aws

API Reference

CodePipeline



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CodePipeline: API Reference

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Welcome

Overview

This is the AWS CodePipeline API Reference. This guide provides descriptions of the actions and data types for CodePipeline. Some functionality for your pipeline can only be configured through the API. For more information, see the AWS CodePipeline User Guide.

You can use the AWS CodePipeline API to work with pipelines, stages, actions, and transitions.

Pipelines are models of automated release processes. Each pipeline is uniquely named, and consists of stages, actions, and transitions.

You can work with pipelines by calling:

- CreatePipeline, which creates a uniquely named pipeline.
- DeletePipeline, which deletes the specified pipeline.
- GetPipeline, which returns information about the pipeline structure and pipeline metadata, including the pipeline Amazon Resource Name (ARN).
- GetPipelineExecution, which returns information about a specific execution of a pipeline.
- GetPipelineState, which returns information about the current state of the stages and actions of a pipeline.
- ListActionExecutions, which returns action-level details for past executions. The details include full stage and action-level details, including individual action duration, status, any errors that occurred during the execution, and input and output artifact location details.
- ListPipelines, which gets a summary of all of the pipelines associated with your account.
- ListPipelineExecutions, which gets a summary of the most recent executions for a pipeline.
- StartPipelineExecution, which runs the most recent revision of an artifact through the pipeline.
- StopPipelineExecution, which stops the specified pipeline execution from continuing through the pipeline.
- UpdatePipeline, which updates a pipeline with edits or changes to the structure of the pipeline.

Pipelines include *stages*. Each stage contains one or more actions that must complete before the next stage begins. A stage results in success or failure. If a stage fails, the pipeline stops at that stage and remains stopped until either a new version of an artifact appears in the source

location, or a user takes action to rerun the most recent artifact through the pipeline. You can call GetPipelineState, which displays the status of a pipeline, including the status of stages in the pipeline, or GetPipeline, which returns the entire structure of the pipeline, including the stages of that pipeline. For more information about the structure of stages and actions, see AWS CodePipeline Pipeline Structure Reference.

Pipeline stages include *actions* that are categorized into categories such as source or build actions performed in a stage of a pipeline. For example, you can use a source action to import artifacts into a pipeline from a source such as Amazon S3. Like stages, you do not work with actions directly in most cases, but you do define and interact with actions when working with pipeline operations such as CreatePipeline and GetPipelineState. Valid action categories are:

- Source
- Build
- Test
- Deploy
- Approval
- Invoke
- Compute

Pipelines also include *transitions*, which allow the transition of artifacts from one stage to the next in a pipeline after the actions in one stage complete.

You can work with transitions by calling:

- DisableStageTransition, which prevents artifacts from transitioning to the next stage in a pipeline.
- EnableStageTransition, which enables transition of artifacts between stages in a pipeline.

Using the API to integrate with AWS CodePipeline

For third-party integrators or developers who want to create their own integrations with CodePipeline, the expected sequence varies from the standard API user. To integrate with CodePipeline, developers need to work with the following items:

Jobs, which are instances of an action. For example, a job for a source action might import a revision of an artifact from a source.

You can work with jobs by calling:

- AcknowledgeJob, which confirms whether a job worker has received the specified job.
- GetJobDetails, which returns the details of a job.
- PollForJobs, which determines whether there are any jobs to act on.
- PutJobFailureResult, which provides details of a job failure.
- PutJobSuccessResult, which provides details of a job success.

Third party jobs, which are instances of an action created by a partner action and integrated into CodePipeline. Partner actions are created by members of the AWS Partner Network.

You can work with third party jobs by calling:

- AcknowledgeThirdPartyJob, which confirms whether a job worker has received the specified job.
- GetThirdPartyJobDetails, which requests the details of a job for a partner action.
- PollForThirdPartyJobs, which determines whether there are any jobs to act on.
- PutThirdPartyJobFailureResult, which provides details of a job failure.
- PutThirdPartyJobSuccessResult, which provides details of a job success.

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Actions

The following actions are supported:

- AcknowledgeJob
- AcknowledgeThirdPartyJob
- CreateCustomActionType
- CreatePipeline
- DeleteCustomActionType
- DeletePipeline
- DeleteWebhook
- DeregisterWebhookWithThirdParty
- DisableStageTransition
- EnableStageTransition
- GetActionType
- GetJobDetails
- GetPipeline
- GetPipelineExecution
- GetPipelineState
- GetThirdPartyJobDetails
- ListActionExecutions
- ListActionTypes
- ListDeployActionExecutionTargets
- ListPipelineExecutions
- ListPipelines
- ListRuleExecutions
- ListRuleTypes
- ListTagsForResource
- ListWebhooks
- OverrideStageCondition
- PollForJobs

- PollForThirdPartyJobs
- PutActionRevision
- PutApprovalResult
- PutJobFailureResult
- PutJobSuccessResult
- PutThirdPartyJobFailureResult
- PutThirdPartyJobSuccessResult
- PutWebhook
- RegisterWebhookWithThirdParty
- RetryStageExecution
- RollbackStage
- StartPipelineExecution
- StopPipelineExecution
- TagResource
- UntagResource
- UpdateActionType
- UpdatePipeline

AcknowledgeJob

Returns information about a specified job and whether that job has been received by the job worker. Used for custom actions only.

Request Syntax

```
{
   "jobId": "string",
   "nonce": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

jobId

The unique system-generated ID of the job for which you want to confirm receipt.

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

nonce

A system-generated random number that CodePipeline uses to ensure that the job is being worked on by only one job worker. Get this number from the response of the PollForJobs request that returned this job.

Type: String

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

Required: Yes

Response Syntax

```
{
   "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.

status

Whether the job worker has received the specified job.

Type: String

Valid Values: `Created | Queued | Dispatched | InProgress | TimedOut | Succeeded | Failed`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidNonceException

The nonce was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

JobNotFoundException

The job was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of AcknowledgeJob.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 63
X-Amz-Target: CodePipeline_20150709.AcknowledgeJob
X-Amz-Date: 20160707T205252Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20160707/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
  "nonce": "3",
  "jobId": "f4f4ff82-2d11-EXAMPLE"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 23
```

```
{
  "status": "InProgress"
}
```

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 (Boto3)
- AWS SDK for Ruby V3

AcknowledgeThirdPartyJob

Confirms a job worker has received the specified job. Used for partner actions only.

Request Syntax

```
{
   "clientToken": "string",
   "jobId": "string",
   "nonce": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

clientToken

The clientToken portion of the clientId and clientToken pair used to verify that the calling entity is allowed access to the job and its details.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

jobId

The unique system-generated ID of the job.

Type: String

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

Required: Yes

nonce

A system-generated random number that CodePipeline uses to ensure that the job is being worked on by only one job worker. Get this number from the response to a GetThirdPartyJobDetails request.

Type: String

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

Required: Yes

Response Syntax

```
{
   "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.

status

The status information for the third party job, if any.

Type: String

Valid Values: `Created | Queued | Dispatched | InProgress | TimedOut | Succeeded | Failed`

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidClientTokenException

The client token was specified in an invalid format

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

InvalidNonceException

The nonce was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

JobNotFoundException

The job was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

CreateCustomActionType

Creates a new custom action that can be used in all pipelines associated with the AWS account. Only used for custom actions.

Request Syntax

```
{
   "category": "string",
   "configurationProperties": [
      {
         "description": "string",
         "key": boolean,
         "name": "string",
         "queryable": boolean,
         "required": boolean,
         "secret": boolean,
         "type": "string"
      }
   ],
   "inputArtifactDetails": {
      "maximumCount": number,
      "minimumCount": number
   },
   "outputArtifactDetails": {
      "maximumCount": number,
      "minimumCount": number
   },
   "provider": "string",
   "settings": {
      "entityUrlTemplate": "string",
      "executionUrlTemplate": "string",
      "revisionUrlTemplate": "string",
      "thirdPartyConfigurationUrl": "string"
   },
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ],
   "version": "string"
```

```
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

category

The category of the custom action, such as a build action or a test action.

Type: String

Valid Values: `Source | Build | Deploy | Test | Invoke | Approval | Compute`

Required: Yes

configurationProperties

The configuration properties for the custom action.

> **Note**
>
> You can refer to a name in the configuration properties of the custom action within the URL templates by following the format of {Config:name}, as long as the configuration property is both required and not secret. For more information, see Create a Custom Action for a Pipeline.

Type: Array of ActionConfigurationProperty objects

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

Required: No

inputArtifactDetails

The details of the input artifact for the action, such as its commit ID.

Type: ArtifactDetails object

Required: Yes

outputArtifactDetails

The details of the output artifact of the action, such as its commit ID.

Type: ArtifactDetails object

Required: Yes

provider

The provider of the service used in the custom action, such as CodeDeploy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 35.

Pattern: `[0-9A-Za-z_-]+`

Required: Yes

settings

URLs that provide users information about this custom action.

Type: ActionTypeSettings object

Required: No

tags

The tags for the custom action.

Type: Array of Tag objects

Required: No

version

The version identifier of the custom action.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 9.

Pattern: `[0-9A-Za-z_-]+`

Required: Yes

Response Syntax

```
{
   "actionType": {
      "actionConfigurationProperties": [
         {
            "description": "string",
            "key": boolean,
            "name": "string",
            "queryable": boolean,
            "required": boolean,
            "secret": boolean,
            "type": "string"
         }
      ],
      "id": {
         "category": "string",
         "owner": "string",
         "provider": "string",
         "version": "string"
      },
      "inputArtifactDetails": {
         "maximumCount": number,
         "minimumCount": number
      },
      "outputArtifactDetails": {
         "maximumCount": number,
         "minimumCount": number
      },
      "settings": {
         "entityUrlTemplate": "string",
         "executionUrlTemplate": "string",
         "revisionUrlTemplate": "string",
         "thirdPartyConfigurationUrl": "string"
      }
   },
   "tags": [
      {
         "key": "string",
         "value": "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.

actionType

Returns information about the details of an action type.

Type: ActionType object

tags

Specifies the tags applied to the custom action.

Type: Array of Tag objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConcurrentModificationException

Unable to modify the tag due to a simultaneous update request.

HTTP Status Code: 400

InvalidTagsException

The specified resource tags are invalid.

HTTP Status Code: 400

LimitExceededException

The number of pipelines associated with the AWS account has exceeded the limit allowed for the account.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

TooManyTagsException

The tags limit for a resource has been exceeded.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of CreateCustomActionType.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 665
X-Amz-Target: CodePipeline_20150709.CreateCustomActionType
X-Amz-Date: 20160707T203658Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20160707/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
  "category": "Build",
  "settings": {
    "entityUrlTemplate": "https://192.0.2.4/job/{Config:ProjectName}/",
    "executionUrlTemplate": "https://192.0.2.4/job/{Config:ProjectName}/
lastSuccessfulBuild/{ExternalExecutionId}/"
  },
  "configurationProperties": [
```

```
    {
      "description": "The name of the build project must be provided when this action
 is added to the pipeline.",
      "required": true,
      "secret": false,
      "key": true,
      "type": "String",
      "queryable": false,
      "name": "ProjectName"
    }
  ],
  "version": "1",
  "provider": "JenkinsProviderName",
  "inputArtifactDetails": {
    "maximumCount": 1,
    "minimumCount": 0
  },
  "outputArtifactDetails": {
    "maximumCount": 1,
    "minimumCount": 0
  }
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 683

{
  "actionType": {
    "actionConfigurationProperties": [
      {
        "description": "The name of the build project must be provided when this action
 is added to the pipeline.",
        "key": true,
        "name": "ProjectName",
        "queryable": false,
        "required": true,
        "secret": false
      }
    ],
```

```
    "id": {
      "__type": "ActionTypeId",
      "category": "Build",
      "owner": "Custom",
      "provider": "JenkinsProviderName",
      "version": "1"
    },
    "inputArtifactDetails": {
      "maximumCount": 1,
      "minimumCount": 0
    },
    "outputArtifactDetails": {
      "maximumCount": 1,
      "minimumCount": 0
    },
    "settings": {
      "entityUrlTemplate": "https://192.0.2.4/job/{Config:ProjectName}/",
      "executionUrlTemplate": "https://192.0.2.4/job/{Config:ProjectName}/
lastSuccessfulBuild/{ExternalExecutionId}/"
    }
  }
}
```

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 (Boto3)
- AWS SDK for Ruby V3

CreatePipeline

Creates a pipeline.

> **Note**
>
> In the pipeline structure, you must include either `artifactStore` or `artifactStores` in your pipeline, but you cannot use both. If you create a cross-region action in your pipeline, you must use `artifactStores`.

Request Syntax

```
{
   "pipeline": {
      "artifactStore": {
         "encryptionKey": {
            "id": "string",
            "type": "string"
         },
         "location": "string",
         "type": "string"
      },
      "artifactStores": {
         "string" : {
            "encryptionKey": {
               "id": "string",
               "type": "string"
            },
            "location": "string",
            "type": "string"
         }
      },
      "executionMode": "string",
      "name": "string",
      "pipelineType": "string",
      "roleArn": "string",
      "stages": [
         {
            "actions": [
               {
                  "actionTypeId": {
```

```
                  "category": "string",
                  "owner": "string",
                  "provider": "string",
                  "version": "string"
               },
               "commands": [ "string" ],
               "configuration": {
                  "string" : "string"
               },
               "environmentVariables": [
                  {
                     "name": "string",
                     "type": "string",
                     "value": "string"
                  }
               ],
               "inputArtifacts": [
                  {
                     "name": "string"
                  }
               ],
               "name": "string",
               "namespace": "string",
               "outputArtifacts": [
                  {
                     "files": [ "string" ],
                     "name": "string"
                  }
               ],
               "outputVariables": [ "string" ],
               "region": "string",
               "roleArn": "string",
               "runOrder": number,
               "timeoutInMinutes": number
            }
         ],
         "beforeEntry": {
            "conditions": [
               {
                  "result": "string",
                  "rules": [
                     {
                        "commands": [ "string" ],
                        "configuration": {
```

```
                        "string" : "string"
                     },
                     "inputArtifacts": [
                        {
                           "name": "string"
                        }
                     ],
                     "name": "string",
                     "region": "string",
                     "roleArn": "string",
                     "ruleTypeId": {
                        "category": "string",
                        "owner": "string",
                        "provider": "string",
                        "version": "string"
                     },
                     "timeoutInMinutes": number
                  }
               ]
            }
         ]
      },
      "blockers": [
         {
            "name": "string",
            "type": "string"
         }
      ],
      "name": "string",
      "onFailure": {
         "conditions": [
            {
               "result": "string",
               "rules": [
                  {
                     "commands": [ "string" ],
                     "configuration": {
                        "string" : "string"
                     },
                     "inputArtifacts": [
                        {
                           "name": "string"
                        }
                     ],
```

```
                        "name": "string",
                        "region": "string",
                        "roleArn": "string",
                        "ruleTypeId": {
                           "category": "string",
                           "owner": "string",
                           "provider": "string",
                           "version": "string"
                        },
                        "timeoutInMinutes": number
                     }
                  ]
               }
            ],
            "result": "string",
            "retryConfiguration": {
               "retryMode": "string"
            }
         },
         "onSuccess": {
            "conditions": [
               {
                  "result": "string",
                  "rules": [
                     {
                        "commands": [ "string" ],
                        "configuration": {
                           "string" : "string"
                        },
                        "inputArtifacts": [
                           {
                              "name": "string"
                           }
                        ],
                        "name": "string",
                        "region": "string",
                        "roleArn": "string",
                        "ruleTypeId": {
                           "category": "string",
                           "owner": "string",
                           "provider": "string",
                           "version": "string"
                        },
                        "timeoutInMinutes": number
```

```
                        }
                     ]
                  }
               ]
            }
         }
      ],
      "triggers": [
         {
            "gitConfiguration": {
               "pullRequest": [
                  {
                     "branches": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     },
                     "events": [ "string" ],
                     "filePaths": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     }
                  }
               ],
               "push": [
                  {
                     "branches": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     },
                     "filePaths": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     },
                     "tags": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     }
                  }
               ],
               "sourceActionName": "string"
            },
            "providerType": "string"
         }
      ],
```

```
      "variables": [
         {
            "defaultValue": "string",
            "description": "string",
            "name": "string"
         }
      ],
      "version": number
   },
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

pipeline

Represents the structure of actions and stages to be performed in the pipeline.

Type: PipelineDeclaration object

Required: Yes

tags

The tags for the pipeline.

Type: Array of Tag objects

Required: No

Response Syntax

