



Amazon Nova Act API Reference

Amazon Nova Act



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Amazon Nova Act: Amazon Nova Act API Reference

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Welcome

The Nova Act service provides a REST API for managing AI-powered workflow automation. It enables users to create workflow definitions, execute workflow runs, manage sessions, and orchestrate acts (individual AI tasks) with tool integrations.

This document was last published on April 10, 2026.

Actions

The following actions are supported:

- [CreateAct](#)
- [CreateSession](#)
- [CreateWorkflowDefinition](#)
- [CreateWorkflowRun](#)
- [DeleteWorkflowDefinition](#)
- [DeleteWorkflowRun](#)
- [GetWorkflowDefinition](#)
- [GetWorkflowRun](#)
- [InvokeActStep](#)
- [ListActs](#)
- [ListModels](#)
- [ListSessions](#)
- [ListWorkflowDefinitions](#)
- [ListWorkflowRuns](#)
- [UpdateAct](#)
- [UpdateWorkflowRun](#)

CreateAct

Creates a new AI task (act) within a session that can interact with tools and perform specific actions.

Request Syntax

```
PUT /workflow-definitions/workflowDefinitionName/workflow-runs/workflowRunId/
sessions/sessionId/acts HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "task": "string",
  "toolSpecs": [
    {
      "description": "string",
      "inputSchema": { ... },
      "name": "string"
    }
  ]
}
```

URI Request Parameters

The request uses the following URI parameters.

sessionId

The unique identifier of the session to create the act in.

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

Required: Yes

workflowDefinitionName

The name of the workflow definition containing the session.

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

Pattern: `[a-zA-Z0-9_-]{1,40}`

Required: Yes

workflowRunId

The unique identifier of the workflow run containing the session.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

task

The task description that defines what the act should accomplish.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10000.

Required: Yes

toolSpecs

A list of tool specifications that the act can invoke to complete its task.

Type: Array of [ToolSpec](#) objects

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

Required: No

Response Syntax

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

{
  "actId": "string",
  "status": "string"
}
```

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.

actId

The unique identifier for the created act.

Type: String

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

status

The initial status of the act after creation.

Type: String

Valid Values: RUNNING | PENDING_CLIENT_ACTION | PENDING_HUMAN_ACTION | SUCCEEDED | FAILED | TIMED_OUT

Errors

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

AccessDeniedException

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

[ConflictException](#)

The request could not be completed due to a conflict with the current state of the resource.

message

The requested operation conflicts with the current state of the resource.

resourceId

The identifier of the resource that caused the conflict.

resourceType

The type of resource that caused the conflict.

HTTP Status Code: 409

[InternalServerErrorException](#)

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

[ResourceNotFoundException](#)

The requested resource was not found.

message

The specified resource was not found.

resourceId

The identifier of the resource that wasn't found.

resourceType

The type of resource that wasn't found.

HTTP Status Code: 404

[ServiceQuotaExceededException](#)

The request would exceed a service quota limit.

message

The request would exceed one or more service quotas for your account.

quotaCode

The code for the specific quota that was exceeded.

resourceId

The identifier of the resource that exceeded the quota.

resourceType

The type of resource that exceeded the quota.

serviceCode

The service code for the quota that was exceeded.

HTTP Status Code: 402

[ThrottlingException](#)

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

ValidationException

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

CreateSession

Creates a new session context within a workflow run to manage conversation state and acts.

Request Syntax

```
PUT /workflow-definitions/workflowDefinitionName/workflow-runs/workflowRunId/sessions
HTTP/1.1
Content-type: application/json

{
  "clientToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

workflowDefinitionName

The name of the workflow definition containing the workflow run.

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

Pattern: `[a-zA-Z0-9_-]{1,40}`

Required: Yes

workflowRunId

The unique identifier of the workflow run to create the session in.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

Response Syntax

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

{
  "sessionId": "string"
}
```

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.

sessionId

The unique identifier for the created session.

Type: String

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

Errors

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

AccessDeniedException

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

[ConflictException](#)

The request could not be completed due to a conflict with the current state of the resource.

message

The requested operation conflicts with the current state of the resource.

resourceId

The identifier of the resource that caused the conflict.

resourceType

The type of resource that caused the conflict.

HTTP Status Code: 409

[InternalServerError](#)

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

[ResourceNotFoundException](#)

The requested resource was not found.

message

The specified resource was not found.

resourceId

The identifier of the resource that wasn't found.

resourceType

The type of resource that wasn't found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would exceed a service quota limit.

message

The request would exceed one or more service quotas for your account.

quotaCode

The code for the specific quota that was exceeded.

resourceId

The identifier of the resource that exceeded the quota.

resourceType

The type of resource that exceeded the quota.

serviceCode

The service code for the quota that was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

ValidationException

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

CreateWorkflowDefinition

Creates a new workflow definition template that can be used to execute multiple workflow runs.

Request Syntax

```
PUT /workflow-definitions HTTP/1.1
Content-type: application/json

{
  "clientToken": "string",
  "description": "string",
  "exportConfig": {
    "s3BucketName": "string",
    "s3KeyPrefix": "string"
  },
  "name": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

description

An optional description of the workflow definition's purpose and functionality.

