | Running | Failed | Deleting

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **ConflictException**

The parameters provided in the request conflict with existing resources.

HTTP Status Code: 409

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

One or more quotas for AWS Mainframe Modernization Application Testing exceeds the limit.

HTTP Status Code: 402

## **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

## **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## **See Also**

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

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

# TagResource

Specifies tags of a resource.

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

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

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+,@.-]{0,1023}`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### tags

The tags of the resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Key Pattern: (?!aws:).+

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

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### InternalServerError

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 404

### ServiceQuotaExceededException

One or more quotas for AWS Mainframe Modernization Application Testing exceeds the limit.

HTTP Status Code: 402

## ThrottlingException

The number of requests made exceeds the limit.

HTTP Status Code: 429

## ValidationException

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

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



# UntagResource

Untags a resource.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

The Amazon Resource Name (ARN) of the resource.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+@.-]{0,1023}`

Required: Yes

### tagKeys

The tag keys of the resource.

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

Pattern: `(?!aws:).+`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 404

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)

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

# UpdateTestCase

Updates a test case.

## Request Syntax

```
PATCH /testcases/testCaseId HTTP/1.1
Content-type: application/json
```

```
{
  "description": "string",
  "steps": [
    {
      "action": { ... },
      "description": "string",
      "name": "string"
    }
  ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### testCaseId

The test case ID of the test case.

Pattern: [A-Za-z0-9:/\~]{1,100}

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### description

The description of the test case.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Required: No

### steps

The steps of the test case.

Type: Array of [Step](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: No

## Response Syntax

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

{
  "testCaseId": "string",
  "testCaseVersion": 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.

### testCaseId

The test case ID of the test case.

Type: String

Pattern: [A-Za-z0-9:/\ -]{1,100}

### testCaseVersion

The test case version of the test case.

Type: Integer

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **ConflictException**

The parameters provided in the request conflict with existing resources.

HTTP Status Code: 409

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 404

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)

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

# UpdateTestConfiguration

Updates a test configuration.

## Request Syntax

```
PATCH /testconfigurations/testConfigurationId HTTP/1.1
Content-type: application/json
```

```
{
  "description": "string",
  "properties": {
    "string" : "string"
  },
  "resources": [
    {
      "name": "string",
      "type": { ... }
    }
  ],
  "serviceSettings": {
    "kmsKeyId": "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### testConfigurationId

The test configuration ID of the test configuration.

Pattern: [A-Za-z0-9:/\ -]{1,100}

Required: Yes

## Request Body

The request accepts the following data in JSON format.



### description

The description of the test configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Required: No

### properties

The properties of the test configuration.

Type: String to string map

Required: No

### resources

The resources of the test configuration.

Type: Array of [Resource](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: No

### serviceSettings

The service settings of the test configuration.

Type: [ServiceSettings](#) object

Required: No

## Response Syntax

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

{
  "testConfigurationId": "string",
  "testConfigurationVersion": 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.

### testConfigurationId

The configuration ID of the test configuration.

Type: String

Pattern: [A-Za-z0-9:/\ -]{1,100}

### testConfigurationVersion

The configuration version of the test configuration.

Type: Integer

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **ConflictException**

The parameters provided in the request conflict with existing resources.

HTTP Status Code: 409

### **InternalServerError**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

## ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 404

## ThrottlingException

The number of requests made exceeds the limit.

HTTP Status Code: 429

## ValidationException

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## See Also

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

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

# UpdateTestSuite

Updates a test suite.