```
{
   "pipeline": {
      "artifactStore": {
```

```
         "encryptionKey": {
            "id": "string",
            "type": "string"
         },
         "location": "string",
         "type": "string"
      },
      "artifactStores": {
         "string" : {
            "encryptionKey": {
               "id": "string",
               "type": "string"
            },
            "location": "string",
            "type": "string"
         }
      },
      "executionMode": "string",
      "name": "string",
      "pipelineType": "string",
      "roleArn": "string",
      "stages": [
         {
            "actions": [
               {
                  "actionTypeId": {
                     "category": "string",
                     "owner": "string",
                     "provider": "string",
                     "version": "string"
                  },
                  "commands": [ "string" ],
                  "configuration": {
                     "string" : "string"
                  },
                  "environmentVariables": [
                     {
                        "name": "string",
                        "type": "string",
                        "value": "string"
                     }
                  ],
                  "inputArtifacts": [
                     {
```

```
                        "name": "string"
                     }
                  ],
                  "name": "string",
                  "namespace": "string",
                  "outputArtifacts": [
                     {
                        "files": [ "string" ],
                        "name": "string"
                     }
                  ],
                  "outputVariables": [ "string" ],
                  "region": "string",
                  "roleArn": "string",
                  "runOrder": number,
                  "timeoutInMinutes": number
               }
            ],
            "beforeEntry": {
               "conditions": [
                  {
                     "result": "string",
                     "rules": [
                        {
                           "commands": [ "string" ],
                           "configuration": {
                              "string" : "string"
                           },
                           "inputArtifacts": [
                              {
                                 "name": "string"
                              }
                           ],
                           "name": "string",
                           "region": "string",
                           "roleArn": "string",
                           "ruleTypeId": {
                              "category": "string",
                              "owner": "string",
                              "provider": "string",
                              "version": "string"
                           },
                           "timeoutInMinutes": number
                        }
```

```
                ]
             }
          ]
       },
       "blockers": [
          {
             "name": "string",
             "type": "string"
          }
       ],
       "name": "string",
       "onFailure": {
          "conditions": [
             {
                "result": "string",
                "rules": [
                   {
                      "commands": [ "string" ],
                      "configuration": {
                         "string" : "string"
                      },
                      "inputArtifacts": [
                         {
                            "name": "string"
                         }
                      ],
                      "name": "string",
                      "region": "string",
                      "roleArn": "string",
                      "ruleTypeId": {
                         "category": "string",
                         "owner": "string",
                         "provider": "string",
                         "version": "string"
                      },
                      "timeoutInMinutes": number
                   }
                ]
             }
          ],
          "result": "string",
          "retryConfiguration": {
             "retryMode": "string"
          }
```

```
            },
            "onSuccess": {
               "conditions": [
                  {
                     "result": "string",
                     "rules": [
                        {
                           "commands": [ "string" ],
                           "configuration": {
                              "string" : "string"
                           },
                           "inputArtifacts": [
                              {
                                 "name": "string"
                              }
                           ],
                           "name": "string",
                           "region": "string",
                           "roleArn": "string",
                           "ruleTypeId": {
                              "category": "string",
                              "owner": "string",
                              "provider": "string",
                              "version": "string"
                           },
                           "timeoutInMinutes": number
                        }
                     ]
                  }
               ]
            }
         }
      ],
      "triggers": [
         {
            "gitConfiguration": {
               "pullRequest": [
                  {
                     "branches": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     },
                     "events": [ "string" ],
                     "filePaths": {
```

```
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     }
                  }
               ],
               "push": [
                  {
                     "branches": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     },
                     "filePaths": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     },
                     "tags": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     }
                  }
               ],
               "sourceActionName": "string"
            },
            "providerType": "string"
         }
      ],
      "variables": [
         {
            "defaultValue": "string",
            "description": "string",
            "name": "string"
         }
      ],
      "version": number
   },
   "tags": [
      {
         "key": "string",
         "value": "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.

pipeline

Represents the structure of actions and stages to be performed in the pipeline.

Type: PipelineDeclaration object

tags

Specifies the tags applied to the pipeline.

Type: Array of Tag objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConcurrentModificationException

Unable to modify the tag due to a simultaneous update request.

HTTP Status Code: 400

InvalidActionDeclarationException

The action declaration was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

InvalidBlockerDeclarationException

Reserved for future use.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

InvalidStageDeclarationException

The stage declaration was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

InvalidStructureException

The structure was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

InvalidTagsException

The specified resource tags are invalid.

HTTP Status Code: 400

LimitExceededException

The number of pipelines associated with the AWS account has exceeded the limit allowed for the account.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineNameInUseException

The specified pipeline name is already in use.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

TooManyTagsException

The tags limit for a resource has been exceeded.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of CreatePipeline.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 923
X-Amz-Target: CodePipeline_20150709.CreatePipeline
X-Amz-Date: 20160707T175936Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20160707/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
  "pipeline": {
    "roleArn": "arn:aws:iam::111111111111:role/AWS-CodePipeline-Service",
    "stages": [
      {
        "name": "Source",
        "actions": [
          {
            "inputArtifacts": [],
            "name": "Source",
            "actionTypeId": {
              "category": "Source",
```

```
            "owner": "AWS",
            "version": "1",
            "provider": "S3"
          },
          "outputArtifacts": [
            {
              "name": "MyApp"
            }
          ],
          "configuration": {
            "S3Bucket": "amzn-s3-demo-bucket",
            "S3ObjectKey": "aws-codepipeline-s3-aws-codedeploy_linux.zip"
          },
          "runOrder": 1
        }
      ]
    },
    {
      "name": "Staging",
      "actions": [
        {
          "inputArtifacts": [
            {
              "name": "MyApp"
            }
          ],
          "name": "CodePipelineDemoFleet",
          "actionTypeId": {
            "category": "Deploy",
            "owner": "AWS",
            "version": "1",
            "provider": "CodeDeploy"
          },
          "outputArtifacts": [],
          "configuration": {
            "ApplicationName": "CodePipelineDemoApplication",
            "DeploymentGroupName": "CodePipelineDemoFleet"
          },
          "runOrder": 1
        }
      ]
    }
  ],
  "artifactStore": {
```

```
      "type": "S3",
      "location": "amzn-s3-demo-bucket"
    },
    "name": "MySecondPipeline",
    "version": 1
  }
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 907

{
  "pipeline": {
    "artifactStore": {
      "location": "amzn-s3-demo-bucket",
      "type": "S3"
    },
    "name": "MySecondPipeline",
    "roleArn": "arn:aws:iam::111111111111:role/AWS-CodePipeline-Service",
    "stages": [
      {
        "actions": [
          {
            "actionTypeId": {
              "__type": "ActionTypeId",
              "category": "Source",
              "owner": "AWS",
              "provider": "S3",
              "version": "1"
            },
            "configuration": {
              "S3Bucket": "amzn-s3-demo-bucket",
              "S3ObjectKey": "aws-codepipeline-s3-aws-codedeploy_linux.zip"
            },
            "inputArtifacts": [],
            "name": "Source",
            "outputArtifacts": [
              {
                "name": "MyApp"
```

```
              }
            ],
            "runOrder": 1
          }
        ],
        "name": "Source"
      },
      {
        "actions": [
          {
            "actionTypeId": {
              "__type": "ActionTypeId",
              "category": "Deploy",
              "owner": "AWS",
              "provider": "CodeDeploy",
              "version": "1"
            },
            "configuration": {
              "ApplicationName": "CodePipelineDemoApplication",
              "DeploymentGroupName": "CodePipelineDemoFleet"
            },
            "inputArtifacts": [
              {
                "name": "MyApp"
              }
            ],
            "name": "CodePipelineDemoFleet",
            "outputArtifacts": [],
            "runOrder": 1
          }
        ],
        "name": "Staging"
      }
    ],
    "version": 1
  }
}
```

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 (Boto3)
- AWS SDK for Ruby V3

DeleteCustomActionType

Marks a custom action as deleted. `PollForJobs` for the custom action fails after the action is marked for deletion. Used for custom actions only.

> **Important**
>
> To re-create a custom action after it has been deleted you must use a string in the version field that has never been used before. This string can be an incremented version number, for example. To restore a deleted custom action, use a JSON file that is identical to the deleted action, including the original string in the version field.

Request Syntax

```
{
   "category": "string",
   "provider": "string",
   "version": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

category

The category of the custom action that you want to delete, such as source or deploy.

Type: String

Valid Values: `Source | Build | Deploy | Test | Invoke | Approval | Compute`

Required: Yes

provider

The provider of the service used in the custom action, such as CodeDeploy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 35.

Pattern: `[0-9A-Za-z_-]+`

Required: Yes

version

The version of the custom action to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 9.

Pattern: `[0-9A-Za-z_-]+`

Required: Yes

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.

ConcurrentModificationException

Unable to modify the tag due to a simultaneous update request.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of DeleteCustomActionType.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 68
X-Amz-Target: CodePipeline_20150709.DeleteCustomActionType
X-Amz-Date: 20151030T233944Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20151030/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
  "category": "Build",
  "version": "1",
  "provider": "JenkinsProviderName"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 0
```

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 (Boto3)
- AWS SDK for Ruby V3

DeletePipeline

Deletes the specified pipeline.

Request Syntax

```
{
   "name": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

name

The name of the pipeline to be deleted.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

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.

ConcurrentModificationException

Unable to modify the tag due to a simultaneous update request.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of DeletePipeline.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 25
X-Amz-Target: CodePipeline_20150709.DeletePipeline
X-Amz-Date: 20160707T202402Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20160707/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
  "name": "MySecondPipeline"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 0
```

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 (Boto3)
- AWS SDK for Ruby V3

DeleteWebhook

Deletes a previously created webhook by name. Deleting the webhook stops CodePipeline from starting a pipeline every time an external event occurs. The API returns successfully when trying to delete a webhook that is already deleted. If a deleted webhook is re-created by calling PutWebhook with the same name, it will have a different URL.

Request Syntax

```
{
   "name": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

name

The name of the webhook you want to delete.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

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.

ConcurrentModificationException

Unable to modify the tag due to a simultaneous update request.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

DeregisterWebhookWithThirdParty

Removes the connection between the webhook that was created by CodePipeline and the external tool with events to be detected. Currently supported only for webhooks that target an action type of GitHub.

Request Syntax

```
{
   "webhookName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

webhookName

The name of the webhook you want to deregister.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: No

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.

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

WebhookNotFoundException

The specified webhook was entered in an invalid format or cannot be found.

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 (Boto3)
- AWS SDK for Ruby V3

DisableStageTransition

Prevents artifacts in a pipeline from transitioning to the next stage in the pipeline.

Request Syntax

```
{
   "pipelineName": "string",
   "reason": "string",
   "stageName": "string",
   "transitionType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

pipelineName

The name of the pipeline in which you want to disable the flow of artifacts from one stage to another.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

reason

The reason given to the user that a stage is disabled, such as waiting for manual approval or manual tests. This message is displayed in the pipeline console UI.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 300.

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

Required: Yes

stageName

The name of the stage where you want to disable the inbound or outbound transition of artifacts.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

transitionType

Specifies whether artifacts are prevented from transitioning into the stage and being processed by the actions in that stage (inbound), or prevented from transitioning from the stage after they have been processed by the actions in that stage (outbound).

Type: String

Valid Values: `Inbound | Outbound`

Required: Yes

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.

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

StageNotFoundException

The stage was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of DisableStageTransition.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 108
X-Amz-Target: CodePipeline_20150709.DisableStageTransition
X-Amz-Date: 20160707T182043Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20160707/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
  "reason": "An example reason",
  "pipelineName": "MyFirstPipeline",
  "stageName": "Staging",
```

```
  "transitionType": "Inbound"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 0
```

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 (Boto3)
- AWS SDK for Ruby V3

EnableStageTransition

Enables artifacts in a pipeline to transition to a stage in a pipeline.

Request Syntax

```
{
   "pipelineName": "string",
   "stageName": "string",
   "transitionType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

pipelineName

The name of the pipeline in which you want to enable the flow of artifacts from one stage to another.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

stageName

The name of the stage where you want to enable the transition of artifacts, either into the stage (inbound) or from that stage to the next stage (outbound).

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

transitionType

Specifies whether artifacts are allowed to enter the stage and be processed by the actions in that stage (inbound) or whether already processed artifacts are allowed to transition to the next stage (outbound).

Type: String

Valid Values: `Inbound` | `Outbound`

Required: Yes

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.

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

StageNotFoundException

The stage was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of EnableStageTransition.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 85
X-Amz-Target: CodePipeline_20150709.EnableStageTransition
X-Amz-Date: 20160707T182342Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20160707/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
  "pipelineName": "MyFirstPipeline",
  "stageName": "Staging",
  "transitionType": "Inbound"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 0
```

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 (Boto3)
- AWS SDK for Ruby V3

GetActionType

Returns information about an action type created for an external provider, where the action is to be used by customers of the external provider. The action can be created with any supported integration model.

Request Syntax

```
{
   "category": "string",
   "owner": "string",
   "provider": "string",
   "version": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

category

Defines what kind of action can be taken in the stage. The following are the valid values:

- `Source`
- `Build`
- `Test`
- `Deploy`
- `Approval`
- `Invoke`
- `Compute`

Type: String

Valid Values: `Source | Build | Deploy | Test | Invoke | Approval | Compute`

Required: Yes

owner

The creator of an action type that was created with any supported integration model. There are two valid values: `AWS` and `ThirdParty`.

Type: String

Pattern: `AWS | ThirdParty`

Required: Yes

provider

The provider of the action type being called. The provider name is specified when the action type is created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 35.

Pattern: `[0-9A-Za-z_-]+`

Required: Yes

version

A string that describes the action type version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 9.