Type: String

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

Required: No

exportConfig

Configuration for exporting workflow execution data to Amazon Simple Storage Service.

Type: [WorkflowExportConfig](#) object

Required: No

name

The name of the workflow definition. Must be unique within your account and region.

Type: String

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

Pattern: `[a-zA-Z0-9_-]{1,40}`

Required: Yes

Response Syntax

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

{
  "status": "string"
}
```

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.

status

The current status of the workflow definition after creation.

Type: String

Valid Values: ACTIVE | DELETING

Errors

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

[AccessDeniedException](#)

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

[ConflictException](#)

The request could not be completed due to a conflict with the current state of the resource.

message

The requested operation conflicts with the current state of the resource.

resourceId

The identifier of the resource that caused the conflict.

resourceType

The type of resource that caused the conflict.

HTTP Status Code: 409

[InternalServerErrorException](#)

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ServiceQuotaExceededException

The request would exceed a service quota limit.

message

The request would exceed one or more service quotas for your account.

quotaCode

The code for the specific quota that was exceeded.

resourceId

The identifier of the resource that exceeded the quota.

resourceType

The type of resource that exceeded the quota.

serviceCode

The service code for the quota that was exceeded.

HTTP Status Code: 402

ThrottlingException

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

ValidationException

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

CreateWorkflowRun

Creates a new execution instance of a workflow definition with specified parameters.

Request Syntax

```
PUT /workflow-definitions/workflowDefinitionName/workflow-runs HTTP/1.1
Content-type: application/json
```

```
{
  "clientInfo": {
    "compatibilityVersion": number,
    "sdkVersion": "string"
  },
  "clientToken": "string",
  "logGroupName": "string",
  "modelId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

workflowDefinitionName

The name of the workflow definition to execute.

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

Pattern: [a-zA-Z0-9_-]{1,40}

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientInfo

Information about the client making the request, including compatibility version and SDK version.

Type: [ClientInfo](#) object

Required: Yes

[clientToken](#)

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Minimum length of 33. Maximum length of 256.

Pattern: `[a-zA-Z0-9](-*[a-zA-Z0-9]){0,256}`

Required: No

[logGroupName](#)

The CloudWatch log group name for storing workflow execution logs.

Type: String

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

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

Required: No

[modelId](#)

The ID of the AI model to use for workflow execution.

Type: String

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

Required: Yes

Response Syntax

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

{
```

```
"status": "string",  
"workflowRunId": "string"  
}
```

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.

[status](#)

The initial status of the workflow run after creation.

Type: String

Valid Values: RUNNING | SUCCEEDED | FAILED | TIMED_OUT | DELETING

[workflowRunId](#)

The unique identifier for the created workflow run.

Type: String

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

Errors

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

[AccessDeniedException](#)

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

[ConflictException](#)

The request could not be completed due to a conflict with the current state of the resource.

message

The requested operation conflicts with the current state of the resource.

resourceId

The identifier of the resource that caused the conflict.

resourceType

The type of resource that caused the conflict.

HTTP Status Code: 409

[InternalServerErrorException](#)

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

[ResourceNotFoundException](#)

The requested resource was not found.

message

The specified resource was not found.

resourceId

The identifier of the resource that wasn't found.

resourceType

The type of resource that wasn't found.

HTTP Status Code: 404

[ThrottlingException](#)

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

[ValidationException](#)

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

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

DeleteWorkflowDefinition

Deletes a workflow definition and all associated resources. This operation cannot be undone.

Request Syntax

```
DELETE /workflow-definitions/workflowDefinitionName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

workflowDefinitionName

The name of the workflow definition to delete.

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

Pattern: [a-zA-Z0-9_-]{1,40}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
  "status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

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

status

The status of the workflow definition after deletion request.

Type: String

Valid Values: ACTIVE | DELETING

Errors

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

AccessDeniedException

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

ConflictException

The request could not be completed due to a conflict with the current state of the resource.

message

The requested operation conflicts with the current state of the resource.

resourceId

The identifier of the resource that caused the conflict.

resourceType

The type of resource that caused the conflict.

HTTP Status Code: 409

InternalServerError

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

message

The specified resource was not found.

resourceId

The identifier of the resource that wasn't found.

resourceType

The type of resource that wasn't found.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

ValidationException

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

DeleteWorkflowRun

Terminates and cleans up a workflow run, stopping all associated acts and sessions.