## Request Syntax

```
PATCH /testsuites/testSuiteId HTTP/1.1
Content-type: application/json
```

```
{
  "afterSteps": [
    {
      "action": { ... },
      "description": "string",
      "name": "string"
    }
  ],
  "beforeSteps": [
    {
      "action": { ... },
      "description": "string",
      "name": "string"
    }
  ],
  "description": "string",
  "testCases": { ... }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### testSuiteId

The test suite ID of the test suite.

Pattern: [A-Za-z0-9:/\-\]{1,100}

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### afterSteps

The after steps of the test suite.

Type: Array of [Step](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: No

### beforeSteps

The before steps for the test suite.

Type: Array of [Step](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: No

### description

The description of the test suite.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Required: No

### testCases

The test cases in the test suite.

Type: [TestCases](#) object

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

Required: No

## Response Syntax

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

{
  "testSuiteId": "string",
  "testSuiteVersion": 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.

### [testSuiteId](#)

The test suite ID of the test suite.

Type: String

Pattern: [A-Za-z0-9:/\ -]{1,100}

### [testSuiteVersion](#)

The test suite version of the test suite.

Type: Integer

## Errors

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

### **AccessDeniedException**

The account or role doesn't have the right permissions to make the request.

HTTP Status Code: 403

### **ConflictException**

The parameters provided in the request conflict with existing resources.

HTTP Status Code: 409

### **InternalServerErrorException**

An unexpected error occurred during the processing of the request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 404

### **ThrottlingException**

The number of requests made exceeds the limit.

HTTP Status Code: 429

### **ValidationException**

One or more parameter provided in the request is not valid.

HTTP Status Code: 400

## **See Also**

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

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

# Data Types

The AWS Mainframe Modernization Application Testing 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:

- [Batch](#)
- [BatchStepInput](#)
- [BatchStepOutput](#)
- [BatchSummary](#)
- [CloudFormation](#)
- [CloudFormationAction](#)
- [CloudFormationStepSummary](#)
- [CompareAction](#)
- [CompareActionSummary](#)
- [CompareDatabaseCDCStepInput](#)
- [CompareDatabaseCDCStepOutput](#)
- [CompareDatabaseCDCSummary](#)
- [CompareDataSetsStepInput](#)
- [CompareDataSetsStepOutput](#)
- [CompareDataSetsSummary](#)
- [CompareFileType](#)
- [CreateCloudFormationStepInput](#)
- [CreateCloudFormationStepOutput](#)
- [CreateCloudFormationSummary](#)
- [DatabaseCDC](#)



- [DataSet](#)
- [DeleteCloudFormationStepInput](#)
- [DeleteCloudFormationStepOutput](#)
- [DeleteCloudFormationSummary](#)
- [File](#)
- [FileMetadata](#)
- [Input](#)
- [InputFile](#)
- [M2ManagedActionProperties](#)
- [M2ManagedApplication](#)
- [M2ManagedApplicationAction](#)
- [M2ManagedApplicationStepInput](#)
- [M2ManagedApplicationStepOutput](#)
- [M2ManagedApplicationStepSummary](#)
- [M2ManagedApplicationSummary](#)
- [M2NonManagedApplication](#)
- [M2NonManagedApplicationAction](#)
- [M2NonManagedApplicationStepInput](#)
- [M2NonManagedApplicationStepOutput](#)
- [M2NonManagedApplicationStepSummary](#)
- [M2NonManagedApplicationSummary](#)
- [MainframeAction](#)
- [MainframeActionProperties](#)
- [MainframeActionSummary](#)
- [MainframeActionType](#)
- [MainframeResourceSummary](#)
- [Output](#)
- [OutputFile](#)
- [Resource](#)
- [ResourceAction](#)

- [ResourceActionSummary](#)
- [ResourceType](#)
- [Script](#)
- [ScriptSummary](#)
- [ServiceSettings](#)
- [SourceDatabaseMetadata](#)
- [Step](#)
- [StepAction](#)
- [StepRunSummary](#)
- [TargetDatabaseMetadata](#)
- [TestCaseLatestVersion](#)
- [TestCaseRunSummary](#)
- [TestCases](#)
- [TestCaseSummary](#)
- [TestConfigurationLatestVersion](#)
- [TestConfigurationSummary](#)
- [TestRunStepSummary](#)
- [TestRunSummary](#)
- [TestSuiteLatestVersion](#)
- [TestSuiteSummary](#)
- [TN3270](#)
- [TN3270StepInput](#)
- [TN3270StepOutput](#)
- [TN3270Summary](#)
- [ValidationExceptionField](#)

# Batch

Defines a batch.

## Contents

### **batchJobName**

The job name of the batch.

Type: String

Pattern: `\S{1,1000}`

Required: Yes

### **batchJobParameters**

The batch job parameters of the batch.

Type: String to string map

Required: No

### **exportDataSetNames**

The export data set names of the batch.

Type: Array of strings

Pattern: `\S{1,100}`

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](#)



# BatchStepInput

Defines a batch step input.

## Contents

### batchJobName

The batch job name of the batch step input.

Type: String

Pattern: `[A-Za-z][A-Za-z0-9_\-]{1,59}`

Required: Yes

### resource

The resource of the batch step input.

Type: [MainframeResourceSummary](#) object

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

Required: Yes

### batchJobParameters

The batch job parameters of the batch step input.

Type: String to string map

Required: No

### exportDataSetNames

The export data set names of the batch step input.

Type: Array of strings

Pattern: `\S{1,100}`

Required: No

### properties

The properties of the batch step input.

Type: [MainframeActionProperties](#) 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](#)

# BatchStepOutput

Defines a batch step output.

## Contents

### dataSetDetails

The data set details of the batch step output.

Type: Array of [DataSet](#) objects

Required: No

### dataSetExportLocation

The data set export location of the batch step output.

Type: String

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

Required: No

### dmsOutputLocation

The Database Migration Service (DMS) output location of the batch step output.

Type: String

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

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](#)





# BatchSummary

Summarizes a batch job.

## Contents

### stepInput

The step input of the batch summary.

Type: [BatchStepInput](#) object

Required: Yes

### stepOutput

The step output of the batch summary.

Type: [BatchStepOutput](#) 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](#)

# CloudFormation

Specifies the CloudFormation template and its parameters.

## Contents

### templateLocation

The template location of the CloudFormation template.

Type: String