Pattern: `[0-9A-Za-z_-]+`

Required: Yes

Response Syntax

```
{
   "actionType": {
      "description": "string",
      "executor": {
         "configuration": {
            "jobWorkerExecutorConfiguration": {
               "pollingAccounts": [ "string" ],
```

```
            "pollingServicePrincipals": [ "string" ]
         },
         "lambdaExecutorConfiguration": {
            "lambdaFunctionArn": "string"
         }
      },
      "jobTimeout": number,
      "policyStatementsTemplate": "string",
      "type": "string"
   },
   "id": {
      "category": "string",
      "owner": "string",
      "provider": "string",
      "version": "string"
   },
   "inputArtifactDetails": {
      "maximumCount": number,
      "minimumCount": number
   },
   "outputArtifactDetails": {
      "maximumCount": number,
      "minimumCount": number
   },
   "permissions": {
      "allowedAccounts": [ "string" ]
   },
   "properties": [
      {
         "description": "string",
         "key": boolean,
         "name": "string",
         "noEcho": boolean,
         "optional": boolean,
         "queryable": boolean
      }
   ],
   "urls": {
      "configurationUrl": "string",
      "entityUrlTemplate": "string",
      "executionUrlTemplate": "string",
      "revisionUrlTemplate": "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.

actionType

The action type information for the requested action type, such as the action type ID.

Type: ActionTypeDeclaration object

Errors

For information about the errors that are common to all actions, see Common Error Types.

ActionTypeNotFoundException

The specified action type cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

GetJobDetails

Returns information about a job. Used for custom actions only.

> **Important**
>
> When this API is called, CodePipeline returns temporary credentials for the S3 bucket used to store artifacts for the pipeline, if the action requires access to that S3 bucket for input or output artifacts. This API also returns any secret values defined for the action.

Request Syntax

```
{
   "jobId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

jobId

The unique system-generated ID for the job.

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

Response Syntax

```
{
   "jobDetails": {
      "accountId": "string",
      "data": {
         "actionConfiguration": {
            "configuration": {
```

```
            "string" : "string"
         }
      },
      "actionTypeId": {
         "category": "string",
         "owner": "string",
         "provider": "string",
         "version": "string"
      },
      "artifactCredentials": {
         "accessKeyId": "string",
         "secretAccessKey": "string",
         "sessionToken": "string"
      },
      "continuationToken": "string",
      "encryptionKey": {
         "id": "string",
         "type": "string"
      },
      "inputArtifacts": [
         {
            "location": {
               "s3Location": {
                  "bucketName": "string",
                  "objectKey": "string"
               },
               "type": "string"
            },
            "name": "string",
            "revision": "string"
         }
      ],
      "outputArtifacts": [
         {
            "location": {
               "s3Location": {
                  "bucketName": "string",
                  "objectKey": "string"
               },
               "type": "string"
            },
            "name": "string",
            "revision": "string"
         }
```

```
         ],
         "pipelineContext": {
            "action": {
               "actionExecutionId": "string",
               "name": "string"
            },
            "pipelineArn": "string",
            "pipelineExecutionId": "string",
            "pipelineName": "string",
            "stage": {
               "name": "string"
            }
         }
      },
      "id": "string"
   }
}
```

Response Elements

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

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

jobDetails

The details of the job.

> **Note**
>
> If AWSSessionCredentials is used, a long-running job can call `GetJobDetails` again to obtain new credentials.

Type: JobDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

JobNotFoundException

The job was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of GetJobDetails.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 49
X-Amz-Target: CodePipeline_20150709.GetJobDetails
X-Amz-Date: 20151030T230237Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20151030/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
  "jobId": "ef66c259-EXAMPLE"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 1822

{
  "jobDetails": {
    "accountId": "111111111111",
    "data": {
      "actionConfiguration": {
        "__type": "ActionConfiguration",
        "configuration": {
          "ProjectName": "JenkinsTestProject"
        }
      },
      "actionTypeId": {
        "__type": "ActionTypeId",
        "category": "Test",
        "owner": "Custom",
        "provider": "JenkinsProviderName",
        "version": "1"
      },
      "artifactCredentials": {
        "__type": "AWSSessionCredentials",
        "accessKeyId": "AKIAIOSFODNN7EXAMPLE",
        "secretAccessKey": "wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY",
        "sessionToken":
 "fICCQD6m7oRw0uXOjANBgkqhkiG9w0BAQUFADCBiDELMAkGA1UEBhMCVVMxCzAJBgNVBAgTAldBMRAwDgYDVQQHEwdTZW
+a4GmWIWJ21uUSfwfEvySWtC2XADZ4nB+BLYgVIk60CpiwsZ3G93vUEIO3IyNoH/
f0wYK8m9TrDHudUZg3qX4waLG5M43q7Wgc/
MbQITxOUSQv7c7ugFFDzQGBzZswY6786m86gpEIbb3OhjZnzcvQAaRHhdlQWIMm2nrAgMBAAEwDQYJKoZIhvcNAQEFBQADg
+auNKyExzyLwaxlAoo7TJHidbtS4J5iNmZgXL0FkbFFBjvSfpJIlJ00zbhNYS5f6GuoEDmFJl0ZxBHjJnyp378OD8uTs7fL
      },
      "inputArtifacts": [
        {
          "__type": "Artifact",
          "location": {
            "s3Location": {
              "bucketName": "amzn-s3-demo-bucket",
              "objectKey": "MySecondPipeline/MyAppBuild/EXAMPLE"
            },
            "type": "S3"
```

```
          },
          "name": "MyAppBuild"
        }
      ],
      "outputArtifacts": [],
      "pipelineContext": {
        "__type": "PipelineContext",
        "action": {
          "name": "JenkinsTestAction"
        },
        "pipelineName": "MySecondPipeline",
        "stage": {
          "name": "Testing"
        }
      }
    },
    "id": "ef66c259-EXAMPLE"
  }
}
```

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 (Boto3)
- AWS SDK for Ruby V3

GetPipeline

Returns the metadata, structure, stages, and actions of a pipeline. Can be used to return the entire structure of a pipeline in JSON format, which can then be modified and used to update the pipeline structure with UpdatePipeline.

Request Syntax

```
{
   "name": "string",
   "version": number
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

name

The name of the pipeline for which you want to get information. Pipeline names must be unique in an AWS account.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

version

The version number of the pipeline. If you do not specify a version, defaults to the current version.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

Response Syntax

```
{
   "metadata": {
      "created": number,
      "pipelineArn": "string",
      "pollingDisabledAt": number,
      "updated": number
   },
   "pipeline": {
      "artifactStore": {
         "encryptionKey": {
            "id": "string",
            "type": "string"
         },
         "location": "string",
         "type": "string"
      },
      "artifactStores": {
         "string" : {
            "encryptionKey": {
               "id": "string",
               "type": "string"
            },
            "location": "string",
            "type": "string"
         }
      },
      "executionMode": "string",
      "name": "string",
      "pipelineType": "string",
      "roleArn": "string",
      "stages": [
         {
            "actions": [
               {
                  "actionTypeId": {
                     "category": "string",
                     "owner": "string",
                     "provider": "string",
                     "version": "string"
                  },
                  "commands": [ "string" ],
```

```
                "configuration": {
                   "string" : "string"
                },
                "environmentVariables": [
                   {
                      "name": "string",
                      "type": "string",
                      "value": "string"
                   }
                ],
                "inputArtifacts": [
                   {
                      "name": "string"
                   }
                ],
                "name": "string",
                "namespace": "string",
                "outputArtifacts": [
                   {
                      "files": [ "string" ],
                      "name": "string"
                   }
                ],
                "outputVariables": [ "string" ],
                "region": "string",
                "roleArn": "string",
                "runOrder": number,
                "timeoutInMinutes": number
             }
          ],
          "beforeEntry": {
             "conditions": [
                {
                   "result": "string",
                   "rules": [
                      {
                         "commands": [ "string" ],
                         "configuration": {
                            "string" : "string"
                         },
                         "inputArtifacts": [
                            {
                               "name": "string"
                            }
```

```
                        ],
                        "name": "string",
                        "region": "string",
                        "roleArn": "string",
                        "ruleTypeId": {
                           "category": "string",
                           "owner": "string",
                           "provider": "string",
                           "version": "string"
                        },
                        "timeoutInMinutes": number
                     }
                  ]
               }
            ]
         },
         "blockers": [
            {
               "name": "string",
               "type": "string"
            }
         ],
         "name": "string",
         "onFailure": {
            "conditions": [
               {
                  "result": "string",
                  "rules": [
                     {
                        "commands": [ "string" ],
                        "configuration": {
                           "string" : "string"
                        },
                        "inputArtifacts": [
                           {
                              "name": "string"
                           }
                        ],
                        "name": "string",
                        "region": "string",
                        "roleArn": "string",
                        "ruleTypeId": {
                           "category": "string",
                           "owner": "string",
```

```
                        "provider": "string",
                        "version": "string"
                     },
                     "timeoutInMinutes": number
                  }
               ]
            }
         ],
         "result": "string",
         "retryConfiguration": {
            "retryMode": "string"
         }
      },
      "onSuccess": {
         "conditions": [
            {
               "result": "string",
               "rules": [
                  {
                     "commands": [ "string" ],
                     "configuration": {
                        "string" : "string"
                     },
                     "inputArtifacts": [
                        {
                           "name": "string"
                        }
                     ],
                     "name": "string",
                     "region": "string",
                     "roleArn": "string",
                     "ruleTypeId": {
                        "category": "string",
                        "owner": "string",
                        "provider": "string",
                        "version": "string"
                     },
                     "timeoutInMinutes": number
                  }
               ]
            }
         ]
      }
   }
```

```
      ],
      "triggers": [
         {
            "gitConfiguration": {
               "pullRequest": [
                  {
                     "branches": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     },
                     "events": [ "string" ],
                     "filePaths": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     }
                  }
               ],
               "push": [
                  {
                     "branches": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     },
                     "filePaths": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     },
                     "tags": {
                        "excludes": [ "string" ],
                        "includes": [ "string" ]
                     }
                  }
               ],
               "sourceActionName": "string"
            },
            "providerType": "string"
         }
      ],
      "variables": [
         {
            "defaultValue": "string",
            "description": "string",
            "name": "string"
         }
```

```
      ],
      "version": 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.

metadata

Represents the pipeline metadata information returned as part of the output of a `GetPipeline` action.

Type: PipelineMetadata object

pipeline

Represents the structure of actions and stages to be performed in the pipeline.

Type: PipelineDeclaration object

Errors

For information about the errors that are common to all actions, see Common Error Types.

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineVersionNotFoundException

The pipeline version was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of GetPipeline.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 27
X-Amz-Target: CodePipeline_20150709.GetPipeline
X-Amz-Date: 20160707T171559Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20160707/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
  "name": "MyFirstPipeline"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 898

{
```

```
    "pipeline": {
        "roleArn": "arn:aws:iam::11111EXAMPLE:role/AWS-CodePipeline-Service",
        "stages": [
            {
                "name": "Source",
                "actions": [
                    {
                        "actionTypeId": {
                            "category": "Source",
                            "owner": "AWS",
                            "provider": "S3",
                            "version": "1"
                        },
                        "configuration": {
                            "PollForSourceChanges": "true",
                            "S3Bucket": "amzn-s3-demo-bucket",
                            "S3ObjectKey": "aws-codepipeline-s3-aws-
codedeploy_linux.zip"
                        },
                        "inputArtifacts": [],
                        "name": "Source",
                        "outputArtifacts": [
                            {
                                "name": "MyApp"
                            }
                        ],
                        "runOrder": 1
                    }
                ]
            },
            {
                "name": "Build",
                "actions": [
                    {
                        "actionTypeId": {
                            "category": "Build",
                            "owner": "AWS",
                            "provider": "CodeBuild",
                            "version": "1"
                        },
                        "configuration": {
                            "ProjectName": "BuildProject"
                        },
                        "inputArtifacts": [
```

```
                            {
                                "name": "MyApp"
                            }
                        ],
                        "name": "CodeBuild",
                        "outputArtifacts": [
                            {
                                "name": "MyAppBuild"
                            }
                        ],
                        "runOrder": 1
                    }
                ]
            }
        ],
        "artifactStore": {
            "type": "S3",
            "location": "codepipeline-us-east-2-250656481468"
        },
        "name": "MyFirstPipeline",
        "version": 1
    },
    "metadata": {
        "pipelineArn": "arn:aws:codepipeline:us-east-2:80398EXAMPLE:MyFirstPipeline",
        "updated": 1501626591.112,
        "created": 1501626591.112
    }
}
```

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 (Boto3)
- AWS SDK for Ruby V3

GetPipelineExecution

Returns information about an execution of a pipeline, including details about artifacts, the pipeline execution ID, and the name, version, and status of the pipeline.

Request Syntax

```
{
   "pipelineExecutionId": "string",
   "pipelineName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

pipelineExecutionId

The ID of the pipeline execution about which you want to get execution details.

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

pipelineName

The name of the pipeline about which you want to get execution details.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

Response Syntax

```
{
```

```
   "pipelineExecution": {
      "artifactRevisions": [
         {
            "created": number,
            "name": "string",
            "revisionChangeIdentifier": "string",
            "revisionId": "string",
            "revisionSummary": "string",
            "revisionUrl": "string"
         }
      ],
      "executionMode": "string",
      "executionType": "string",
      "pipelineExecutionId": "string",
      "pipelineName": "string",
      "pipelineVersion": number,
      "rollbackMetadata": {
         "rollbackTargetPipelineExecutionId": "string"
      },
      "status": "string",
      "statusSummary": "string",
      "trigger": {
         "triggerDetail": "string",
         "triggerType": "string"
      },
      "variables": [
         {
            "name": "string",
            "resolvedValue": "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.

pipelineExecution

Represents information about the execution of a pipeline.

Type: PipelineExecution object

Errors

For information about the errors that are common to all actions, see Common Error Types.