Request Syntax

```
DELETE /workflow-definitions/workflowDefinitionName/workflow-runs/workflowRunId
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

workflowDefinitionName

The name of the workflow definition containing the workflow run.

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

Pattern: `[a-zA-Z0-9_-]{1,40}`

Required: Yes

workflowRunId

The unique identifier of the workflow run to delete.

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 202
Content-type: application/json
```

```
{  
  "status": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response.

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

status

The status of the workflow run after deletion request.

Type: String

Valid Values: RUNNING | SUCCEEDED | FAILED | TIMED_OUT | DELETING

Errors

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

AccessDeniedException

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

ConflictException

The request could not be completed due to a conflict with the current state of the resource.

message

The requested operation conflicts with the current state of the resource.

resourceId

The identifier of the resource that caused the conflict.

resourceType

The type of resource that caused the conflict.

HTTP Status Code: 409

[InternalServerErrorException](#)

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

[ResourceNotFoundException](#)

The requested resource was not found.

message

The specified resource was not found.

resourceId

The identifier of the resource that wasn't found.

resourceType

The type of resource that wasn't found.

HTTP Status Code: 404

[ThrottlingException](#)

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

ValidationException

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

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

GetWorkflowDefinition

Retrieves the details and configuration of a specific workflow definition.

Request Syntax

```
GET /workflow-definitions/workflowDefinitionName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

workflowDefinitionName

The name of the workflow definition to retrieve.

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

Pattern: `[a-zA-Z0-9_-]{1,40}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{  
  "arn": "string",  
  "createdAt": "string",  
  "description": "string",  
  "exportConfig": {  
    "s3BucketName": "string",  
    "s3KeyPrefix": "string"  
  },  
  "name": "string",
```

```
"status": "string"  
}
```

Response Elements

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

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

[arn](#)

The Amazon Resource Name (ARN) of the workflow definition.

Type: String

Pattern: `arn:(aws|aws-cn|aws-us-gov):nova-act:[a-z0-9-]+:[0-9]{12}:workflow-definition/[a-zA-Z0-9_-]{1,40}`

[createdAt](#)

The timestamp when the workflow definition was created.

Type: Timestamp

[description](#)

The description of the workflow definition.

Type: String

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

[exportConfig](#)

The export configuration for the workflow definition.

Type: [WorkflowExportConfig](#) object

[name](#)

The name of the workflow definition.

Type: String

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

Pattern: [a-zA-Z0-9_-]{1,40}

status

The current status of the workflow definition.

Type: String

Valid Values: ACTIVE | DELETING

Errors

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

AccessDeniedException

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

InternalServerError

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

message

The specified resource was not found.

resourceId

The identifier of the resource that wasn't found.

resourceType

The type of resource that wasn't found.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

ValidationException

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

GetWorkflowRun

Retrieves the current state, configuration, and execution details of a workflow run.

Request Syntax

```
GET /workflow-definitions/workflowDefinitionName/workflow-runs/workflowRunId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

workflowDefinitionName

The name of the workflow definition containing the workflow run.

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

Pattern: `[a-zA-Z0-9_-]{1,40}`

Required: Yes

workflowRunId

The unique identifier of the workflow run to retrieve.

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
```

```
"endedAt": "string",
"logGroupName": "string",
"modelId": "string",
"startedAt": "string",
"status": "string",
"workflowRunArn": "string",
"workflowRunId": "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.

endedAt

The timestamp when the workflow run completed execution, if applicable.

Type: Timestamp

logGroupName

The CloudWatch log group name for this workflow run's logs.

Type: String

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

Pattern: [a-zA-Z0-9_/.-]+

modelId

The ID of the AI model being used for this workflow run.

Type: String

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

startedAt

The timestamp when the workflow run started execution.

Type: Timestamp

status

The current execution status of the workflow run.

Type: String

Valid Values: RUNNING | SUCCEEDED | FAILED | TIMED_OUT | DELETING

workflowRunArn

The Amazon Resource Name (ARN) of the workflow run.

Type: String

Pattern: arn:(aws|aws-cn|aws-us-gov):nova-act:[a-z0-9-]+:[0-9]{12}:workflow-definition/[a-zA-Z0-9_-]{1,40}/workflow-run/[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

workflowRunId

The unique identifier of the workflow run.

Type: String

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

Errors

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

AccessDeniedException

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

ConflictException

The request could not be completed due to a conflict with the current state of the resource.

message

The requested operation conflicts with the current state of the resource.

resourceId

The identifier of the resource that caused the conflict.

resourceType

The type of resource that caused the conflict.

HTTP Status Code: 409

[InternalServerErrorException](#)

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

[ResourceNotFoundException](#)

The requested resource was not found.

message

The specified resource was not found.

resourceId

The identifier of the resource that wasn't found.

resourceType

The type of resource that wasn't found.

HTTP Status Code: 404

[ThrottlingException](#)

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

[ValidationException](#)

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

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

InvokeActStep

Executes the next step of an act, processing tool call results and returning new tool calls if needed.