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

Required: Yes

### parameters

The CloudFormation properties in the CloudFormation template.

Type: String to string map

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](#)

# CloudFormationAction

Specifies the CloudFormation action.

## Contents

### resource

The resource of the CloudFormation action.

Type: String

Pattern: `\S{1,1000}`

Required: Yes

### actionType

The action type of the CloudFormation action.

Type: String

Valid Values: Create | Delete

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](#)

# CloudFormationStepSummary

Specifies the CloudFormation step summary.

## Contents

### Important

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

### **createCloudformation**

Creates the CloudFormation summary of the step.

Type: [CreateCloudFormationSummary](#) object

Required: No

### **deleteCloudformation**

Deletes the CloudFormation summary of the CloudFormation step summary.

Type: [DeleteCloudFormationSummary](#) 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](#)

# CompareAction

Compares the action.

## Contents

### input

The input of the compare action.

Type: [Input](#) object

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

Required: Yes

### output

The output of the compare action.

Type: [Output](#) 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](#)

# CompareActionSummary

Specifies the compare action summary.

## Contents

### type

The type of the compare action summary.

Type: [File](#) object

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

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](#)

# CompareDatabaseCDCStepInput

Compares the database Change Data Capture (CDC) step input.

## Contents

### sourceLocation

The source location of the compare database CDC step input.

Type: String

Required: Yes

### sourceMetadata

The source metadata of the compare database CDC step input.

Type: [SourceDatabaseMetadata](#) object

Required: Yes

### targetLocation

The target location of the compare database CDC step input.

Type: String

Required: Yes

### targetMetadata

The target metadata location of the compare database CDC step input.

Type: [TargetDatabaseMetadata](#) object

Required: Yes

### outputLocation

The output location of the compare database CDC step input.

Type: String

Required: No

## See Also

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

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



# CompareDatabaseCDCStepOutput

Compares the database CDC step output.

## Contents

### **comparisonOutputLocation**

The comparison output of the compare database CDC step output.

Type: String

Required: Yes

### **comparisonStatus**

The comparison status of the compare database CDC step output.

Type: String

Valid Values: Different | Equivalent | Equal

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](#)

# CompareDatabaseCDCSummary

Compares the database CDC summary.

## Contents

### stepInput

The step input of the compare database CDC summary.

Type: [CompareDatabaseCDCStepInput](#) object

Required: Yes

### stepOutput

The step output of the compare database CDC summary.

Type: [CompareDatabaseCDCStepOutput](#) 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](#)

# CompareDataSetsStepInput

Specifies the compare data sets step input.

## Contents

### sourceDataSets

The source data sets of the compare data sets step input location.

Type: Array of [DataSet](#) objects

Required: Yes

### sourceLocation

The source location of the compare data sets step input location.

Type: String

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

Required: Yes

### targetDataSets

The target data sets of the compare data sets step input location.

Type: Array of [DataSet](#) objects

Required: Yes

### targetLocation

The target location of the compare data sets step input location.

Type: String

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

Required: Yes

## See Also

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

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

# CompareDataSetsStepOutput

Specifies the compare data sets step output.

## Contents

### **comparisonOutputLocation**

The comparison output location of the compare data sets step output.

Type: String

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

Required: Yes

### **comparisonStatus**

The comparison status of the compare data sets step output.

Type: String

Valid Values: Different | Equivalent | Equal

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](#)

# CompareDataSetsSummary

Compares data sets summary.

## Contents

### stepInput

The step input of the compare data sets summary.

Type: [CompareDataSetsStepInput](#) object

Required: Yes

### stepOutput

The step output of the compare data sets summary.

Type: [CompareDataSetsStepOutput](#) 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](#)

# CompareFileType

Compares the file type.

## Contents

### Important

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

### databaseCDC

The database CDC of the compare file type.

Type: [CompareDatabaseCDCSummary](#) object

Required: No

### datasets

The data sets in the compare file type.

Type: [CompareDataSetsSummary](#) 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](#)

# CreateCloudFormationStepInput

Creates the CloudFormation step input.

## Contents

### templateLocation

The template location of the CloudFormation step input.

Type: String

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

Required: Yes

### parameters

The CloudFormation properties of the CloudFormation step input.

Type: String to string map

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](#)



# CreateCloudFormationStepOutput

Creates a CloudFormation step output.

## Contents

### stackId

The stack ID of the CloudFormation step output.

Type: String

Required: Yes

### exports

The exports of the CloudFormation step output.

Type: String to string map

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](#)

# CreateCloudFormationSummary

Creates a CloudFormation summary.

## Contents

### stepInput

The step input of the CloudFormation summary.

Type: [CreateCloudFormationStepInput](#) object

Required: Yes

### stepOutput

The step output of the CloudFormation summary.

Type: [CreateCloudFormationStepOutput](#) 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](#)

# DatabaseCDC

Defines the Change Data Capture (CDC) of the database.

## Contents

### sourceMetadata

The source metadata of the database CDC.

Type: [SourceDatabaseMetadata](#) object

Required: Yes

### targetMetadata

The target metadata of the database CDC.