PipelineExecutionNotFoundException

The pipeline execution was specified in an invalid format or cannot be found, or an execution ID does not belong to the specified pipeline.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of GetPipelineExecution.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 27
X-Amz-Target: CodePipeline_20150709.GetPipelineExecution
X-Amz-Date: 20160707T171559Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20160707/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
   "pipelineExecutionId": "42ee4d10-e4de-a37c-82b7-36c11EXAMPLE",
   "pipelineName": "MyFirstPipeline"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 318

{
    "pipelineExecution": {
        "artifactRevisions": [
            {
                "created": 1427298837.7689769,
  "name": "MyApp",
                "revisionChangeIdentifier": "1427298921.3976923",
                "revisionId": "7636d59f3c461cEXAMPLE8417dbc6371",
                "revisionSummary": "Updating the application for feature 12-4820",
                "revisionUrl": "https://api.github.com/repos/anycompany/MyApp/git/
commits/7636d59f3c461cEXAMPLE8417dbc6371"
            }
        ],
        "pipelineExecutionId": "3137f7cb-7cf7-039j-s83l-d7eu3EXAMPLE",
        "pipelineName": "MyFirstPipeline",
        "pipelineVersion": 2,
        "status": "Succeeded"
```

```
    }
}
```

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 (Boto3)
- AWS SDK for Ruby V3

GetPipelineState

Returns information about the state of a pipeline, including the stages and actions.

> **Note**
>
> Values returned in the `revisionId` and `revisionUrl` fields indicate the source revision information, such as the commit ID, for the current state.

Request Syntax

```
{
   "name": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

name

The name of the pipeline about which you want to get information.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

Response Syntax

```
{
   "created": number,
   "pipelineName": "string",
   "pipelineVersion": number,
   "stageStates": [
```

```
{
   "actionStates": [
      {
         "actionName": "string",
         "currentRevision": {
            "created": number,
            "revisionChangeId": "string",
            "revisionId": "string"
         },
         "entityUrl": "string",
         "latestExecution": {
            "actionExecutionId": "string",
            "errorDetails": {
               "code": "string",
               "message": "string"
            },
            "externalExecutionId": "string",
            "externalExecutionUrl": "string",
            "lastStatusChange": number,
            "lastUpdatedBy": "string",
            "logStreamARN": "string",
            "percentComplete": number,
            "status": "string",
            "summary": "string",
            "token": "string"
         },
         "revisionUrl": "string"
      }
   ],
   "beforeEntryConditionState": {
      "conditionStates": [
         {
            "latestExecution": {
               "lastStatusChange": number,
               "status": "string",
               "summary": "string"
            },
            "ruleStates": [
               {
                  "currentRevision": {
                     "created": number,
                     "revisionChangeId": "string",
                     "revisionId": "string"
                  },
```

```
                        "entityUrl": "string",
                        "latestExecution": {
                           "errorDetails": {
                              "code": "string",
                              "message": "string"
                           },
                           "externalExecutionId": "string",
                           "externalExecutionUrl": "string",
                           "lastStatusChange": number,
                           "lastUpdatedBy": "string",
                           "ruleExecutionId": "string",
                           "status": "string",
                           "summary": "string",
                           "token": "string"
                        },
                        "revisionUrl": "string",
                        "ruleName": "string"
                     }
                  ]
               }
            ],
            "latestExecution": {
               "status": "string",
               "summary": "string"
            }
         },
         "inboundExecution": {
            "pipelineExecutionId": "string",
            "status": "string",
            "type": "string"
         },
         "inboundExecutions": [
            {
               "pipelineExecutionId": "string",
               "status": "string",
               "type": "string"
            }
         ],
         "inboundTransitionState": {
            "disabledReason": "string",
            "enabled": boolean,
            "lastChangedAt": number,
            "lastChangedBy": "string"
         },
```

```
      "latestExecution": {
         "pipelineExecutionId": "string",
         "status": "string",
         "type": "string"
      },
      "onFailureConditionState": {
         "conditionStates": [
            {
               "latestExecution": {
                  "lastStatusChange": number,
                  "status": "string",
                  "summary": "string"
               },
               "ruleStates": [
                  {
                     "currentRevision": {
                        "created": number,
                        "revisionChangeId": "string",
                        "revisionId": "string"
                     },
                     "entityUrl": "string",
                     "latestExecution": {
                        "errorDetails": {
                           "code": "string",
                           "message": "string"
                        },
                        "externalExecutionId": "string",
                        "externalExecutionUrl": "string",
                        "lastStatusChange": number,
                        "lastUpdatedBy": "string",
                        "ruleExecutionId": "string",
                        "status": "string",
                        "summary": "string",
                        "token": "string"
                     },
                     "revisionUrl": "string",
                     "ruleName": "string"
                  }
               ]
            }
         ],
         "latestExecution": {
            "status": "string",
            "summary": "string"
```

```
            }
         },
         "onSuccessConditionState": {
            "conditionStates": [
               {
                  "latestExecution": {
                     "lastStatusChange": number,
                     "status": "string",
                     "summary": "string"
                  },
                  "ruleStates": [
                     {
                        "currentRevision": {
                           "created": number,
                           "revisionChangeId": "string",
                           "revisionId": "string"
                        },
                        "entityUrl": "string",
                        "latestExecution": {
                           "errorDetails": {
                              "code": "string",
                              "message": "string"
                           },
                           "externalExecutionId": "string",
                           "externalExecutionUrl": "string",
                           "lastStatusChange": number,
                           "lastUpdatedBy": "string",
                           "ruleExecutionId": "string",
                           "status": "string",
                           "summary": "string",
                           "token": "string"
                        },
                        "revisionUrl": "string",
                        "ruleName": "string"
                     }
                  ]
               }
            ],
            "latestExecution": {
               "status": "string",
               "summary": "string"
            }
         },
         "retryStageMetadata": {
```

```
            "autoStageRetryAttempt": number,
            "latestRetryTrigger": "string",
            "manualStageRetryAttempt": number
         },
         "stageName": "string"
      }
   ],
   "updated": 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.

created

The date and time the pipeline was created, in timestamp format.

Type: Timestamp

pipelineName

The name of the pipeline for which you want to get the state.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

pipelineVersion

The version number of the pipeline.

> **Note**
>
> A newly created pipeline is always assigned a version number of 1.

Type: Integer

Valid Range: Minimum value of 1.

stageStates

A list of the pipeline stage output information, including stage name, state, most recent run details, whether the stage is disabled, and other data.

Type: Array of StageState objects

updated

The date and time the pipeline was last updated, in timestamp format.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of GetPipelineState.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 27
X-Amz-Target: CodePipeline_20150709.GetPipelineState
X-Amz-Date: 20160707T172005Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20160707/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
  "name": "MyFirstPipeline"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 827

{
    "created": 1446137312.204,
    "pipelineName": "MyFirstPipeline",
    "pipelineVersion": 1,
    "stageStates": [
        {
            "actionStates": [
                {
                    "actionName": "Source",
                    "currentRevision": {
                        "created": 1446726163.571,
                        "revisionId": "HYGp7zmwbCPPwo234xsCEM7d6ToeAqIl"
                    },
                    "entityUrl": "https://console.aws.amazon.com/s3/home?#",
                    "latestExecution": {
                        "lastStatusChange": 1446137358.328,
                        "status": "Succeeded"
                    }
```

```
                }
            ],
            "stageName": "Source"
        },
        {
            "actionStates": [
                {
                    "actionName": "CodePipelineDemoFleet",
                    "currentRevision": {
                        "created": 1466726263.189,
                        "revisionId": "{\"bucket\":\"codepipeline-us-east-1-2770EXAMPLE
\",\"key\":\"MyFirstPipeline/MyApp/QI8RTZY.zip\",\"bundleType\":\"zip\",\"version
\":null,\"etag\":\"f51889bff5402b0249676e48cEXAMPLE\"}"
                    },
                    "entityUrl": "https://console.aws.amazon.com/codedeploy/home?#/
applications/CodePipelineDemoApplication/deployment-groups/CodePipelineDemoFleet",
                    "latestExecution": {
                        "externalExecutionId": "d-EXAMPLE",
                        "externalExecutionUrl": "https://console.aws.amazon.com/
codedeploy/home?#/deployments/d-EXAMPLE",
                        "lastStatusChange": 1446137493.131,
                        "status": "Succeeded",
                        "summary": "Deployment Succeeded"
                    }
                }
            ],
            "inboundTransitionState": {
                "enabled": true,
                "lastChangedAt": 1470779534.135,
                "lastChangedBy": "arn:aws:iam::111111111111:user/johndoe"
            },
            "stageName": "Staging"
        }
    ],
    "updated": 1446137312.204
}
```

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 (Boto3)
- AWS SDK for Ruby V3

GetThirdPartyJobDetails

Requests the details of a job for a third party action. Used for partner actions only.

> **Important**
>
> When this API is called, CodePipeline returns temporary credentials for the S3 bucket used to store artifacts for the pipeline, if the action requires access to that S3 bucket for input or output artifacts. This API also returns any secret values defined for the action.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

clientToken

The clientToken portion of the clientId and clientToken pair used to verify that the calling entity is allowed access to the job and its details.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

jobId

The unique system-generated ID used for identifying the job.

Type: String

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

Required: Yes

Response Syntax

```
{
   "jobDetails": {
      "data": {
         "actionConfiguration": {
            "configuration": {
               "string" : "string"
            }
         },
         "actionTypeId": {
            "category": "string",
            "owner": "string",
            "provider": "string",
            "version": "string"
         },
         "artifactCredentials": {
            "accessKeyId": "string",
            "secretAccessKey": "string",
            "sessionToken": "string"
         },
         "continuationToken": "string",
         "encryptionKey": {
            "id": "string",
            "type": "string"
         },
         "inputArtifacts": [
            {
               "location": {
                  "s3Location": {
                     "bucketName": "string",
                     "objectKey": "string"
                  },
                  "type": "string"
               },
               "name": "string",
               "revision": "string"
            }
         ],
```

```
         "outputArtifacts": [
            {
               "location": {
                  "s3Location": {
                     "bucketName": "string",
                     "objectKey": "string"
                  },
                  "type": "string"
               },
               "name": "string",
               "revision": "string"
            }
         ],
         "pipelineContext": {
            "action": {
               "actionExecutionId": "string",
               "name": "string"
            },
            "pipelineArn": "string",
            "pipelineExecutionId": "string",
            "pipelineName": "string",
            "stage": {
               "name": "string"
            }
         }
      },
      "id": "string",
      "nonce": "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.

jobDetails

The details of the job, including any protected values defined for the job.

Type: ThirdPartyJobDetails object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidClientTokenException

The client token was specified in an invalid format

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

InvalidJobException

The job was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

JobNotFoundException

The job was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

ListActionExecutions

Lists the action executions that have occurred in a pipeline.

Request Syntax

```
{
   "filter": {
      "latestInPipelineExecution": {
         "pipelineExecutionId": "string",
         "startTimeRange": "string"
      },
      "pipelineExecutionId": "string"
   },
   "maxResults": number,
   "nextToken": "string",
   "pipelineName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

filter

Input information used to filter action execution history.

Type: ActionExecutionFilter object

Required: No

maxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned nextToken value. Action execution history is retained for up to 12 months, based on action execution start times. Default value is 100.

Type: Integer

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

Required: No

nextToken

The token that was returned from the previous `ListActionExecutions` call, which can be used to return the next set of action executions in the list.

Type: String

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

Required: No

pipelineName

The name of the pipeline for which you want to list action execution history.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

Response Syntax

```
{
   "actionExecutionDetails": [
      {
         "actionExecutionId": "string",
         "actionName": "string",
         "input": {
            "actionTypeId": {
               "category": "string",
               "owner": "string",
               "provider": "string",
               "version": "string"
            },
            "configuration": {
               "string" : "string"
            },
            "inputArtifacts": [
               {
                  "name": "string",
                  "s3location": {
```

```
                    "bucket": "string",
                    "key": "string"
                 }
              }
           ],
           "namespace": "string",
           "region": "string",
           "resolvedConfiguration": {
              "string" : "string"
           },
           "roleArn": "string"
        },
        "lastUpdateTime": number,
        "output": {
           "executionResult": {
              "errorDetails": {
                 "code": "string",
                 "message": "string"
              },
              "externalExecutionId": "string",
              "externalExecutionSummary": "string",
              "externalExecutionUrl": "string",
              "logStreamARN": "string"
           },
           "outputArtifacts": [
              {
                 "name": "string",
                 "s3location": {
                    "bucket": "string",
                    "key": "string"
                 }
              }
           ],
           "outputVariables": {
              "string" : "string"
           }
        },
        "pipelineExecutionId": "string",
        "pipelineVersion": number,
        "stageName": "string",
        "startTime": number,
        "status": "string",
        "updatedBy": "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.

actionExecutionDetails

The details for a list of recent executions, such as action execution ID.

Type: Array of ActionExecutionDetail objects

nextToken

If the amount of returned information is significantly large, an identifier is also returned and can be used in a subsequent `ListActionExecutions` call to return the next set of action executions in the list.

Type: String

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

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidNextTokenException

The next token was specified in an invalid format. Make sure that the next token you provide is the token returned by a previous call.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineExecutionNotFoundException

The pipeline execution was specified in an invalid format or cannot be found, or an execution ID does not belong to the specified pipeline.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

ListActionTypes

Gets a summary of all CodePipeline action types associated with your account.

Request Syntax

```
{
   "actionOwnerFilter": "string",
   "nextToken": "string",
   "regionFilter": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

actionOwnerFilter

Filters the list of action types to those created by a specified entity.

Type: String

Valid Values: `AWS | ThirdParty | Custom`

Required: No

nextToken

An identifier that was returned from the previous list action types call, which can be used to return the next set of action types in the list.

Type: String

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

Required: No

regionFilter

The Region to filter on for the list of action types.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 30.