Request Syntax

```
PUT /workflow-definitions/workflowDefinitionName/workflow-runs/workflowRunId/
sessions/sessionId/acts/actId/invoke-step/ HTTP/1.1
Content-type: application/json
```

```
{
  "callResults": [
    {
      "callId": "string",
      "content": [
        { ... }
      ]
    }
  ],
  "previousStepId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

actId

The unique identifier of the act to invoke the next step for.

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

Required: Yes

sessionId

The unique identifier of the session containing the act.

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

Required: Yes

workflowDefinitionName

The name of the workflow definition containing the act.

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

Pattern: `[a-zA-Z0-9_-]{1,40}`

Required: Yes

workflowRunId

The unique identifier of the workflow run containing the act.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

callResults

The results from previous tool calls that the act requested.

Type: Array of [CallResult](#) objects

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

Required: Yes

previousStepId

The identifier of the previous step, used for tracking execution flow.

Type: String

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

Required: No

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "calls": [
    {
      "callId": "string",
      "input": JSON value,
      "name": "string"
    }
  ],
  "stepId": "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.

calls

A list of tool calls that the act wants to execute in this step.

Type: Array of [Call](#) objects

stepId

The unique identifier for this execution step.

Type: String

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

Errors

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

AccessDeniedException

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

[ConflictException](#)

The request could not be completed due to a conflict with the current state of the resource.

message

The requested operation conflicts with the current state of the resource.

resourceId

The identifier of the resource that caused the conflict.

resourceType

The type of resource that caused the conflict.

HTTP Status Code: 409

[InternalServerError](#)

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

[ResourceNotFoundException](#)

The requested resource was not found.

message

The specified resource was not found.

resourceId

The identifier of the resource that wasn't found.

resourceType

The type of resource that wasn't found.

HTTP Status Code: 404

[ServiceQuotaExceededException](#)

The request would exceed a service quota limit.

message

The request would exceed one or more service quotas for your account.

quotaCode

The code for the specific quota that was exceeded.

resourceId

The identifier of the resource that exceeded the quota.

resourceType

The type of resource that exceeded the quota.

serviceCode

The service code for the quota that was exceeded.

HTTP Status Code: 402

[ThrottlingException](#)

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

ValidationException

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

ListActs

Lists all acts within a specific session with their current status and execution details.

Request Syntax

```
POST /workflow-definitions/workflowDefinitionName/acts?
maxResults=maxResults&nextToken=nextToken&sessionId=sessionId&workflowRunId=workflowRunId
HTTP/1.1
Content-type: application/json

{
  "sortOrder": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of acts to return in a single response.

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

nextToken

The token for retrieving the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

sessionId

The unique identifier of the session to list acts for.

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

workflowDefinitionName

The name of the workflow definition containing the session.

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

Pattern: [a-zA-Z0-9_-]{1,40}

Required: Yes

workflowRunId

The unique identifier of the workflow run containing the session.

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

Request Body

The request accepts the following data in JSON format.

sortOrder

The sort order for the returned acts (ascending or descending).

Type: String

Valid Values: Ascending | Descending

Required: No

Response Syntax

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

{
  "actSummaries": [
    {
      "actId": "string",
      "endedAt": "string",
      "sessionId": "string",
      "startedAt": "string",
      "status": "string",
      "traceLocation": {
        "location": "string",
        "locationType": "string"
      },
      "workflowRunId": "string"
    }
  ]
}
```

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

Response Elements

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

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

actSummaries

A list of summary information for acts in the session.

Type: Array of [ActSummary](#) objects

nextToken

The token for retrieving the next page of results, if available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Errors

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

AccessDeniedException

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

ConflictException

The request could not be completed due to a conflict with the current state of the resource.

message

The requested operation conflicts with the current state of the resource.

resourceId

The identifier of the resource that caused the conflict.

resourceType

The type of resource that caused the conflict.

HTTP Status Code: 409

[InternalServerErrorException](#)

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

[ResourceNotFoundException](#)

The requested resource was not found.

message

The specified resource was not found.

resourceId

The identifier of the resource that wasn't found.

resourceType

The type of resource that wasn't found.

HTTP Status Code: 404

[ThrottlingException](#)

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

[ValidationException](#)

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

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

ListModels

Lists all available AI models that can be used for workflow execution, including their status and compatibility information.

Request Syntax

```
POST /models?clientCompatibilityVersion=clientCompatibilityVersion HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientCompatibilityVersion

The client compatibility version to filter models by compatibility.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "compatibilityInformation": {
    "clientCompatibilityVersion": number,
    "message": "string",
    "supportedModelIds": [ "string" ]
  },
  "modelAliases": [
    {
      "aliasName": "string",
      "latestModelId": "string",
      "resolvedModelId": "string"
    }
  ]
}
```

```
],
  "modelSummaries": [
    {
      "minimumCompatibilityVersion": number,
      "modelId": "string",
      "modelLifecycle": {
        "status": "string"
      }
    }
  ]
}
```

Response Elements

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

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

[compatibilityInformation](#)

Information about client compatibility and supported models.

Type: [CompatibilityInformation](#) object

[modelAliases](#)

A list of model aliases that provide stable references to model versions.

Type: Array of [ModelAlias](#) objects

[modelSummaries](#)

A list of available AI models with their status and compatibility information.

Type: Array of [ModelSummary](#) objects

Errors

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

[AccessDeniedException](#)

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

InternalServerError

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

See Also

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

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

ListSessions

Lists all sessions within a specific workflow run.

Request Syntax

```
POST /workflow-definitions/workflowDefinitionName/workflow-runs/workflowRunId?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1  
Content-type: application/json
```

```
{  
  "sortOrder": "string"  
}
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of sessions to return in a single response.

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

nextToken

The token for retrieving the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

workflowDefinitionName

The name of the workflow definition containing the workflow run.