Type: [TargetDatabaseMetadata](#) object

Required: Yes

## See Also

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

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

# DataSet

Defines a data set.

## Contents

### **ccsid**

The CCSID of the data set.

Type: String

Pattern: \S{1,50}

Required: Yes

### **format**

The format of the data set.

Type: String

Valid Values: FIXED | VARIABLE | LINE\_SEQUENTIAL

Required: Yes

### **length**

The length of the data set.

Type: Integer

Required: Yes

### **name**

The name of the data set.

Type: String

Pattern: \S{1,100}

Required: Yes

## type

The type of the data set.

Type: String

Valid Values: PS

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](#)

# DeleteCloudFormationStepInput

Deletes the CloudFormation step input.

## Contents

### stackId

The stack ID of the deleted CloudFormation step input.

Type: String

Required: Yes

## See Also

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

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

# DeleteCloudFormationStepOutput

Deletes the CloudFormation summary step output.

## Contents

The members of this exception structure are context-dependent.

## 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](#)

# DeleteCloudFormationSummary

Deletes the CloudFormation summary.

## Contents

### stepInput

The step input of the deleted CloudFormation summary.

Type: [DeleteCloudFormationStepInput](#) object

Required: Yes

### stepOutput

The step output of the deleted CloudFormation summary.

Type: [DeleteCloudFormationStepOutput](#) 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](#)



# File

Defines a file.

## Contents

### Important

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

### fileType

The file type of the file.

Type: [CompareFileType](#) 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](#)

# FileMetadata

Specifies a file metadata.

## Contents

### Important

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

### databaseCDC

The database CDC of the file metadata.

Type: [DatabaseCDC](#) object

Required: No

### dataSets

The data sets of the file metadata.

Type: Array of [DataSet](#) 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](#)

# Input

Specifies the input.

## Contents

### Important

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

### file

The file in the input.

Type: [InputFile](#) 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](#)

# InputFile

Specifies the input file.

## Contents

### fileMetadata

The file metadata of the input file.

Type: [FileMetadata](#) object

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

Required: Yes

### sourceLocation

The source location of the input file.

Type: String

Pattern: \S{1,1000}

Required: Yes

### targetLocation

The target location of the input file.

Type: String

Pattern: \S{1,1000}

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](#)

# M2ManagedActionProperties

Specifies the AWS Mainframe Modernization managed action properties.

## Contents

### forceStop

Force stops the AWS Mainframe Modernization managed action properties.

Type: Boolean

Required: No

### importDataSetLocation

The import data set location of the AWS Mainframe Modernization managed action properties.

Type: String

Pattern: \S{1,1000}

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](#)

# M2ManagedApplication

Specifies the AWS Mainframe Modernization managed application.

## Contents

### **applicationId**

The application ID of the AWS Mainframe Modernization managed application.

Type: String

Pattern: `\S{1,1000}`

Required: Yes

### **runtime**

The runtime of the AWS Mainframe Modernization managed application.

Type: String

Valid Values: `MicroFocus`

Required: Yes

### **listenerPort**

The listener port of the AWS Mainframe Modernization managed application.

Type: String

Pattern: `\S{1,1000}`

Required: No

### **vpcEndpointServiceName**

The VPC endpoint service name of the AWS Mainframe Modernization managed application.

Type: String

Pattern: `\S{1,1000}`

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](#)



# M2ManagedApplicationAction

Specifies the AWS Mainframe Modernization managed application action.

## Contents

### actionType

The action type of the AWS Mainframe Modernization managed application action.

Type: String

Valid Values: Configure | Deconfigure

Required: Yes

### resource

The resource of the AWS Mainframe Modernization managed application action.

Type: String

Pattern: \S{1,1000}

Required: Yes

### properties

The properties of the AWS Mainframe Modernization managed application action.

Type: [M2ManagedActionProperties](#) 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](#)



# M2ManagedApplicationStepInput

Specifies the AWS Mainframe Modernization managed application step input.

## Contents

### actionType

The action type of the AWS Mainframe Modernization managed application step input.

Type: String

Valid Values: Configure | Deconfigure

Required: Yes

### applicationId

The application ID of the AWS Mainframe Modernization managed application step input.

Type: String

Required: Yes

### runtime

The runtime of the AWS Mainframe Modernization managed application step input.

Type: String

Required: Yes

### listenerPort

The listener port of the AWS Mainframe Modernization managed application step input.

Type: Integer

Required: No

### properties

The properties of the AWS Mainframe Modernization managed application step input.

Type: [M2ManagedActionProperties](#) object

Required: No

### **vpcEndpointServiceName**

The VPC endpoint service name of the AWS Mainframe Modernization managed application step input.

Type: String

Required: No

## **See Also**

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

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

# M2ManagedApplicationStepOutput

Specifies the AWS Mainframe Modernization managed application step output.

## Contents

### importDataSetSummary

The import data set summary of the AWS Mainframe Modernization managed application step output.

Type: String to string map

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](#)

# M2ManagedApplicationStepSummary

Specifies the AWS Mainframe Modernization managed application step summary.

## Contents

### stepInput

The step input of the AWS Mainframe Modernization managed application step summary.

Type: [M2ManagedApplicationStepInput](#) object

Required: Yes

### stepOutput

The step output of the AWS Mainframe Modernization managed application step summary.

Type: [M2ManagedApplicationStepOutput](#) 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](#)