Required: No

Response Syntax

```
{
   "actionTypes": [
      {
         "actionConfigurationProperties": [
            {
               "description": "string",
               "key": boolean,
               "name": "string",
               "queryable": boolean,
               "required": boolean,
               "secret": boolean,
               "type": "string"
            }
         ],
         "id": {
            "category": "string",
            "owner": "string",
            "provider": "string",
            "version": "string"
         },
         "inputArtifactDetails": {
            "maximumCount": number,
            "minimumCount": number
         },
         "outputArtifactDetails": {
            "maximumCount": number,
            "minimumCount": number
         },
         "settings": {
            "entityUrlTemplate": "string",
            "executionUrlTemplate": "string",
            "revisionUrlTemplate": "string",
            "thirdPartyConfigurationUrl": "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.

actionTypes

Provides details of the action types.

Type: Array of ActionType objects

nextToken

If the amount of returned information is significantly large, an identifier is also returned. It can be used in a subsequent list action types call to return the next set of action types in the list.

Type: String

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

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidNextTokenException

The next token was specified in an invalid format. Make sure that the next token you provide is the token returned by a previous call.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of ListActionTypes.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 2
X-Amz-Target: CodePipeline_20150709.ListActionTypes
X-Amz-Date: 20160707T160551Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20160707/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 8363

{
    "actionTypes": [
        {
            "inputArtifactDetails": {
                "maximumCount": 0,
                "minimumCount": 0
            },
            "actionConfigurationProperties": [
                {
                    "description": "The S3 Bucket",
                    "required": true,
```

```
                    "secret": false,
                    "key": true,
                    "queryable": false,
                    "name": "S3Bucket"
                },
                {
                    "description": "The Amazon S3 object key",
                    "required": true,
                    "secret": false,
                    "key": true,
                    "queryable": false,
                    "name": "S3ObjectKey"
                }
            ],
            "outputArtifactDetails": {
                "maximumCount": 1,
                "minimumCount": 1
            },
            "id": {
                "category": "Source",
                "owner": "AWS",
                "version": "1",
                "provider": "S3"
            },
            "settings": {
                "entityUrlTemplate": "https://console.aws.amazon.com/s3/home?#"
            }
        },
        {
            "inputArtifactDetails": {
                "maximumCount": 1,
                "minimumCount": 1
            },
            "actionConfigurationProperties": [
                {
                    "description": "The Elastic Beanstalk Application name",
                    "required": true,
                    "secret": false,
                    "key": true,
                    "queryable": false,
                    "name": "ApplicationName"
                },
                {
                    "description": "The Elastic Beanstalk Environment name",
```

```
                    "required": true,
                    "secret": false,
                    "key": true,
                    "queryable": false,
                    "name": "EnvironmentName"
                }
            ],
            "outputArtifactDetails": {
                "maximumCount": 0,
                "minimumCount": 0
            },
            "id": {
                "category": "Deploy",
                "owner": "AWS",
                "version": "1",
                "provider": "ElasticBeanstalk"
            },
            "settings": {
                "entityUrlTemplate": "https://console.aws.amazon.com/elasticbeanstalk/
r/application/{Config:ApplicationName}",
                "executionUrlTemplate": "https://console.aws.amazon.com/
elasticbeanstalk/r/application/{Config:ApplicationName}"
            }
        },
        {
            "inputArtifactDetails": {
                "maximumCount": 1,
                "minimumCount": 1
            },
            "actionConfigurationProperties": [
                {
                    "description": "The deployment application name",
                    "required": true,
                    "secret": false,
                    "key": true,
                    "queryable": false,
                    "name": "ApplicationName"
                },
                {
                    "description": "The deployment group name",
                    "required": true,
                    "secret": false,
                    "key": true,
                    "queryable": false,
```

```
                    "name": "DeploymentGroupName"
                }
            ],
            "outputArtifactDetails": {
                "maximumCount": 0,
                "minimumCount": 0
            },
            "id": {
                "category": "Deploy",
                "owner": "AWS",
                "version": "1",
                "provider": "CodeDeploy"
            },
            "settings": {
                "entityUrlTemplate": "https://console.aws.amazon.com/codedeploy/home?#/
applications/{Config:ApplicationName}/deployment-groups/{Config:DeploymentGroupName}",
                "executionUrlTemplate": "https://console.aws.amazon.com/codedeploy/
home?#/deployments/{ExternalExecutionId}"
            }
        },
        {
            "inputArtifactDetails": {
                "maximumCount": 0,
                "minimumCount": 0
            },
            "actionConfigurationProperties": [
                {
                    "description": "The repository owner (username or organization)",
                    "required": true,
                    "secret": false,
                    "key": true,
                    "queryable": false,
                    "name": "Owner"
                },
                {
                    "description": "The name of the repository",
                    "required": true,
                    "secret": false,
                    "key": true,
                    "queryable": false,
                    "name": "Repo"
                },
                {
                    "description": "The tracked branch",
```

```
                    "required": true,
                    "secret": false,
                    "key": true,
                    "queryable": false,
                    "name": "Branch"
                },
                {
                    "description": "The OAuth2 token",
                    "required": true,
                    "secret": true,
                    "key": false,
                    "queryable": false,
                    "name": "OAuthToken"
                }
            ],
            "outputArtifactDetails": {
                "maximumCount": 1,
                "minimumCount": 1
            },
            "id": {
                "category": "Source",
                "owner": "ThirdParty",
                "version": "1",
                "provider": "GitHub"
            },
            "settings": {
                "entityUrlTemplate": "https://github.com/{Config:Owner}/{Config:Repo}/
tree/{Config:Branch}",
                "revisionUrlTemplate": "https://github.com/{Config:Owner}/
{Config:Repo}/commit/{RevisionId}"
            }
        },
        {
            "inputArtifactDetails": {
                "maximumCount": 5,
                "minimumCount": 0
            },
            "actionConfigurationProperties": [
                {
                    "secret": false,
                    "required": true,
                    "name": "JenkinsBuildProject",
                    "key": true,
                    "queryable": true
```

```
                }
            ],
            "outputArtifactDetails": {
                "maximumCount": 5,
                "minimumCount": 0
            },
            "id": {
                "category": "Build",
                "owner": "Custom",
                "version": "1",
                "provider": "JenkinsProviderName"
            },
            "settings": {
                "entityUrlTemplate": "http://192.0.2.4/job/{Config:ProjectName}",
                "executionUrlTemplate": "http://192.0.2.4/job/{Config:ProjectName}/
{ExternalExecutionId}"
            }
        },
        {
            "inputArtifactDetails": {
                "maximumCount": 5,
                "minimumCount": 0
            },
            "actionConfigurationProperties": [
                {
                    "secret": false,
                    "required": true,
                    "name": "JenkinsTestProject",
                    "key": true,
                    "queryable": true
                }
            ],
            "outputArtifactDetails": {
                "maximumCount": 5,
                "minimumCount": 0
            },
            "id": {
                "category": "Test",
                "owner": "Custom",
                "version": "1",
                "provider": "JenkinsProviderName"
            },
            "settings": {
                "entityUrlTemplate": "http://192.0.2.4/job/{Config:ProjectName}",
```

```
                "executionUrlTemplate": "http://192.0.2.4/job/{Config:ProjectName}/
{ExternalExecutionId}"
            }
        }
    ]
}
```

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 (Boto3)
- AWS SDK for Ruby V3

ListDeployActionExecutionTargets

Lists the targets for the deploy action.

Request Syntax

```
{
   "actionExecutionId": "string",
   "filters": [
      {
         "name": "string",
         "values": [ "string" ]
      }
   ],
   "maxResults": number,
   "nextToken": "string",
   "pipelineName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

actionExecutionId

The execution ID for the deploy action.

Type: String

Required: Yes

filters

Filters the targets for a specified deploy action.

Type: Array of TargetFilter objects

Required: No

maxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned nextToken value.

Type: Integer

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

Required: No

nextToken

An identifier that was returned from the previous list action types call, which can be used to return the next set of action types in the list.

Type: String

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

Required: No

pipelineName

The name of the pipeline with the deploy action.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: No

Response Syntax

```
{
   "nextToken": "string",
   "targets": [
      {
         "endTime": number,
         "events": [
            {
```

```
                "context": {
                   "message": "string",
                   "ssmCommandId": "string"
                },
                "endTime": number,
                "name": "string",
                "startTime": number,
                "status": "string"
             }
          ],
          "startTime": number,
          "status": "string",
          "targetId": "string",
          "targetType": "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

An identifier that was returned from the previous list action types call, which can be used to return the next set of action types in the list.

Type: String

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

targets

The targets for the deploy action.

Type: Array of DeployActionExecutionTarget objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

ActionExecutionNotFoundException

The action execution was not found.

HTTP Status Code: 400

InvalidNextTokenException

The next token was specified in an invalid format. Make sure that the next token you provide is the token returned by a previous call.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

ListPipelineExecutions

Gets a summary of the most recent executions for a pipeline.

> **Note**
>
> When applying the filter for pipeline executions that have succeeded in the stage, the operation returns all executions in the current pipeline version beginning on February 1, 2024.

Request Syntax

```
{
   "filter": {
      "succeededInStage": {
         "stageName": "string"
      }
   },
   "maxResults": number,
   "nextToken": "string",
   "pipelineName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

filter

The pipeline execution to filter on.

Type: PipelineExecutionFilter object

Required: No

maxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned nextToken value. Pipeline history is limited to the most recent 12 months, based on pipeline execution start times. Default value is 100.

Type: Integer

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

Required: No

nextToken

The token that was returned from the previous `ListPipelineExecutions` call, which can be used to return the next set of pipeline executions in the list.

Type: String

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

Required: No

pipelineName

The name of the pipeline for which you want to get execution summary information.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

Response Syntax

```
{
   "nextToken": "string",
   "pipelineExecutionSummaries": [
      {
         "executionMode": "string",
```

```
         "executionType": "string",
         "lastUpdateTime": number,
         "pipelineExecutionId": "string",
         "rollbackMetadata": {
            "rollbackTargetPipelineExecutionId": "string"
         },
         "sourceRevisions": [
            {
               "actionName": "string",
               "revisionId": "string",
               "revisionSummary": "string",
               "revisionUrl": "string"
            }
         ],
         "startTime": number,
         "status": "string",
         "statusSummary": "string",
         "stopTrigger": {
            "reason": "string"
         },
         "trigger": {
            "triggerDetail": "string",
            "triggerType": "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

A token that can be used in the next `ListPipelineExecutions` call. To view all items in the list, continue to call this operation with each subsequent token until no more nextToken values are returned.

Type: String

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

pipelineExecutionSummaries

A list of executions in the history of a pipeline.

Type: Array of PipelineExecutionSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidNextTokenException

The next token was specified in an invalid format. Make sure that the next token you provide is the token returned by a previous call.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

ListPipelines

Gets a summary of all of the pipelines associated with your account.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

maxResults

The maximum number of pipelines to return in a single call. To retrieve the remaining pipelines, make another call with the returned nextToken value. The minimum value you can specify is 1. The maximum accepted value is 1000.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

nextToken

An identifier that was returned from the previous list pipelines call. It can be used to return the next set of pipelines in the list.

Type: String

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

Required: No

Response Syntax

```
{
   "nextToken": "string",
   "pipelines": [
      {
         "created": number,
         "executionMode": "string",
         "name": "string",
         "pipelineType": "string",
         "updated": number,
         "version": 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

If the amount of returned information is significantly large, an identifier is also returned. It can be used in a subsequent list pipelines call to return the next set of pipelines in the list.

Type: String

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

pipelines

The list of pipelines.

Type: Array of PipelineSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidNextTokenException

The next token was specified in an invalid format. Make sure that the next token you provide is the token returned by a previous call.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of ListPipelines.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 2
X-Amz-Target: CodePipeline_20150709.ListPipelines
X-Amz-Date: 20160707T160211Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20160707/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 668

{
    "pipelines": [
        {
            "updated": 1444681408.094,
            "version": 1,
            "name": "MyFirstPipeline",
            "created": 1444681408.094
        },
        {
            "updated": 1443048299.639,
            "version": 3,
            "name": "MySecondPipeline",
            "created": 1443046290.003
        }
    ]
}
```

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 (Boto3)
- AWS SDK for Ruby V3

ListRuleExecutions

Lists the rule executions that have occurred in a pipeline configured for conditions with rules.

Request Syntax

```
{
   "filter": {
      "latestInPipelineExecution": {
         "pipelineExecutionId": "string",
         "startTimeRange": "string"
      },
      "pipelineExecutionId": "string"
   },
   "maxResults": number,
   "nextToken": "string",
   "pipelineName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

filter

Input information used to filter rule execution history.

Type: RuleExecutionFilter object

Required: No

maxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned nextToken value. Pipeline history is limited to the most recent 12 months, based on pipeline execution start times. Default value is 100.

Type: Integer

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

Required: No

nextToken

The token that was returned from the previous `ListRuleExecutions` call, which can be used to return the next set of rule executions in the list.

Type: String

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

Required: No

pipelineName

The name of the pipeline for which you want to get execution summary information.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

Response Syntax

```
{
   "nextToken": "string",
   "ruleExecutionDetails": [
      {
         "input": {
            "configuration": {
               "string" : "string"
            },
            "inputArtifacts": [
               {
                  "name": "string",
                  "s3location": {
                     "bucket": "string",
                     "key": "string"
                  }
```

```
                }
            ],
            "region": "string",
            "resolvedConfiguration": {
               "string" : "string"
            },
            "roleArn": "string",
            "ruleTypeId": {
               "category": "string",
               "owner": "string",
               "provider": "string",
               "version": "string"
            }
         },
         "lastUpdateTime": number,
         "output": {
            "executionResult": {
               "errorDetails": {
                  "code": "string",
                  "message": "string"
               },
               "externalExecutionId": "string",
               "externalExecutionSummary": "string",
               "externalExecutionUrl": "string"
            }
         },
         "pipelineExecutionId": "string",
         "pipelineVersion": number,
         "ruleExecutionId": "string",
         "ruleName": "string",
         "stageName": "string",
         "startTime": number,
         "status": "string",
         "updatedBy": "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

A token that can be used in the next `ListRuleExecutions` call. To view all items in the list, continue to call this operation with each subsequent token until no more nextToken values are returned.

Type: String

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

ruleExecutionDetails

Details about the output for listing rule executions.

Type: Array of RuleExecutionDetail objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidNextTokenException

The next token was specified in an invalid format. Make sure that the next token you provide is the token returned by a previous call.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineExecutionNotFoundException

The pipeline execution was specified in an invalid format or cannot be found, or an execution ID does not belong to the specified pipeline.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

ListRuleTypes

Lists the rules for the condition. For more information about conditions, see Stage conditions and How do stage conditions work?.For more information about rules, see the AWS CodePipeline rule reference.

Request Syntax

```
{
   "regionFilter": "string",
   "ruleOwnerFilter": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

regionFilter

The rule Region to filter on.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 30.

Required: No

ruleOwnerFilter

The rule owner to filter on.

Type: String

Valid Values: AWS

Required: No

Response Syntax

```
{
```

```
   "ruleTypes": [
      {
         "id": {
            "category": "string",
            "owner": "string",
            "provider": "string",
            "version": "string"
         },
         "inputArtifactDetails": {
            "maximumCount": number,
            "minimumCount": number
         },
         "ruleConfigurationProperties": [
            {
               "description": "string",
               "key": boolean,
               "name": "string",
               "queryable": boolean,
               "required": boolean,
               "secret": boolean,
               "type": "string"
            }
         ],
         "settings": {
            "entityUrlTemplate": "string",
            "executionUrlTemplate": "string",
            "revisionUrlTemplate": "string",
            "thirdPartyConfigurationUrl": "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.

ruleTypes

Lists the rules that are configured for the condition.

Type: Array of RuleType objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidNextTokenException

The next token was specified in an invalid format. Make sure that the next token you provide is the token returned by a previous call.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

ListTagsForResource

Gets the set of key-value pairs (metadata) that are used to manage the resource.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

maxResults

The maximum number of results to return in a single call.

Type: Integer

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

Required: No

nextToken

The token that was returned from the previous API call, which would be used to return the next page of the list. The ListTagsforResource call lists all available tags in one call and does not use pagination.

Type: String

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

Required: No

resourceArn

The Amazon Resource Name (ARN) of the resource to get tags for.

Type: String

Pattern: `arn:aws(-[\w]+)*:codepipeline:.+:[0-9]{12}:.+`

Required: Yes

Response Syntax

```
{
   "nextToken": "string",
   "tags": [
      {
         "key": "string",
         "value": "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

If the amount of returned information is significantly large, an identifier is also returned and can be used in a subsequent API call to return the next page of the list. The ListTagsforResource call lists all available tags in one call and does not use pagination.

Type: String

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

tags

The tags for the resource.

Type: Array of Tag objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidArnException

The specified resource ARN is invalid.

HTTP Status Code: 400

InvalidNextTokenException

The next token was specified in an invalid format. Make sure that the next token you provide is the token returned by a previous call.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ResourceNotFoundException

The resource was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

ListWebhooks

Gets a listing of all the webhooks in this AWS Region for this account. The output lists all webhooks and includes the webhook URL and ARN and the configuration for each webhook.

> **Note**
>
> If a secret token was provided, it will be redacted in the response.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned nextToken value.

Type: Integer

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

Required: No

NextToken

The token that was returned from the previous ListWebhooks call, which can be used to return the next set of webhooks in the list.

Type: String

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

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "webhooks": [
      {
         "arn": "string",
         "definition": {
            "authentication": "string",
            "authenticationConfiguration": {
               "AllowedIPRange": "string",
               "SecretToken": "string"
            },
            "filters": [
               {
                  "jsonPath": "string",
                  "matchEquals": "string"
               }
            ],
            "name": "string",
            "targetAction": "string",
            "targetPipeline": "string"
         },
         "errorCode": "string",
         "errorMessage": "string",
         "lastTriggered": number,
         "tags": [
            {
               "key": "string",
               "value": "string"
            }
         ],
         "url": "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

If the amount of returned information is significantly large, an identifier is also returned and can be used in a subsequent ListWebhooks call to return the next set of webhooks in the list.

Type: String

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

webhooks

The JSON detail returned for each webhook in the list output for the ListWebhooks call.

Type: Array of ListWebhookItem objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidNextTokenException

The next token was specified in an invalid format. Make sure that the next token you provide is the token returned by a previous call.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

OverrideStageCondition

Used to override a stage condition. For more information about conditions, see Stage conditions and How do stage conditions work?.

Request Syntax

```
{
   "conditionType": "string",
   "pipelineExecutionId": "string",
   "pipelineName": "string",
   "stageName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

conditionType

The type of condition to override for the stage, such as entry conditions, failure conditions, or success conditions.