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

Pattern: `[a-zA-Z0-9_-]{1,40}`

Required: Yes

workflowRunId

The unique identifier of the workflow run to list sessions for.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

sortOrder

The sort order for the returned sessions (ascending or descending).

Type: String

Valid Values: Ascending | Descending

Required: No

Response Syntax

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

{
  "nextToken": "string",
  "sessionSummaries": [
    {
      "sessionId": "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 for retrieving the next page of results, if available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

sessionSummaries

A list of summary information for sessions in the workflow run.

Type: Array of [SessionSummary](#) objects

Errors

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

AccessDeniedException

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

ConflictException

The request could not be completed due to a conflict with the current state of the resource.

message

The requested operation conflicts with the current state of the resource.

resourceId

The identifier of the resource that caused the conflict.

resourceType

The type of resource that caused the conflict.

HTTP Status Code: 409

InternalServerErrorException

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource was not found.

message

The specified resource was not found.

resourceId

The identifier of the resource that wasn't found.

resourceType

The type of resource that wasn't found.

HTTP Status Code: 404

ThrottlingException

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

ValidationException

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

ListWorkflowDefinitions

Lists all workflow definitions in your account with optional filtering and pagination.

Request Syntax

```
POST /workflow-definitions?maxResults=maxResults&nextToken=nextToken HTTP/1.1  
Content-type: application/json
```

```
{  
  "sortOrder": "string"  
}
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of workflow definitions to return in a single response.

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

nextToken

The token for retrieving the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request accepts the following data in JSON format.

sortOrder

The sort order for the returned workflow definitions (ascending or descending).

Type: String

Valid Values: Ascending | Descending

Required: No

Response Syntax

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

{
  "nextToken": "string",
  "workflowDefinitionSummaries": [
    {
      "createdAt": "string",
      "status": "string",
      "workflowDefinitionArn": "string",
      "workflowDefinitionName": "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 for retrieving the next page of results, if available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

workflowDefinitionSummaries

A list of summary information for workflow definitions.

Type: Array of [WorkflowDefinitionSummary](#) objects

Errors

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

[AccessDeniedException](#)

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

[InternalServerError](#)

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

[ThrottlingException](#)

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

ValidationException

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

ListWorkflowRuns

Lists all workflow runs for a specific workflow definition with optional filtering and pagination.

Request Syntax

```
POST /workflow-definitions/workflowDefinitionName/workflow-runs?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1  
Content-type: application/json
```

```
{  
  "sortOrder": "string"  
}
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of workflow runs to return in a single response.

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

nextToken

The token for retrieving the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S*`

workflowDefinitionName

The name of the workflow definition to list workflow runs for.

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

Pattern: `[a-zA-Z0-9_-]{1,40}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

sortOrder

The sort order for the returned workflow runs (ascending or descending).

Type: String

Valid Values: Ascending | Descending

Required: No

Response Syntax

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

{
  "nextToken": "string",
  "workflowRunSummaries": [
    {
      "endedAt": "string",
      "startedAt": "string",
      "status": "string",
      "traceLocation": {
        "location": "string",
        "locationType": "string"
      },
      "workflowRunArn": "string",
      "workflowRunId": "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 for retrieving the next page of results, if available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S*

workflowRunSummaries

A list of summary information for workflow runs.

Type: Array of [WorkflowRunSummary](#) objects

Errors

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

AccessDeniedException

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

ConflictException

The request could not be completed due to a conflict with the current state of the resource.

message

The requested operation conflicts with the current state of the resource.

resourceId

The identifier of the resource that caused the conflict.

resourceType

The type of resource that caused the conflict.

HTTP Status Code: 409

[InternalServerErrorException](#)

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

[ResourceNotFoundException](#)

The requested resource was not found.

message

The specified resource was not found.

resourceId

The identifier of the resource that wasn't found.

resourceType

The type of resource that wasn't found.

HTTP Status Code: 404

[ThrottlingException](#)

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

ValidationException

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

- [AWS SDK for Ruby V3](#)

UpdateAct

Updates an existing act's configuration, status, or error information.

Request Syntax

```
PUT /workflow-definitions/workflowDefinitionName/workflow-runs/workflowRunId/
sessions/sessionId/acts/actId HTTP/1.1
Content-type: application/json
```

```
{
  "error": {
    "message": "string",
    "type": "string"
  },
  "status": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

actId

The unique identifier of the act to update.

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

Required: Yes

sessionId

The unique identifier of the session containing the act.

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

Required: Yes

workflowDefinitionName

The name of the workflow definition containing the act.

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

Pattern: `[a-zA-Z0-9_-]{1,40}`

Required: Yes

workflowRunId

The unique identifier of the workflow run containing the act.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

error

Error information to associate with the act, if applicable.

Type: [ActError](#) object

Required: No

status

The new status to set for the act.

Type: String

Valid Values: `RUNNING` | `PENDING_CLIENT_ACTION` | `PENDING_HUMAN_ACTION` | `SUCCEEDED` | `FAILED` | `TIMED_OUT`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

[AccessDeniedException](#)

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

[ConflictException](#)

The request could not be completed due to a conflict with the current state of the resource.

message

The requested operation conflicts with the current state of the resource.

resourceId

The identifier of the resource that caused the conflict.

resourceType

The type of resource that caused the conflict.

HTTP Status Code: 409

[InternalServerError](#)

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

[ResourceNotFoundException](#)

The requested resource was not found.

message

The specified resource was not found.

resourceId

The identifier of the resource that wasn't found.

resourceType

The type of resource that wasn't found.

HTTP Status Code: 404

[ThrottlingException](#)

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

[ValidationException](#)

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

UpdateWorkflowRun

Updates the configuration or state of an active workflow run.

Request Syntax