# M2ManagedApplicationSummary

Specifies the AWS Mainframe Modernization managed application summary.

## Contents

### **applicationId**

The application ID of the AWS Mainframe Modernization managed application summary.

Type: String

Pattern: [A-Za-z0-9:/\ -]{1,100}

Required: Yes

### **runtime**

The runtime of the AWS Mainframe Modernization managed application summary.

Type: String

Valid Values: MicroFocus

Required: Yes

### **listenerPort**

The listener port of the AWS Mainframe Modernization managed application summary.

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](#)





# M2NonManagedApplication

Specifies the AWS Mainframe Modernization non-managed application.

## Contents

### listenerPort

The listener port of the AWS Mainframe Modernization non-managed application.

Type: String

Pattern: \S{1,1000}

Required: Yes

### runtime

The runtime of the AWS Mainframe Modernization non-managed application.

Type: String

Valid Values: BluAge

Required: Yes

### vpcEndpointServiceName

The VPC endpoint service name of the AWS Mainframe Modernization non-managed application.

Type: String

Pattern: \S{1,1000}

Required: Yes

### webAppName

The web application name of the AWS Mainframe Modernization non-managed application.

Type: String

Pattern: \S{1,1000}

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](#)

# M2NonManagedApplicationAction

Specifies the AWS Mainframe Modernization non-managed application action.

## Contents

### actionType

The action type of the AWS Mainframe Modernization non-managed application action.

Type: String

Valid Values: Configure | Deconfigure

Required: Yes

### resource

The resource of the AWS Mainframe Modernization non-managed application action.

Type: String

Pattern: \S{1,1000}

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](#)

# M2NonManagedApplicationStepInput

Specifies the AWS Mainframe Modernization non-managed application step input.

## Contents

### **actionType**

The action type of the AWS Mainframe Modernization non-managed application step input.

Type: String

Valid Values: Configure | Deconfigure

Required: Yes

### **listenerPort**

The listener port of the AWS Mainframe Modernization non-managed application step input.

Type: Integer

Required: Yes

### **runtime**

The runtime of the AWS Mainframe Modernization non-managed application step input.

Type: String

Valid Values: BluAge

Required: Yes

### **vpcEndpointServiceName**

The VPC endpoint service name of the AWS Mainframe Modernization non-managed application step input.

Type: String

Required: Yes

### **webAppName**

The web app name of the AWS Mainframe Modernization non-managed application step input.

Type: String

Required: No

## See Also

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

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

# M2NonManagedApplicationStepOutput

Specifies the AWS Mainframe Modernization non-managed application step output.

## Contents

The members of this exception structure are context-dependent.

## 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](#)

# M2NonManagedApplicationStepSummary

Specifies the AWS Mainframe Modernization non-managed application step summary.

## Contents

### stepInput

The step input of the AWS Mainframe Modernization non-managed application step summary.

Type: [M2NonManagedApplicationStepInput](#) object

Required: Yes

### stepOutput

The step output of the AWS Mainframe Modernization non-managed application step summary.

Type: [M2NonManagedApplicationStepOutput](#) 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](#)

# M2NonManagedApplicationSummary

Specifies the AWS Mainframe Modernization non-managed application summary.

## Contents

### listenerPort

The listener port of the AWS Mainframe Modernization non-managed application summary.

Type: Integer

Required: Yes

### runtime

The runtime of the AWS Mainframe Modernization non-managed application summary.

Type: String

Valid Values: BluAge

Required: Yes

### vpcEndpointServiceName

The VPC endpoint service name of the AWS Mainframe Modernization non-managed application summary.

Type: String

Required: Yes

### webAppName

The web application name of the AWS Mainframe Modernization non-managed application summary.

Type: String

Required: No



## See Also

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

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

# MainframeAction

Specifies the mainframe action.

## Contents

### actionType

The action type of the mainframe action.

Type: [MainframeActionType](#) object

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

Required: Yes

### resource

The resource of the mainframe action.

Type: String

Pattern: \S{1,1000}

Required: Yes

### properties

The properties of the mainframe action.

Type: [MainframeActionProperties](#) 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](#)



# MainframeActionProperties

Specifies the mainframe action properties.

## Contents

### dmsTaskArn

The DMS task ARN of the mainframe action properties.

Type: String

Pattern: `\S{1,1000}`

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](#)

# MainframeActionSummary

Specifies the mainframe action summary.

## Contents

### Important

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

### batch

The batch of the mainframe action summary.

Type: [BatchSummary](#) object

Required: No

### tn3270

The tn3270 port of the mainframe action summary.

Type: [TN3270Summary](#) 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](#)

# MainframeActionType

Specifies the mainframe action type.

## Contents

### Important

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

### batch

The batch of the mainframe action type.

Type: [Batch](#) object

Required: No

### tn3270

The tn3270 port of the mainframe action type.

Type: [TN3270](#) 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](#)

# MainframeResourceSummary

Specifies the mainframe resource summary.

## Contents

### Important

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

### m2ManagedApplication

The AWS Mainframe Modernization managed application in the mainframe resource summary.

Type: [M2ManagedApplicationSummary](#) object

Required: No

### m2NonManagedApplication

The AWS Mainframe Modernization non-managed application in the mainframe resource summary.

Type: [M2NonManagedApplicationSummary](#) 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](#)

# Output

Specifies an output.

## Contents

### Important

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

### file

The file of the output.

Type: [OutputFile](#) 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](#)



# OutputFile

Specifies an output file.