Type: String

Valid Values: `BEFORE_ENTRY | ON_SUCCESS`

Required: Yes

pipelineExecutionId

The ID of the pipeline execution for the override.

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

pipelineName

The name of the pipeline with the stage that will override the condition.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

stageName

The name of the stage for the override.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

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.

ConcurrentPipelineExecutionsLimitExceededException

The pipeline has reached the limit for concurrent pipeline executions.

HTTP Status Code: 400

ConditionNotOverridableException

Unable to override because the condition does not allow overrides.

HTTP Status Code: 400

ConflictException

Your request cannot be handled because the pipeline is busy handling ongoing activities. Try again later.

HTTP Status Code: 409

NotLatestPipelineExecutionException

The stage has failed in a later run of the pipeline and the `pipelineExecutionId` associated with the request is out of date.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

StageNotFoundException

The stage was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

PollForJobs

Returns information about any jobs for CodePipeline to act on. `PollForJobs` is valid only for action types with "Custom" in the owner field. If the action type contains `AWS` or `ThirdParty` in the owner field, the `PollForJobs` action returns an error.

> **Important**
>
> When this API is called, CodePipeline returns temporary credentials for the S3 bucket used to store artifacts for the pipeline, if the action requires access to that S3 bucket for input or output artifacts. This API also returns any secret values defined for the action.

Request Syntax

```
{
   "actionTypeId": {
      "category": "string",
      "owner": "string",
      "provider": "string",
      "version": "string"
   },
   "maxBatchSize": number,
   "queryParam": {
      "string" : "string"
   }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

actionTypeId

Represents information about an action type.

Type: ActionTypeId object

Required: Yes

maxBatchSize

The maximum number of jobs to return in a poll for jobs call.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

queryParam

A map of property names and values. For an action type with no queryable properties, this value must be null or an empty map. For an action type with a queryable property, you must supply that property as a key in the map. Only jobs whose action configuration matches the mapped value are returned.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 1 item.

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

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

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

Required: No

Response Syntax

```
{
   "jobs": [
      {
         "accountId": "string",
         "data": {
            "actionConfiguration": {
               "configuration": {
                  "string" : "string"
               }
            },
            "actionTypeId": {
               "category": "string",
               "owner": "string",
```

```
            "provider": "string",
            "version": "string"
         },
         "artifactCredentials": {
            "accessKeyId": "string",
            "secretAccessKey": "string",
            "sessionToken": "string"
         },
         "continuationToken": "string",
         "encryptionKey": {
            "id": "string",
            "type": "string"
         },
         "inputArtifacts": [
            {
               "location": {
                  "s3Location": {
                     "bucketName": "string",
                     "objectKey": "string"
                  },
                  "type": "string"
               },
               "name": "string",
               "revision": "string"
            }
         ],
         "outputArtifacts": [
            {
               "location": {
                  "s3Location": {
                     "bucketName": "string",
                     "objectKey": "string"
                  },
                  "type": "string"
               },
               "name": "string",
               "revision": "string"
            }
         ],
         "pipelineContext": {
            "action": {
               "actionExecutionId": "string",
               "name": "string"
            },
```

```
                "pipelineArn": "string",
                "pipelineExecutionId": "string",
                "pipelineName": "string",
                "stage": {
                   "name": "string"
                }
             }
          },
          "id": "string",
          "nonce": "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.

jobs

Information about the jobs to take action on.

Type: Array of Job objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

ActionTypeNotFoundException

The specified action type cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of PollForJobs.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 173
X-Amz-Target: CodePipeline_20150709.PollForJobs
X-Amz-Date: 20151030T230047Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20151030/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
  "actionTypeId": {
    "category": "Test",
    "owner": "Custom",
    "version": "1",
    "provider": "JenkinsProviderName"
  },
  "maxBatchSize": 5,
  "queryParam": {
    "ProjectName": "JenkinsTestProject"
  }
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
```

```
Content-Type: application/x-amz-json-1.1
Content-Length: 1830

{
  "jobs": [
    {
      "accountId": "111111111111",
      "data": {
        "actionConfiguration": {
          "__type": "ActionConfiguration",
          "configuration": {
            "ProjectName": "JenkinsTestProject"
          }
        },
        "actionTypeId": {
          "__type": "ActionTypeId",
          "category": "Test",
          "owner": "Custom",
          "provider": "JenkinsProviderName",
          "version": "1"
        },
        "artifactCredentials": {
          "__type": "AWSSessionCredentials",
          "accessKeyId": "AKIAIOSFODNN7EXAMPLE",
          "secretAccessKey": "wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY",
          "sessionToken":
 "fICCQD6m7oRw0uXOjANBgkqhkiG9w0BAQUFADCBiDELMAkGA1UEBhMCVVMxCzAJBgNVBAgTAldBMRAwDgYDVQQHEwdTZW
+a4GmWIWJ21uUSfwfEvySWtC2XADZ4nB+BLYgVIk60CpiwsZ3G93vUEIO3IyNoH/
f0wYK8m9TrDHudUZg3qX4waLG5M43q7Wgc/
MbQITxOUSQv7c7ugFFDzQGBzZswY6786m86gpEIbb3OhjZnzcvQAaRHhdlQWIMm2nrAgMBAAEwDQYJKoZIhvcNAQEFBQADg
+auNKyExzyLwaxlAoo7TJHidbtS4J5iNmZgXL0FkbFFBjvSfpJIlJ00zbhNYS5f6GuoEDmFJl0ZxBHjJnyp378OD8uTs7fL
        },
        "inputArtifacts": [
          {
            "__type": "Artifact",
            "location": {
              "s3Location": {
                "bucketName": "amzn-s3-demo-bucket",
                "objectKey": "MySecondPipeline/MyAppBuild/EXAMPLE"
              },
              "type": "S3"
            },
            "name": "MyAppBuild"
          }
```

```
        ],
        "outputArtifacts": [],
        "pipelineContext": {
          "__type": "PipelineContext",
          "action": {
            "name": "JenkinsTestAction"
          },
          "pipelineName": "MySecondPipeline",
          "stage": {
            "name": "Testing"
          }
        }
      },
      "id": "ef66c259-64f9-EXAMPLE",
      "nonce": "3"
    }
  ]
}
```

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 (Boto3)
- AWS SDK for Ruby V3

PollForThirdPartyJobs

Determines whether there are any third party jobs for a job worker to act on. Used for partner actions only.

> **Important**
>
> When this API is called, CodePipeline returns temporary credentials for the S3 bucket used to store artifacts for the pipeline, if the action requires access to that S3 bucket for input or output artifacts.

Request Syntax

```
{
   "actionTypeId": {
      "category": "string",
      "owner": "string",
      "provider": "string",
      "version": "string"
   },
   "maxBatchSize": number
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

actionTypeId

Represents information about an action type.

Type: ActionTypeId object

Required: Yes

maxBatchSize

The maximum number of jobs to return in a poll for jobs call.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

Response Syntax

```
{
   "jobs": [
      {
         "clientId": "string",
         "jobId": "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.

jobs

Information about the jobs to take action on.

Type: Array of ThirdPartyJob objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

ActionTypeNotFoundException

The specified action type cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

PutActionRevision

Provides information to CodePipeline about new revisions to a source.

Request Syntax

```
{
   "actionName": "string",
   "actionRevision": {
      "created": number,
      "revisionChangeId": "string",
      "revisionId": "string"
   },
   "pipelineName": "string",
   "stageName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

actionName

The name of the action that processes the revision.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

actionRevision

Represents information about the version (or revision) of an action.

Type: ActionRevision object

Required: Yes

pipelineName

The name of the pipeline that starts processing the revision to the source.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

stageName

The name of the stage that contains the action that acts on the revision.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

Response Syntax

```
{
   "newRevision": boolean,
   "pipelineExecutionId": "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.

newRevision

Indicates whether the artifact revision was previously used in an execution of the specified pipeline.

Type: Boolean

pipelineExecutionId

The ID of the current workflow state of the pipeline.

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.

ActionNotFoundException

The specified action cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ConcurrentPipelineExecutionsLimitExceededException

The pipeline has reached the limit for concurrent pipeline executions.

HTTP Status Code: 400

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

StageNotFoundException

The stage was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of PutActionRevision.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 173
X-Amz-Target: CodePipeline_20150709.PutActionRevision
X-Amz-Date: 20151030T230047Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20151030/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
   "actionName": "Source",
   "actionRevision": {
      "created": 1446726163.571,
   "revisionChangeId": "3fdd7b9196697a096d5af1d649e26a4a",
      "revisionId": "HYGp7zmwbCPPwo234xsCEM7d6ToeAqIl"
   },
   "pipelineName": "MyFirstPipeline",
   "stageName": "Staging"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 1830

{
   "newRevision": true,
   "pipelineExecutionId": "42ee4d10-e4de-a37c-82b7-36c11EXAMPLE"
}
```

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 (Boto3)
- AWS SDK for Ruby V3

PutApprovalResult

Provides the response to a manual approval request to CodePipeline. Valid responses include Approved and Rejected.

Request Syntax

```
{
   "actionName": "string",
   "pipelineName": "string",
   "result": {
      "status": "string",
      "summary": "string"
   },
   "stageName": "string",
   "token": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

actionName

The name of the action for which approval is requested.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

pipelineName

The name of the pipeline that contains the action.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

result

Represents information about the result of the approval request.

Type: ApprovalResult object

Required: Yes

stageName

The name of the stage that contains the action.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

token

The system-generated token used to identify a unique approval request. The token for each open approval request can be obtained using the GetPipelineState action. It is used to validate that the approval request corresponding to this token is still valid.

> **Important**
>
> For a pipeline where the execution mode is set to PARALLEL, the token required to approve/reject an approval request as detailed above is not available. Instead, use the `externalExecutionId` in the response output from the ListActionExecutions action as the token in the approval request.

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

Response Syntax

```
{
   "approvedAt": 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.

approvedAt

The timestamp showing when the approval or rejection was submitted.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

ActionNotFoundException

The specified action cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ApprovalAlreadyCompletedException

The approval action has already been approved or rejected.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

InvalidApprovalTokenException

The approval request already received a response or has expired.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

StageNotFoundException

The stage was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of PutApprovalResult.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
```

```
Accept-Encoding: identity
Content-Length: 173
X-Amz-Target: CodePipeline_20150709.PutApprovalResult
X-Amz-Date: 20151030T230047Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20151030/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
   "actionName": "MyApprovalAction",
   "pipelineName": "MyFirstPipeline",
   "result": {
      "status": "Approved",
      "summary": "Latest changes meet the bar. Ship it!"
   },
   "stageName": "MyApprovalStage",
   "token": "1a2b3c4d-573f-4ea7-a67E-XAMPLETOKEN"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 24

{
   "approvedAt": 1466137312.204
}
```

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 (Boto3)
- AWS SDK for Ruby V3

PutJobFailureResult

Represents the failure of a job as returned to the pipeline by a job worker. Used for custom actions only.

Request Syntax

```
{
   "failureDetails": {
      "externalExecutionId": "string",
      "message": "string",
      "type": "string"
   },
   "jobId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

failureDetails

The details about the failure of a job.

Type: FailureDetails object

Required: Yes

jobId

The unique system-generated ID of the job that failed. This is the same ID returned from `PollForJobs`.

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

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.

InvalidJobStateException

The job state was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

JobNotFoundException

The job was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

PutJobSuccessResult

Represents the success of a job as returned to the pipeline by a job worker. Used for custom actions only.

Request Syntax

```
{
   "continuationToken": "string",
   "currentRevision": {
      "changeIdentifier": "string",
      "created": number,
      "revision": "string",
      "revisionSummary": "string"
   },
   "executionDetails": {
      "externalExecutionId": "string",
      "percentComplete": number,
      "summary": "string"
   },
   "jobId": "string",
   "outputVariables": {
      "string" : "string"
   }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

continuationToken

A token generated by a job worker, such as a CodeDeploy deployment ID, that a successful job provides to identify a custom action in progress. Future jobs use this token to identify the running instance of the action. It can be reused to return more information about the progress of the custom action. When the action is complete, no continuation token should be supplied.

Type: String

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

Required: No

currentRevision

The ID of the current revision of the artifact successfully worked on by the job.

Type: CurrentRevision object

Required: No

executionDetails

The execution details of the successful job, such as the actions taken by the job worker.

Type: ExecutionDetails object

Required: No

jobId

The unique system-generated ID of the job that succeeded. This is the same ID returned from `PollForJobs`.

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

outputVariables

Key-value pairs produced as output by a job worker that can be made available to a downstream action configuration. `outputVariables` can be included only when there is no continuation token on the request.

Type: String to string map

Key Pattern: `[A-Za-z0-9@\-_]+`

Required: No

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.

InvalidJobStateException

The job state was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

JobNotFoundException

The job was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

OutputVariablesSizeExceededException

Exceeded the total size limit for all variables in the pipeline.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

PutThirdPartyJobFailureResult

Represents the failure of a third party job as returned to the pipeline by a job worker. Used for partner actions only.

Request Syntax

```
{
   "clientToken": "string",
   "failureDetails": {
      "externalExecutionId": "string",
      "message": "string",
      "type": "string"
   },
   "jobId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

clientToken

The clientToken portion of the clientId and clientToken pair used to verify that the calling entity is allowed access to the job and its details.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

failureDetails

Represents information about failure details.

Type: FailureDetails object

Required: Yes

jobId

The ID of the job that failed. This is the same ID returned from `PollForThirdPartyJobs`.

Type: String

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

Required: Yes

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.

InvalidClientTokenException

The client token was specified in an invalid format

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

InvalidJobStateException

The job state was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

JobNotFoundException

The job was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

PutThirdPartyJobSuccessResult

Represents the success of a third party job as returned to the pipeline by a job worker. Used for partner actions only.