```
PUT /workflow-definitions/workflowDefinitionName/workflow-runs/workflowRunId HTTP/1.1  
Content-type: application/json
```

```
{  
  "status": "string"  
}
```

URI Request Parameters

The request uses the following URI parameters.

workflowDefinitionName

The name of the workflow definition containing the workflow run.

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

Pattern: `[a-zA-Z0-9_-]{1,40}`

Required: Yes

workflowRunId

The unique identifier of the workflow run to update.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

status

The new status to set for the workflow run.

Type: String

Valid Values: RUNNING | SUCCEEDED | FAILED | TIMED_OUT | DELETING

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

[AccessDeniedException](#)

You don't have sufficient permissions to perform this action.

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

HTTP Status Code: 403

[ConflictException](#)

The request could not be completed due to a conflict with the current state of the resource.

message

The requested operation conflicts with the current state of the resource.

resourceId

The identifier of the resource that caused the conflict.

resourceType

The type of resource that caused the conflict.

HTTP Status Code: 409

[InternalServerErrorException](#)

An internal server error occurred. Please try again later.

message

The service encountered an internal error. Try again later.

reason

The reason for the internal server error.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 500

[ResourceNotFoundException](#)

The requested resource was not found.

message

The specified resource was not found.

resourceId

The identifier of the resource that wasn't found.

resourceType

The type of resource that wasn't found.

HTTP Status Code: 404

[ThrottlingException](#)

The request was throttled due to too many requests. Please try again later.

message

The request was denied due to request throttling.

quotaCode

The quota code related to the throttling.

retryAfterSeconds

The number of seconds to wait before retrying the throttled request.

serviceCode

The service code where throttling occurred.

HTTP Status Code: 429

ValidationException

The input parameters for the request are invalid.

fieldList

The list of fields that failed validation.

message

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

reason

The reason for the validation failure.

HTTP Status Code: 400

See Also

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

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

- [AWS SDK for Ruby V3](#)

Data Types

The Nova Act Service API contains several data types that various actions use. This section describes each data type in detail.

Note

The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- [ActError](#)
- [ActSummary](#)
- [Call](#)
- [CallResult](#)
- [CallResultContent](#)
- [ClientInfo](#)
- [CompatibilityInformation](#)
- [ModelAlias](#)
- [ModelLifecycle](#)
- [ModelSummary](#)
- [SessionSummary](#)
- [ToolInputSchema](#)
- [ToolSpec](#)
- [TraceLocation](#)
- [ValidationExceptionField](#)
- [WorkflowDefinitionSummary](#)
- [WorkflowExportConfig](#)
- [WorkflowRunSummary](#)

ActError

Error information when an act fails to execute successfully.

Contents

message

A human-readable description of the error that occurred.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10000.

Required: Yes

type

The type or category of error that occurred.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 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](#)

ActSummary

Summary information about an act, including its status and execution timing.

Contents

actId

The unique identifier of the act.

Type: String

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

Required: Yes

sessionId

The unique identifier of the session containing this act.

Type: String

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

Required: Yes

startedAt

The timestamp when the act started execution.

Type: Timestamp

Required: Yes

status

The current execution status of the act.

Type: String

Valid Values: RUNNING | PENDING_CLIENT_ACTION | PENDING_HUMAN_ACTION | SUCCEEDED | FAILED | TIMED_OUT

Required: Yes

workflowRunId

The unique identifier of the workflow run containing this act.

Type: String

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

Required: Yes

endedAt

The timestamp when the act completed execution, if applicable.

Type: Timestamp

Required: No

traceLocation

The location where trace information for this act is stored.

Type: [TraceLocation](#) 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](#)

Call

A request for the client to execute a specific tool with given parameters.

Contents

callId

A unique identifier for this tool call, used to match results back to requests.

Type: String

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

Required: Yes

input

The input parameters for the tool call, formatted according to the tool's schema.

Type: JSON value

Required: Yes

name

The name of the tool to invoke, following the pattern 'tool.{toolName}' or 'browser.{browserAction}'.

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](#)

CallResult

The result returned from executing a tool call.

Contents

content

The content returned by the tool execution, which can include text or other media types.

Type: Array of [CallResultContent](#) objects

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

Required: Yes

callId

The identifier of the tool call that this result corresponds to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 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](#)

CallResultContent

Content returned from a tool call execution.

Contents

Important

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

text

Text content returned from the tool execution.

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](#)

ClientInfo

Information about the client making API requests, used for compatibility checking.

Contents

compatibilityVersion

The compatibility version of the client, used to ensure API compatibility.

Type: Integer

Required: Yes

sdkVersion

The version of the SDK being used by the client.

Type: String

Pattern: `[\s\S]+`

Required: No

See Also

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

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

CompatibilityInformation

Information about client compatibility and supported model versions.

Contents

clientCompatibilityVersion

The client compatibility version that was requested.

Type: Integer

Required: Yes