## Contents

### fileLocation

The file location of the output file.

Type: String

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

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](#)

# Resource

Specifies a resource.

## Contents

### name

The name of the resource.

Type: String

Pattern: `[A-Za-z][A-Za-z0-9_\-]{1,59}`

Required: Yes

### type

The type of the resource.

Type: [ResourceType](#) object

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

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](#)

# ResourceAction

Specifies a resource action.

## Contents

### Important

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

### cloudFormationAction

The CloudFormation action of the resource action.

Type: [CloudFormationAction](#) object

Required: No

### m2ManagedApplicationAction

The AWS Mainframe Modernization managed application action of the resource action.

Type: [M2ManagedApplicationAction](#) object

Required: No

### m2NonManagedApplicationAction

The AWS Mainframe Modernization non-managed application action of the resource action.

Type: [M2NonManagedApplicationAction](#) 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](#)

# ResourceActionSummary

Specifies the resource action summary.

## Contents

### Important

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

### cloudFormation

The CloudFormation template of the resource action summary.

Type: [CloudFormationStepSummary](#) object

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

Required: No

### m2ManagedApplication

The AWS Mainframe Modernization managed application of the resource action summary.

Type: [M2ManagedApplicationStepSummary](#) object

Required: No

### m2NonManagedApplication

The AWS Mainframe Modernization non-managed application of the resource action summary.

Type: [M2NonManagedApplicationStepSummary](#) 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](#)

# ResourceType

Specifies the resource type.

## Contents

### Important

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

### cloudFormation

The CloudFormation template of the resource type.

Type: [CloudFormation](#) object

Required: No

### m2ManagedApplication

The AWS Mainframe Modernization managed application of the resource type.

Type: [M2ManagedApplication](#) object

Required: No

### m2NonManagedApplication

The AWS Mainframe Modernization non-managed application of the resource type.

Type: [M2NonManagedApplication](#) 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](#)



# Script

Specifies the script.

## Contents

### **scriptLocation**

The script location of the scripts.

Type: String

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

Required: Yes

### **type**

The type of the scripts.

Type: String

Valid Values: Selenium

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](#)

# ScriptSummary

Specifies the scripts summary.

## Contents

### **scriptLocation**

The script location of the script summary.

Type: String

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

Required: Yes

### **type**

The type of the script summary.

Type: String

Valid Values: Selenium

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](#)

# ServiceSettings

Specifies the service settings.

## Contents

### kmsKeyId

The KMS key ID of the service settings.

Type: String

Required: No

## See Also

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

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

# SourceDatabaseMetadata

Specifies the source database metadata.

## Contents

### captureTool

The capture tool of the source database metadata.

Type: String

Valid Values: Precisely | AWS DMS

Required: Yes

### type

The type of the source database metadata.

Type: String

Valid Values: z/OS-DB2

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](#)

# Step

Defines a step.

## Contents

### action

The action of the step.

Type: [StepAction](#) object

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

Required: Yes

### name

The name of the step.

Type: String

Pattern: `[A-Za-z][A-Za-z0-9_\-]{1,59}`

Required: Yes

### description

The description of the step.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

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](#)

# StepAction

Specifies a step action.

## Contents

### Important

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

### compareAction

The compare action of the step action.

Type: [CompareAction](#) object

Required: No

### mainframeAction

The mainframe action of the step action.

Type: [MainframeAction](#) object

Required: No

### resourceAction

The resource action of the step action.

Type: [ResourceAction](#) 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](#)



# StepRunSummary

Defines the step run summary.

## Contents

### Important

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

### compareAction

The compare action of the step run summary.

Type: [CompareActionSummary](#) object

Required: No

### mainframeAction

The mainframe action of the step run summary.

Type: [MainframeActionSummary](#) object

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

Required: No

### resourceAction

The resource action of the step run summary.

Type: [ResourceActionSummary](#) 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](#)

# TargetDatabaseMetadata

Specifies a target database metadata.

## Contents

### captureTool

The capture tool of the target database metadata.

Type: String

Valid Values: Precisely | AWS DMS

Required: Yes

### type

The type of the target database metadata.

Type: String

Valid Values: PostgreSQL

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](#)

# TestCaseLatestVersion

Specifies the latest version of a test case.

## Contents

### status

The status of the test case latest version.

Type: String

Valid Values: Active | Deleting

Required: Yes

### version

The version of the test case latest version.

Type: Integer

Required: Yes

### statusReason

The status reason of the test case latest version.

Type: String

Required: No

## See Also

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

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

# TestCaseRunSummary

Specifies the test case run summary.

## Contents

### runStartTime

The run start time of the test case run summary.

Type: Timestamp

Required: Yes

### status

The status of the test case run summary.

Type: String

Valid Values: Success | Running | Failed

Required: Yes

### testCaseId

The test case id of the test case run summary.

Type: String

Pattern: [A-Za-z0-9:/\ -]{1,100}

Required: Yes

### testCaseVersion

The test case version of the test case run summary.