Request Syntax

```
{
   "clientToken": "string",
   "continuationToken": "string",
   "currentRevision": {
      "changeIdentifier": "string",
      "created": number,
      "revision": "string",
      "revisionSummary": "string"
   },
   "executionDetails": {
      "externalExecutionId": "string",
      "percentComplete": number,
      "summary": "string"
   },
   "jobId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

clientToken

The clientToken portion of the clientId and clientToken pair used to verify that the calling entity is allowed access to the job and its details.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

continuationToken

A token generated by a job worker, such as a CodeDeploy deployment ID, that a successful job provides to identify a partner action in progress. Future jobs use this token to identify the running instance of the action. It can be reused to return more information about the progress of the partner action. When the action is complete, no continuation token should be supplied.

Type: String

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

Required: No

currentRevision

Represents information about a current revision.

Type: CurrentRevision object

Required: No

executionDetails

The details of the actions taken and results produced on an artifact as it passes through stages in the pipeline.

Type: ExecutionDetails object

Required: No

jobId

The ID of the job that successfully completed. This is the same ID returned from `PollForThirdPartyJobs`.

Type: String

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

Required: Yes

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.

InvalidClientTokenException

The client token was specified in an invalid format

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

InvalidJobStateException

The job state was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

JobNotFoundException

The job was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

PutWebhook

Defines a webhook and returns a unique webhook URL generated by CodePipeline. This URL can be supplied to third party source hosting providers to call every time there's a code change. When CodePipeline receives a POST request on this URL, the pipeline defined in the webhook is started as long as the POST request satisfied the authentication and filtering requirements supplied when defining the webhook. RegisterWebhookWithThirdParty and DeregisterWebhookWithThirdParty APIs can be used to automatically configure supported third parties to call the generated webhook URL.

Important

When creating CodePipeline webhooks, do not use your own credentials or reuse the same secret token across multiple webhooks. For optimal security, generate a unique secret token for each webhook you create. The secret token is an arbitrary string that you provide, which GitHub uses to compute and sign the webhook payloads sent to CodePipeline, for protecting the integrity and authenticity of the webhook payloads. Using your own credentials or reusing the same token across multiple webhooks can lead to security vulnerabilities.

Note

If a secret token was provided, it will be redacted in the response.

Request Syntax

```
{
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ],
   "webhook": {
      "authentication": "string",
      "authenticationConfiguration": {
         "AllowedIPRange": "string",
```

```
            "SecretToken": "string"
         },
         "filters": [
            {
               "jsonPath": "string",
               "matchEquals": "string"
            }
         ],
         "name": "string",
         "targetAction": "string",
         "targetPipeline": "string"
      }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

tags

The tags for the webhook.

Type: Array of Tag objects

Required: No

webhook

The detail provided in an input file to create the webhook, such as the webhook name, the pipeline name, and the action name. Give the webhook a unique name that helps you identify it. You might name the webhook after the pipeline and action it targets so that you can easily recognize what it's used for later.

Type: WebhookDefinition object

Required: Yes

Response Syntax

```
{
```

```
   "webhook": {
      "arn": "string",
      "definition": {
         "authentication": "string",
         "authenticationConfiguration": {
            "AllowedIPRange": "string",
            "SecretToken": "string"
         },
         "filters": [
            {
               "jsonPath": "string",
               "matchEquals": "string"
            }
         ],
         "name": "string",
         "targetAction": "string",
         "targetPipeline": "string"
      },
      "errorCode": "string",
      "errorMessage": "string",
      "lastTriggered": number,
      "tags": [
         {
            "key": "string",
            "value": "string"
         }
      ],
      "url": "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.

webhook

The detail returned from creating the webhook, such as the webhook name, webhook URL, and webhook ARN.

Type: ListWebhookItem object

Errors

For information about the errors that are common to all actions, see Common Error Types.

ConcurrentModificationException

Unable to modify the tag due to a simultaneous update request.

HTTP Status Code: 400

InvalidTagsException

The specified resource tags are invalid.

HTTP Status Code: 400

InvalidWebhookAuthenticationParametersException

The specified authentication type is in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

InvalidWebhookFilterPatternException

The specified event filter rule is in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

LimitExceededException

The number of pipelines associated with the AWS account has exceeded the limit allowed for the account.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

TooManyTagsException

The tags limit for a resource has been exceeded.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

RegisterWebhookWithThirdParty

Configures a connection between the webhook that was created and the external tool with events to be detected.

Request Syntax

```
{
   "webhookName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

webhookName

The name of an existing webhook created with PutWebhook to register with a supported third party.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: No

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.

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

WebhookNotFoundException

The specified webhook was entered in an invalid format or cannot be found.

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 (Boto3)
- AWS SDK for Ruby V3

RetryStageExecution

You can retry a stage that has failed without having to run a pipeline again from the beginning. You do this by either retrying the failed actions in a stage or by retrying all actions in the stage starting from the first action in the stage. When you retry the failed actions in a stage, all actions that are still in progress continue working, and failed actions are triggered again. When you retry a failed stage from the first action in the stage, the stage cannot have any actions in progress. Before a stage can be retried, it must either have all actions failed or some actions failed and some succeeded.

Request Syntax

```
{
   "pipelineExecutionId": "string",
   "pipelineName": "string",
   "retryMode": "string",
   "stageName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

pipelineExecutionId

The ID of the pipeline execution in the failed stage to be retried. Use the GetPipelineState action to retrieve the current pipelineExecutionId of the failed stage

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

pipelineName

The name of the pipeline that contains the failed stage.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

retryMode

The scope of the retry attempt.

Type: String

Valid Values: `FAILED_ACTIONS | ALL_ACTIONS`

Required: Yes

stageName

The name of the failed stage to be retried.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

Response Syntax

```
{
   "pipelineExecutionId": "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.

pipelineExecutionId

The ID of the current workflow execution in the failed stage.

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.

ConcurrentPipelineExecutionsLimitExceededException

The pipeline has reached the limit for concurrent pipeline executions.

HTTP Status Code: 400

ConflictException

Your request cannot be handled because the pipeline is busy handling ongoing activities. Try again later.

HTTP Status Code: 409

NotLatestPipelineExecutionException

The stage has failed in a later run of the pipeline and the `pipelineExecutionId` associated with the request is out of date.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

StageNotFoundException

The stage was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

StageNotRetryableException

Unable to retry. The pipeline structure or stage state might have changed while actions awaited retry, or the stage contains no failed actions.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of RetryStageExecution.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 173
X-Amz-Target: CodePipeline_20150709.RetryStageExecution
X-Amz-Date: 20151030T230047Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
```

```
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20151030/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
   "pipelineExecutionId": "3137f7cb-7cf7-EXAMPLE",
   "pipelineName": "MyFirstPipeline",
   "retryMode": "FAILED_ACTIONS",
   "stageName": "Staging"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 30

{
   "pipelineExecutionId": "3137f7cb-7cf7-EXAMPLE"
}
```

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 (Boto3)
- AWS SDK for Ruby V3

RollbackStage

Rolls back a stage execution.

Request Syntax

```
{
   "pipelineName": "string",
   "stageName": "string",
   "targetPipelineExecutionId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

pipelineName

The name of the pipeline for which the stage will be rolled back.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

stageName

The name of the stage in the pipeline to be rolled back.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

targetPipelineExecutionId

The pipeline execution ID for the stage to be rolled back to.

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

Response Syntax

```
{
   "pipelineExecutionId": "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.

pipelineExecutionId

The execution ID of the pipeline execution for the stage that has been rolled back.

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.

ConflictException

Your request cannot be handled because the pipeline is busy handling ongoing activities. Try again later.

HTTP Status Code: 409

PipelineExecutionNotFoundException

The pipeline execution was specified in an invalid format or cannot be found, or an execution ID does not belong to the specified pipeline.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

PipelineExecutionOutdatedException

The specified pipeline execution is outdated and cannot be used as a target pipeline execution for rollback.

HTTP Status Code: 400

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

StageNotFoundException

The stage was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

UnableToRollbackStageException

Unable to roll back the stage. The cause might be if the pipeline version has changed since the target pipeline execution was deployed, the stage is currently running, or an incorrect target pipeline execution ID was provided.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

StartPipelineExecution

Starts the specified pipeline. Specifically, it begins processing the latest commit to the source location specified as part of the pipeline.

Request Syntax

```
{
   "clientRequestToken": "string",
   "name": "string",
   "sourceRevisions": [
      {
         "actionName": "string",
         "revisionType": "string",
         "revisionValue": "string"
      }
   ],
   "variables": [
      {
         "name": "string",
         "value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

clientRequestToken

The system-generated unique ID used to identify a unique execution request.

Type: String

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

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

Required: No

name

The name of the pipeline to start.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

sourceRevisions

A list that allows you to specify, or override, the source revision for a pipeline execution that's being started. A source revision is the version with all the changes to your application code, or source artifact, for the pipeline execution.

Type: Array of SourceRevisionOverride objects

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

Required: No

variables

A list that overrides pipeline variables for a pipeline execution that's being started. Variable names must match `[A-Za-z0-9@\-_]+`, and the values can be anything except an empty string.

Type: Array of PipelineVariable objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Response Syntax

```
{
   "pipelineExecutionId": "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.

pipelineExecutionId

The unique system-generated ID of the pipeline execution that was started.

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.

ConcurrentPipelineExecutionsLimitExceededException

The pipeline has reached the limit for concurrent pipeline executions.

HTTP Status Code: 400

ConflictException

Your request cannot be handled because the pipeline is busy handling ongoing activities. Try again later.

HTTP Status Code: 409

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of StartPipelineExecution.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 27
X-Amz-Target: CodePipeline_20150709.StartPipelineExecution
X-Amz-Date: 20160707T172713Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20160707/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
  "name": "MyFirstPipeline"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 62

{
  "pipelineExecutionId": "3137f7cb-7cf7-EXAMPLE"
}
```

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 (Boto3)
- AWS SDK for Ruby V3

StopPipelineExecution

Stops the specified pipeline execution. You choose to either stop the pipeline execution by completing in-progress actions without starting subsequent actions, or by abandoning in-progress actions. While completing or abandoning in-progress actions, the pipeline execution is in a `Stopping` state. After all in-progress actions are completed or abandoned, the pipeline execution is in a `Stopped` state.

Request Syntax

```
{
   "abandon": boolean,
   "pipelineExecutionId": "string",
   "pipelineName": "string",
   "reason": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

abandon

Use this option to stop the pipeline execution by abandoning, rather than finishing, in-progress actions.

> **Note**
>
> This option can lead to failed or out-of-sequence tasks.

Type: Boolean

Required: No

pipelineExecutionId

The ID of the pipeline execution to be stopped in the current stage. Use the `GetPipelineState` action to retrieve the current pipelineExecutionId.

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

pipelineName

The name of the pipeline to stop.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

reason

Use this option to enter comments, such as the reason the pipeline was stopped.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 200.

Required: No

Response Syntax

```
{
   "pipelineExecutionId": "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.

pipelineExecutionId

The unique system-generated ID of the pipeline execution that was stopped.

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.

ConflictException

Your request cannot be handled because the pipeline is busy handling ongoing activities. Try again later.

HTTP Status Code: 409

DuplicatedStopRequestException

The pipeline execution is already in a `Stopping` state. If you already chose to stop and wait, you cannot make that request again. You can choose to stop and abandon now, but be aware that this option can lead to failed tasks or out of sequence tasks. If you already chose to stop and abandon, you cannot make that request again.

HTTP Status Code: 400

PipelineExecutionNotStoppableException

Unable to stop the pipeline execution. The execution might already be in a `Stopped` state, or it might no longer be in progress.

HTTP Status Code: 400

PipelineNotFoundException

The pipeline was specified in an invalid format or cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

TagResource

Adds to or modifies the tags of the given resource. Tags are metadata that can be used to manage a resource.

Request Syntax

```
{
   "resourceArn": "string",
   "tags": [
      {
         "key": "string",
         "value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

resourceArn

The Amazon Resource Name (ARN) of the resource you want to add tags to.

Type: String

Pattern: `arn:aws(-[\w]+)*:codepipeline:.+:[0-9]{12}:.+`

Required: Yes

tags

The tags you want to modify or add to the resource.

Type: Array of Tag objects

Required: Yes

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.

ConcurrentModificationException

Unable to modify the tag due to a simultaneous update request.

HTTP Status Code: 400

InvalidArnException

The specified resource ARN is invalid.

HTTP Status Code: 400

InvalidTagsException

The specified resource tags are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The resource was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

TooManyTagsException

The tags limit for a resource has been exceeded.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

UntagResource

Removes tags from an AWS resource.

Request Syntax

```
{
   "resourceArn": "string",
   "tagKeys": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

resourceArn

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

Type: String

Pattern: `arn:aws(-[\w]+)*:codepipeline:.+:[0-9]{12}:.+`

Required: Yes

tagKeys

The list of keys for the tags to be removed from the resource.

Type: Array of strings

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

Required: Yes

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.

ConcurrentModificationException

Unable to modify the tag due to a simultaneous update request.

HTTP Status Code: 400

InvalidArnException

The specified resource ARN is invalid.

HTTP Status Code: 400

InvalidTagsException

The specified resource tags are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The resource was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

UpdateActionType

Updates an action type that was created with any supported integration model, where the action type is to be used by customers of the action type provider. Use a JSON file with the action definition and `UpdateActionType` to provide the full structure.

Request Syntax

```
{
   "actionType": {
      "description": "string",
      "executor": {
         "configuration": {
            "jobWorkerExecutorConfiguration": {
               "pollingAccounts": [ "string" ],
               "pollingServicePrincipals": [ "string" ]
            },
            "lambdaExecutorConfiguration": {
               "lambdaFunctionArn": "string"
            }
         },
         "jobTimeout": number,
         "policyStatementsTemplate": "string",
         "type": "string"
      },
      "id": {
         "category": "string",
         "owner": "string",
         "provider": "string",
         "version": "string"
      },
      "inputArtifactDetails": {
         "maximumCount": number,
         "minimumCount": number
      },
      "outputArtifactDetails": {
         "maximumCount": number,
         "minimumCount": number
      },
      "permissions": {
         "allowedAccounts": [ "string" ]
      },
```

```
      "properties": [
         {
            "description": "string",
            "key": boolean,
            "name": "string",
            "noEcho": boolean,
            "optional": boolean,
            "queryable": boolean
         }
      ],
      "urls": {
         "configurationUrl": "string",
         "entityUrlTemplate": "string",
         "executionUrlTemplate": "string",
         "revisionUrlTemplate": "string"
      }
   }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

actionType

The action type definition for the action type to be updated.

Type: ActionTypeDeclaration object

Required: Yes

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.

ActionTypeNotFoundException

The specified action type cannot be found.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

RequestFailedException

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

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

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 (Boto3)
- AWS SDK for Ruby V3

UpdatePipeline

Updates a specified pipeline with edits or changes to its structure. Use a JSON file with the pipeline structure and `UpdatePipeline` to provide the full structure of the pipeline. Updating the pipeline increases the version number of the pipeline by 1.

Request Syntax

```
{
   "pipeline": {
      "artifactStore": {
         "encryptionKey": {
            "id": "string",
            "type": "string"
         },
         "location": "string",
         "type": "string"
      },
      "artifactStores": {
         "string" : {
            "encryptionKey": {
               "id": "string",
               "type": "string"
            },
            "location": "string",
            "type": "string"
         }
      },
      "executionMode": "string",
      "name": "string",
      "pipelineType": "string",
      "roleArn": "string",
      "stages": [
         {
            "actions": [
               {
                  "actionTypeId": {
                     "category": "string",
                     "owner": "string",
                     "provider": "string",
                     "version": "string"
                  },
```

```
                "commands": [ "string" ],
                "configuration": {
                   "string" : "string"
                },
                "environmentVariables": [
                   {
                      "name": "string",
                      "type": "string",
                      "value": "string"
                   }
                ],
                "inputArtifacts": [
                   {
                      "name": "string"
                   }
                ],
                "name": "string",
                "namespace": "string",
                "outputArtifacts": [
                   {
                      "files": [ "string" ],
                      "name": "string"
                   }
                ],
                "outputVariables": [ "string" ],
                "region": "string",
                "roleArn": "string",
                "runOrder": number,
                "timeoutInMinutes": number
             }
          ],
          "beforeEntry": {
             "conditions": [
                {
                   "result": "string",
                   "rules": [
                      {
                         "commands": [ "string" ],
                         "configuration": {
                            "string" : "string"
                         },
                         "inputArtifacts": [
                            {
                               "name": "string"
```