supportedModelIds

A list of model IDs that are supported for the client compatibility version.

Type: Array of strings

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

Required: Yes

message

Additional information about compatibility requirements or recommendations.

Type: String

Pattern: `[\s\S]+`

Required: No

See Also

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

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

ModelAlias

An alias that provides a stable reference to a model version.

Contents

aliasName

The name of the model alias.

Type: String

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

Required: Yes

latestModelId

The model ID that this alias currently points to.

Type: String

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

Required: Yes

resolvedModelId

The resolved model ID after alias resolution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 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](#)

ModelLifecycle

Lifecycle information for an AI model.

Contents

status

The current lifecycle status of the model.

Type: String

Valid Values: ACTIVE | LEGACY | DEPRECATED | PREVIEW

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](#)

ModelSummary

Summary information about an available AI model.

Contents

minimumCompatibilityVersion

The minimum client compatibility version required to use this model.

Type: Integer

Required: Yes

modelId

The unique identifier of the model.

Type: String

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

Required: Yes

modelLifecycle

The lifecycle information for the model.

Type: [ModelLifecycle](#) 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](#)

SessionSummary

Summary information about a session within a workflow run.

Contents

sessionId

The unique identifier of the session.

Type: String

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

Required: Yes

See Also

For 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](#)

ToolInputSchema

The schema definition for tool input parameters.

Contents

Important

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

json

The JSON schema that defines the expected input format for the tool.

Type: JSON value

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](#)

ToolSpec

Specification for a tool that acts can invoke, including its name, description, and input schema.

Contents

description

A description of what the tool does and how it should be used.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10000.

Required: Yes

inputSchema

The JSON schema that defines the expected input format for the tool.

Type: [ToolInputSchema](#) object

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

Required: Yes

name

The unique name of the tool that acts will use to invoke it.

Type: String

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

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

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](#)

TraceLocation

Information about where trace data is stored for debugging and monitoring.

Contents

location

The specific location where the trace data is stored.

Type: String

Pattern: `[\s\S]+`

Required: Yes

locationType

The type of storage location for the trace data.

Type: String

Valid Values: S3

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](#)

ValidationExceptionField

Information about a field that failed validation.

Contents

message

A description of the validation error for this field.

Type: String

Pattern: `[\s\S]+`

Required: Yes

name

The name of the field that failed validation.

Type: String

Pattern: `[\s\S]+`

Required: Yes

See Also

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

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

WorkflowDefinitionSummary

Summary information about a workflow definition, used in list operations.

Contents

createdAt

The timestamp when the workflow definition was created.

Type: Timestamp

Required: Yes

status

The current status of the workflow definition.

Type: String

Valid Values: ACTIVE | DELETING

Required: Yes

workflowDefinitionArn

The Amazon Resource Name (ARN) of the workflow definition.

Type: String

Pattern: `arn:(aws|aws-cn|aws-us-gov):nova-act:[a-z0-9-]+:[0-9]{12}:workflow-definition/[a-zA-Z0-9_-]{1,40}`

Required: Yes

workflowDefinitionName

The name of the workflow definition.

Type: String

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

Pattern: `[a-zA-Z0-9_-]{1,40}`

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](#)

WorkflowExportConfig

Configuration settings for exporting workflow execution data and logs to Amazon Simple Storage Service (Amazon S3).

Contents

s3BucketName

The name of your Amazon S3 bucket, that Nova Act uses to export your workflow data. Note that the IAM role used to access Nova Act must also have write permissions to this bucket.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `[a-z0-9][a-z0-9.-]*[a-z0-9]`

Required: Yes

s3KeyPrefix

An optional prefix for Amazon S3 object keys to organize exported data.

Type: String

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

Pattern: `[a-zA-Z0-9!\-_.*'()+](?:/[a-zA-Z0-9!\-_.*'()+])*`

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](#)

WorkflowRunSummary

Summary information about a workflow run, including execution status and timing.

Contents

startedAt

The timestamp when the workflow run started execution.

Type: Timestamp

Required: Yes

status

The current execution status of the workflow run.

Type: String

Valid Values: RUNNING | SUCCEEDED | FAILED | TIMED_OUT | DELETING

Required: Yes

workflowRunArn

The Amazon Resource Name (ARN) of the workflow run.

Type: String

Pattern: `arn:(aws|aws-cn|aws-us-gov):nova-act:[a-z0-9-]+:[0-9]{12}:workflow-definition/[a-zA-Z0-9_-]{1,40}/workflow-run/[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

workflowRunId

The unique identifier of the workflow run.

Type: String

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

Required: Yes

endedAt

The timestamp when the workflow run completed execution, if applicable.

Type: Timestamp

Required: No

traceLocation

The location where trace information for this workflow run is stored.

Type: [TraceLocation](#) 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](#)

Service-specific Errors

The Nova Act Service API contains service-specific exceptions that various actions return. This section describes each exception in detail.

The following service-specific exceptions are returned:

- [AccessDeniedException](#)
- [ConflictException](#)
- [InternalServerError](#)