Type: Integer

Required: Yes

### testRunId

The test run id of the test case run summary.

Type: String

Pattern: `[A-Za-z0-9:/\-]{1,100}`

Required: Yes

### **runEndTime**

The run end time of the test case run summary.

Type: Timestamp

Required: No

### **statusReason**

The status reason of the test case run summary.

Type: String

Required: No

## **See Also**

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

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

# TestCases

Specifies test cases.

## Contents

### Important

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

### sequential

The sequential of the test case.

Type: Array of strings

Pattern: `[A-Za-z0-9:/\ -]{1,100}`

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](#)

# TestCaseSummary

Specifies a test case summary.

## Contents

### creationTime

The creation time of the test case summary.

Type: Timestamp

Required: Yes

### lastUpdateTime

The last update time of the test case summary.

Type: Timestamp

Required: Yes

### latestVersion

The latest version of the test case summary.

Type: Integer

Required: Yes

### name

The name of the test case summary.

Type: String

Pattern: `[A-Za-z][A-Za-z0-9_\-\-]{1,59}`

Required: Yes

### status

The status of the test case summary.

Type: String



Valid Values: Active | Deleting

Required: Yes

### **testCaseArn**

The test case Amazon Resource Name (ARN) of the test case summary.

Type: String

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+@.-]{0,1023}`

Required: Yes

### **testCaseId**

The test case ID of the test case summary.

Type: String

Pattern: `[A-Za-z0-9:/\-]{1,100}`

Required: Yes

### **statusReason**

The status reason of the test case summary.

Type: String

Required: No

## **See Also**

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

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

# TestConfigurationLatestVersion

Specifies the latest version of the test configuration.

## Contents

### status

The status of the test configuration latest version.

Type: String

Valid Values: Active | Deleting

Required: Yes

### version

The version of the test configuration latest version.

Type: Integer

Required: Yes

### statusReason

The status reason of the test configuration latest version.

Type: String

Required: No

## See Also

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

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

# TestConfigurationSummary

Specifies a test configuration summary.

## Contents

### creationTime

The creation time of the test configuration summary.

Type: Timestamp

Required: Yes

### lastUpdateTime

The last update time of the test configuration summary.

Type: Timestamp

Required: Yes

### latestVersion

The latest version of the test configuration summary.

Type: Integer

Required: Yes

### name

The name of the test configuration summary.

Type: String

Pattern: [A-Za-z][A-Za-z0-9\_\-]{1,59}

Required: Yes

### status

The status of the test configuration summary.

Type: String

Valid Values: Active | Deleting

Required: Yes

### **testConfigurationArn**

The test configuration ARN of the test configuration summary.

Type: String

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+@.-]{0,1023}`

Required: Yes

### **testConfigurationId**

The test configuration ID of the test configuration summary.

Type: String

Pattern: `[A-Za-z0-9:/\ -]{1,100}`

Required: Yes

### **statusReason**

The status reason of the test configuration summary.

Type: String

Required: No

## **See Also**

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

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

# TestRunStepSummary

Specifies a test run step summary.

## Contents

### runStartTime

The run start time of the test run step summary.

Type: Timestamp

Required: Yes

### status

The status of the test run step summary.

Type: String

Valid Values: Success | Failed | Running

Required: Yes

### stepName

The step name of the test run step summary.

Type: String

Pattern: [A-Za-z][A-Za-z0-9\_\-]{1,59}

Required: Yes

### testRunId

The test run ID of the test run step summary.

Type: String

Pattern: [A-Za-z0-9:/\-]{1,100}

Required: Yes

**afterStep**

The after step of the test run step summary.

Type: Boolean

Required: No

**beforeStep**

The before step of the test run step summary.

Type: Boolean

Required: No

**runEndTime**

The run end time of the test run step summary.

Type: Timestamp

Required: No

**statusReason**

The status reason of the test run step summary.

Type: String

Required: No

**testCaseId**

The test case ID of the test run step summary.

Type: String

Pattern: `[A-Za-z0-9:/\ -]{1,100}`

Required: No

**testCaseVersion**

The test case version of the test run step summary.

Type: Integer

Required: No

### **testSuiteId**

The test suite ID of the test run step summary.

Type: String

Pattern: `[A-Za-z0-9:/\-\]{1,100}`

Required: No

### **testSuiteVersion**

The test suite version of the test run step summary.

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](#)

# TestRunSummary

Specifies a test run summary.

## Contents

### runStartTime

The run start time of the test run summary.

Type: Timestamp

Required: Yes

### status

The status of the test run summary.

Type: String

Valid Values: Success | Running | Failed | Deleting

Required: Yes

### testRunArn

The test run ARN of the test run summary.

Type: String

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+@.-]{0,1023}`

Required: Yes

### testRunId

The test run ID of the test run summary.

Type: String

Pattern: `[A-Za-z0-9:/\ -]{1,100}`

Required: Yes



**testSuiteId**

The test suite ID of the test run summary.

Type: String

Pattern: [A-Za-z0-9:/\ -]{1,100}

Required: Yes

**testSuiteVersion**

The test suite version of the test run summary.

Type: Integer

Required: Yes

**runEndTime**

The run end time of the test run summary.

Type: Timestamp

Required: No

**statusReason**

The status reason of the test run summary.

Type: String

Required: No

**testConfigurationId**

The test configuration ID of the test run summary.

Type: String

Pattern: [A-Za-z0-9:/\ -]{1,100}

Required: No

**testConfigurationVersion**

The test configuration version of the test run summary.

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](#)

# TestSuiteLatestVersion

Specifies the latest version of a test suite.

## Contents

### status

The status of the test suite latest version.

Type: String

Valid Values: Creating | Updating | Active | Failed | Deleting

Required: Yes

### version

The version of the test suite latest version.

Type: Integer

Required: Yes

### statusReason

The status reason of the test suite latest version.