- [ResourceNotFoundException](#)
- [ServiceQuotaExceededException](#)
- [ThrottlingException](#)
- [ValidationException](#)

AccessDeniedException

You don't have sufficient permissions to perform this action.

HTTP Status Code returned: 403

Contents

message

You don't have sufficient permissions to perform this action. Verify your IAM permissions and try again.

Type: String

Pattern: `[\s\S]+`

Required: Yes

See Also

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

- [AWS SDK for Ruby V3](#)

ConflictException

The request could not be completed due to a conflict with the current state of the resource.

HTTP Status Code returned: 409

Contents

message

The requested operation conflicts with the current state of the resource.

Type: String

Pattern: `[\s\S]+`

Required: Yes

resourceId

The identifier of the resource that caused the conflict.

Type: String

Pattern: `[\s\S]+`

Required: Yes

resourceType

The type of resource that caused the conflict.

Type: String

Pattern: `[\s\S]+`

Required: Yes

See Also

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

- [AWS SDK for Ruby V3](#)

InternalServerErrorException

An internal server error occurred. Please try again later.

HTTP Status Code returned: 500

Contents

message

The service encountered an internal error. Try again later.

Type: String

Pattern: `[\s\S]+`

Required: Yes

reason

The reason for the internal server error.

Type: String

Valid Values: `InvalidModelGeneration` | `RequestTokenLimitExceeded`

Required: No

Retry-After

The number of seconds to wait before retrying the request.

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 Ruby V3](#)

ResourceNotFoundException

The requested resource was not found.

HTTP Status Code returned: 404

Contents

message

The specified resource was not found.

Type: String

Pattern: `[\s\S]+`

Required: Yes

resourceId

The identifier of the resource that wasn't found.

Type: String

Pattern: `[\s\S]+`

Required: Yes

resourceType

The type of resource that wasn't found.

Type: String

Pattern: `[\s\S]+`

Required: Yes

See Also

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

- [AWS SDK for Ruby V3](#)

ServiceQuotaExceededException

The request would exceed a service quota limit.

HTTP Status Code returned: 402

Contents

message

The request would exceed one or more service quotas for your account.

Type: String

Pattern: `[\s\S]+`

Required: Yes

quotaCode

The code for the specific quota that was exceeded.

Type: String

Pattern: `[\s\S]+`

Required: Yes

resourceId

The identifier of the resource that exceeded the quota.

Type: String

Pattern: `[\s\S]+`

Required: Yes

resourceType

The type of resource that exceeded the quota.

Type: String

Pattern: `[\s\S]+`

Required: Yes

serviceCode

The service code for the quota that was exceeded.

Type: String

Pattern: `[\s\S]+`

Required: Yes

See Also

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

- [AWS SDK for Ruby V3](#)

ThrottlingException

The request was throttled due to too many requests. Please try again later.

HTTP Status Code returned: 429

Contents

message

The request was denied due to request throttling.

Type: String

Pattern: `[\s\S]+`

Required: Yes

quotaCode

The quota code related to the throttling.

Type: String

Pattern: `[\s\S]+`

Required: No

Retry-After

The number of seconds to wait before retrying the throttled request.

Type: Integer

Required: No

serviceCode

The service code where throttling occurred.

Type: String

Pattern: `[\s\S]+`

Required: No

See Also

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

- [AWS SDK for Ruby V3](#)

ValidationException

The input parameters for the request are invalid.

HTTP Status Code returned: 400

Contents

message

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

Type: String

Pattern: `[\s\S]+`

Required: Yes

reason

The reason for the validation failure.

Type: String

Valid Values: `FieldValidationFailed` | `InvalidStatus` | `GuardrailIntervened`

Required: Yes

fieldList

The list of fields that failed validation.

Type: Array of [ValidationExceptionField](#) 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 Ruby V3](#)

Common Parameters

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

X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

X-Amz-Credential

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

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

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

Type: string

Required: Conditional

X-Amz-Date

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

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

Type: string

Required: Conditional

X-Amz-Security-Token

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

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

Type: string

Required: Conditional

X-Amz-Signature

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

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

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

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

Type: string

Required: Conditional

Common Error Types

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

AccessDeniedException

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

HTTP Status Code: 403

ExpiredTokenException

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

HTTP Status Code: 403

IncompleteSignature

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

HTTP Status Code: 403

InternalFailure

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

HTTP Status Code: 500

MalformedHttpRequestException

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

HTTP Status Code: 400

NotAuthorized

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

HTTP Status Code: 401

OptInRequired

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

HTTP Status Code: 403

RequestAbortedException

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

HTTP Status Code: 400

RequestEntityTooLargeException

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

HTTP Status Code: 413

RequestTimeoutException

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

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

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

HTTP Status Code: 400

UnknownOperationException

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

HTTP Status Code: 404

UnrecognizedClientException

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

HTTP Status Code: 403

ValidationError

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

HTTP Status Code: 400