Type: String

Required: No

## See Also

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

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

# TestSuiteSummary

Specifies the test suite summary.

## Contents

### creationTime

The creation time of the test suite summary.

Type: Timestamp

Required: Yes

### lastUpdateTime

The last update time of the test suite summary.

Type: Timestamp

Required: Yes

### latestVersion

The latest version of the test suite summary.

Type: Integer

Required: Yes

### name

The name of the test suite summary.

Type: String

Pattern: `[A-Za-z][A-Za-z0-9_\-]{1,59}`

Required: Yes

### status

The status of the test suite summary.

Type: String

Valid Values: Creating | Updating | Active | Failed | Deleting

Required: Yes

### **testSuiteArn**

The test suite Amazon Resource Name (ARN) of the test suite summary.

Type: String

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+@.-]{0,1023}`

Required: Yes

### **testSuiteId**

The test suite ID of the test suite summary.

Type: String

Pattern: `[A-Za-z0-9:/\-]{1,100}`

Required: Yes

### **statusReason**

The status reason of the test suite summary.

Type: String

Required: No

## **See Also**

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

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

# TN3270

Specifies the TN3270 protocol.

## Contents

### **script**

The script of the TN3270 protocol.

Type: [Script](#) object

Required: Yes

### **exportDataSetNames**

The data set names of the TN3270 protocol.

Type: Array of strings

Pattern: \S{1,100}

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](#)

# TN3270StepInput

Specifies a TN3270 step input.

## Contents

### resource

The resource of the TN3270 step input.

Type: [MainframeResourceSummary](#) object

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

Required: Yes

### script

The script of the TN3270 step input.

Type: [ScriptSummary](#) object

Required: Yes

### exportDataSetNames

The export data set names of the TN3270 step input.

Type: Array of strings

Pattern: `\S{1,100}`

Required: No

### properties

The properties of the TN3270 step input.

Type: [MainframeActionProperties](#) 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](#)



# TN3270StepOutput

Specifies a TN3270 step output.

## Contents

### **scriptOutputLocation**

The script output location of the TN3270 step output.

Type: String

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

Required: Yes

### **dataSetDetails**

The data set details of the TN3270 step output.

Type: Array of [DataSet](#) objects

Required: No

### **dataSetExportLocation**

The data set export location of the TN3270 step output.

Type: String

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

Required: No

### **dmsOutputLocation**

The output location of the TN3270 step output.

Type: String

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

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](#)

# TN3270Summary

Specifies a TN3270 summary.

## Contents

### stepInput

The step input of the TN3270 summary.

Type: [TN3270StepInput](#) object

Required: Yes

### stepOutput

The step output of the TN3270 summary.

Type: [TN3270StepOutput](#) object

Required: No

## See Also

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

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

# ValidationExceptionField

Specifies a validation exception field.

## Contents

### message

The message stating reason for why service validation failed.

Type: String

Required: Yes

### name

The name of the validation exception field.

Type: String

Required: Yes

## See Also

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

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

# Common Parameters

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

## Action

The action to be performed.

Type: string

Required: Yes

## Version

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

Type: string

Required: Yes

## X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

## X-Amz-Credential

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

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

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

Type: string

Required: Conditional

### **X-Amz-Date**

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

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

Type: string

Required: Conditional

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

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

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

Type: string

Required: Conditional

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

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

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

Type: string

Required: Conditional

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

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

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

Type: string

Required: Conditional

# Common Errors

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

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

## **ExpiredTokenException**

The security token included in the request is expired

HTTP Status Code: 403

## **IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 403

## **InternalFailure**

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

HTTP Status Code: 500

## **MalformedHttpRequestException**

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

HTTP Status Code: 400

## **NotAuthorized**

You do not have permission to perform this action.

HTTP Status Code: 401

## **OptInRequired**

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



HTTP Status Code: 403

### **RequestAbortedException**

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

HTTP Status Code: 400

### **RequestEntityTooLargeException**

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

HTTP Status Code: 413

### **RequestExpired**

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

HTTP Status Code: 400

### **RequestTimeoutException**

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

HTTP Status Code: 408

### **ServiceUnavailable**

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

HTTP Status Code: 503

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **UnrecognizedClientException**

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

HTTP Status Code: 403

**UnknownOperationException**

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

HTTP Status Code: 404

**ValidationError**

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

HTTP Status Code: 400