```
                        }
                    ],
                    "name": "string",
                    "region": "string",
                    "roleArn": "string",
                    "ruleTypeId": {
                        "category": "string",
                        "owner": "string",
                        "provider": "string",
                        "version": "string"
                    },
                    "timeoutInMinutes": number
                }
            ]
        }
    ]
},
"blockers": [
    {
        "name": "string",
        "type": "string"
    }
],
"name": "string",
"onFailure": {
    "conditions": [
        {
            "result": "string",
            "rules": [
                {
                    "commands": [ "string" ],
                    "configuration": {
                        "string" : "string"
                    },
                    "inputArtifacts": [
                        {
                            "name": "string"
                        }
                    ],
                    "name": "string",
                    "region": "string",
                    "roleArn": "string",
                    "ruleTypeId": {
                        "category": "string",
```

```
                        "owner": "string",
                        "provider": "string",
                        "version": "string"
                     },
                     "timeoutInMinutes": number
                  }
               ]
            }
         ],
         "result": "string",
         "retryConfiguration": {
            "retryMode": "string"
         }
      },
      "onSuccess": {
         "conditions": [
            {
               "result": "string",
               "rules": [
                  {
                     "commands": [ "string" ],
                     "configuration": {
                        "string" : "string"
                     },
                     "inputArtifacts": [
                        {
                           "name": "string"
                        }
                     ],
                     "name": "string",
                     "region": "string",
                     "roleArn": "string",
                     "ruleTypeId": {
                        "category": "string",
                        "owner": "string",
                        "provider": "string",
                        "version": "string"
                     },
                     "timeoutInMinutes": number
                  }
               ]
            }
         ]
      }
```

```
      }
   ],
   "triggers": [
      {
         "gitConfiguration": {
            "pullRequest": [
               {
                  "branches": {
                     "excludes": [ "string" ],
                     "includes": [ "string" ]
                  },
                  "events": [ "string" ],
                  "filePaths": {
                     "excludes": [ "string" ],
                     "includes": [ "string" ]
                  }
               }
            ],
            "push": [
               {
                  "branches": {
                     "excludes": [ "string" ],
                     "includes": [ "string" ]
                  },
                  "filePaths": {
                     "excludes": [ "string" ],
                     "includes": [ "string" ]
                  },
                  "tags": {
                     "excludes": [ "string" ],
                     "includes": [ "string" ]
                  }
               }
            ],
            "sourceActionName": "string"
         },
         "providerType": "string"
      }
   ],
   "variables": [
      {
         "defaultValue": "string",
         "description": "string",
         "name": "string"
```

```
            }
        ],
        "version": number
    }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

pipeline

The name of the pipeline to be updated.

Type: PipelineDeclaration object

Required: Yes

Response Syntax

```
{
   "pipeline": {
      "artifactStore": {
         "encryptionKey": {
            "id": "string",
            "type": "string"
         },
         "location": "string",
         "type": "string"
      },
      "artifactStores": {
         "string" : {
            "encryptionKey": {
               "id": "string",
               "type": "string"
            },
            "location": "string",
            "type": "string"
         }
      },
      "executionMode": "string",
```

```
      "name": "string",
      "pipelineType": "string",
      "roleArn": "string",
      "stages": [
         {
            "actions": [
               {
                  "actionTypeId": {
                     "category": "string",
                     "owner": "string",
                     "provider": "string",
                     "version": "string"
                  },
                  "commands": [ "string" ],
                  "configuration": {
                     "string" : "string"
                  },
                  "environmentVariables": [
                     {
                        "name": "string",
                        "type": "string",
                        "value": "string"
                     }
                  ],
                  "inputArtifacts": [
                     {
                        "name": "string"
                     }
                  ],
                  "name": "string",
                  "namespace": "string",
                  "outputArtifacts": [
                     {
                        "files": [ "string" ],
                        "name": "string"
                     }
                  ],
                  "outputVariables": [ "string" ],
                  "region": "string",
                  "roleArn": "string",
                  "runOrder": number,
                  "timeoutInMinutes": number
               }
            ],
```

```
            "beforeEntry": {
               "conditions": [
                  {
                     "result": "string",
                     "rules": [
                        {
                           "commands": [ "string" ],
                           "configuration": {
                              "string" : "string"
                           },
                           "inputArtifacts": [
                              {
                                 "name": "string"
                              }
                           ],
                           "name": "string",
                           "region": "string",
                           "roleArn": "string",
                           "ruleTypeId": {
                              "category": "string",
                              "owner": "string",
                              "provider": "string",
                              "version": "string"
                           },
                           "timeoutInMinutes": number
                        }
                     ]
                  }
               ]
            },
            "blockers": [
               {
                  "name": "string",
                  "type": "string"
               }
            ],
            "name": "string",
            "onFailure": {
               "conditions": [
                  {
                     "result": "string",
                     "rules": [
                        {
                           "commands": [ "string" ],
```

```
                        "configuration": {
                           "string" : "string"
                        },
                        "inputArtifacts": [
                           {
                              "name": "string"
                           }
                        ],
                        "name": "string",
                        "region": "string",
                        "roleArn": "string",
                        "ruleTypeId": {
                           "category": "string",
                           "owner": "string",
                           "provider": "string",
                           "version": "string"
                        },
                        "timeoutInMinutes": number
                     }
                  ]
               }
            ],
            "result": "string",
            "retryConfiguration": {
               "retryMode": "string"
            }
         },
         "onSuccess": {
            "conditions": [
               {
                  "result": "string",
                  "rules": [
                     {
                        "commands": [ "string" ],
                        "configuration": {
                           "string" : "string"
                        },
                        "inputArtifacts": [
                           {
                              "name": "string"
                           }
                        ],
                        "name": "string",
                        "region": "string",
```

```
                        "roleArn": "string",
                        "ruleTypeId": {
                           "category": "string",
                           "owner": "string",
                           "provider": "string",
                           "version": "string"
                        },
                        "timeoutInMinutes": number
                     }
                  ]
               }
            ]
         }
      }
   ],
   "triggers": [
      {
         "gitConfiguration": {
            "pullRequest": [
               {
                  "branches": {
                     "excludes": [ "string" ],
                     "includes": [ "string" ]
                  },
                  "events": [ "string" ],
                  "filePaths": {
                     "excludes": [ "string" ],
                     "includes": [ "string" ]
                  }
               }
            ],
            "push": [
               {
                  "branches": {
                     "excludes": [ "string" ],
                     "includes": [ "string" ]
                  },
                  "filePaths": {
                     "excludes": [ "string" ],
                     "includes": [ "string" ]
                  },
                  "tags": {
                     "excludes": [ "string" ],
                     "includes": [ "string" ]
```

```
                    }
                 }
              ],
              "sourceActionName": "string"
           },
           "providerType": "string"
        }
     ],
     "variables": [
        {
           "defaultValue": "string",
           "description": "string",
           "name": "string"
        }
     ],
     "version": 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.

pipeline

The structure of the updated pipeline.

Type: PipelineDeclaration object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InvalidActionDeclarationException

The action declaration was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

InvalidBlockerDeclarationException

Reserved for future use.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

InvalidStageDeclarationException

The stage declaration was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

InvalidStructureException

The structure was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

LimitExceededException

The number of pipelines associated with the AWS account has exceeded the limit allowed for the account.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

ValidationException

The validation was specified in an invalid format.

message

The message provided to the user in the event of an exception.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of UpdatePipeline.

Sample Request

```
POST / HTTP/1.1
Host: codepipeline.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 914
X-Amz-Target: CodePipeline_20150709.UpdatePipeline
X-Amz-Date: 20160707T174930Z
User-Agent: aws-cli/1.7.38 Python/2.7.9 Windows/7
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAI44QH8DHBEXAMPLE/20160707/us-east-1/
codepipeline/aws4_request, SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-
target, Signature=8d9b5998EXAMPLE

{
  "pipeline": {
    "roleArn": "arn:aws:iam::111111111111:role/AWS-CodePipeline-Service",
    "stages": [
      {
        "name": "Source",
        "actions": [
          {
            "inputArtifacts": [],
            "name": "Source",
            "actionTypeId": {
              "category": "Source",
              "owner": "AWS",
              "version": "1",
              "provider": "S3"
            },
            "outputArtifacts": [
              {
                "name": "MyApp"
              }
            ],
            "configuration": {
              "S3Bucket": "amzn-s3-demo-bucket",
```

```
              "S3ObjectKey": "aws-codepipeline-s3-aws-codedeploy_linux.zip"
            },
            "runOrder": 1
          }
        ]
      },
      {
        "name": "Staging",
        "actions": [
          {
            "inputArtifacts": [
              {
                "name": "MyApp"
              }
            ],
            "name": "CodePipelineDemoFleet",
            "actionTypeId": {
              "category": "Deploy",
              "owner": "AWS",
              "version": "1",
              "provider": "CodeDeploy"
            },
            "outputArtifacts": [],
            "configuration": {
              "ApplicationName": "CodePipelineDemoApplication",
              "DeploymentGroupName": "CodePipelineDemoFleet"
            },
            "runOrder": 1
          }
        ]
      }
    ],
    "artifactStore": {
      "type": "S3",
      "location": "codepipeline-us-east-1-11EXAMPLE11"
    },
    "name": "MyFirstPipeline",
    "version": 1
  }
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 898

{
  "pipeline": {
    "artifactStore": {
      "location": "amzn-s3-demo-bucket",
      "type": "S3"
    },
    "name": "MyFirstPipeline",
    "roleArn": "arn:aws:iam::111111111111:role/AWS-CodePipeline-Service",
    "stages": [
      {
        "actions": [
          {
            "actionTypeId": {
              "__type": "ActionTypeId",
              "category": "Source",
              "owner": "AWS",
              "provider": "S3",
              "version": "1"
            },
            "configuration": {
              "S3Bucket": "amzn-s3-demo-bucket",
              "S3ObjectKey": "aws-codepipeline-s3-aws-codedeploy_linux.zip"
            },
            "inputArtifacts": [],
            "name": "Source",
            "outputArtifacts": [
              {
                "name": "MyApp"
              }
            ],
            "runOrder": 1
          }
        ],
        "name": "Source"
      },
      {
        "actions": [
```

```
          {
            "actionTypeId": {
              "__type": "ActionTypeId",
              "category": "Deploy",
              "owner": "AWS",
              "provider": "CodeDeploy",
              "version": "1"
            },
            "configuration": {
              "ApplicationName": "CodePipelineDemoApplication",
              "DeploymentGroupName": "CodePipelineDemoFleet"
            },
            "inputArtifacts": [
              {
                "name": "MyApp"
              }
            ],
            "name": "CodePipelineDemoFleet",
            "outputArtifacts": [],
            "runOrder": 1
          }
        ],
        "name": "Staging"
      }
    ],
    "version": 3
  }
}
```

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 (Boto3)
- AWS SDK for Ruby V3

Data Types

The CodePipeline 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:

- ActionConfiguration
- ActionConfigurationProperty
- ActionContext
- ActionDeclaration
- ActionExecution
- ActionExecutionDetail
- ActionExecutionFilter
- ActionExecutionInput
- ActionExecutionOutput
- ActionExecutionResult
- ActionRevision
- ActionState
- ActionType
- ActionTypeArtifactDetails
- ActionTypeDeclaration
- ActionTypeExecutor
- ActionTypeId
- ActionTypeIdentifier
- ActionTypePermissions
- ActionTypeProperty

- ActionTypeSettings
- ActionTypeUrls
- ApprovalResult
- Artifact
- ArtifactDetail
- ArtifactDetails
- ArtifactLocation
- ArtifactRevision
- ArtifactStore
- AWSSessionCredentials
- BeforeEntryConditions
- BlockerDeclaration
- Condition
- ConditionExecution
- ConditionState
- CurrentRevision
- DeployActionExecutionTarget
- DeployTargetEvent
- DeployTargetEventContext
- EncryptionKey
- EnvironmentVariable
- ErrorDetails
- ExecutionDetails
- ExecutionTrigger
- ExecutorConfiguration
- FailureConditions
- FailureDetails
- GitBranchFilterCriteria
- GitConfiguration
- GitFilePathFilterCriteria

- GitPullRequestFilter
- GitPushFilter
- GitTagFilterCriteria
- InputArtifact
- Job
- JobData
- JobDetails
- JobWorkerExecutorConfiguration
- LambdaExecutorConfiguration
- LatestInPipelineExecutionFilter
- ListWebhookItem
- OutputArtifact
- PipelineContext
- PipelineDeclaration
- PipelineExecution
- PipelineExecutionFilter
- PipelineExecutionSummary
- PipelineMetadata
- PipelineRollbackMetadata
- PipelineSummary
- PipelineTriggerDeclaration
- PipelineVariable
- PipelineVariableDeclaration
- ResolvedPipelineVariable
- RetryConfiguration
- RetryStageMetadata
- RuleConfigurationProperty
- RuleDeclaration
- RuleExecution
- RuleExecutionDetail

- RuleExecutionFilter
- RuleExecutionInput
- RuleExecutionOutput
- RuleExecutionResult
- RuleRevision
- RuleState
- RuleType
- RuleTypeId
- RuleTypeSettings
- S3ArtifactLocation
- S3Location
- SourceRevision
- SourceRevisionOverride
- StageConditionsExecution
- StageConditionState
- StageContext
- StageDeclaration
- StageExecution
- StageState
- StopExecutionTrigger
- SucceededInStageFilter
- SuccessConditions
- Tag
- TargetFilter
- ThirdPartyJob
- ThirdPartyJobData
- ThirdPartyJobDetails
- TransitionState
- WebhookAuthConfiguration
- WebhookDefinition

- WebhookFilterRule

ActionConfiguration

Represents information about an action configuration.

Contents

configuration

The configuration data for the action.

Type: String to string map

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

Value Length Constraints: Minimum length of 1. 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

ActionConfigurationProperty

Represents information about an action configuration property.

Contents

key

Whether the configuration property is a key.

Type: Boolean

Required: Yes

name

The name of the action configuration property.

Type: String

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

Required: Yes

required

Whether the configuration property is a required value.

Type: Boolean

Required: Yes

secret

Whether the configuration property is secret. Secrets are hidden from all calls except for `GetJobDetails`, `GetThirdPartyJobDetails`, `PollForJobs`, and `PollForThirdPartyJobs`.

When updating a pipeline, passing * * * * * without changing any other values of the action preserves the previous value of the secret.

Type: Boolean

Required: Yes

description

The description of the action configuration property that is displayed to users.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 160.

Required: No

queryable

Indicates that the property is used with `PollForJobs`. When creating a custom action, an action can have up to one queryable property. If it has one, that property must be both required and not secret.

If you create a pipeline with a custom action type, and that custom action contains a queryable property, the value for that configuration property is subject to other restrictions. The value must be less than or equal to twenty (20) characters. The value can contain only alphanumeric characters, underscores, and hyphens.

Type: Boolean

Required: No

type

The type of the configuration property.

Type: String

Valid Values: `String | Number | Boolean`

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

ActionContext

Represents the context of an action in the stage of a pipeline to a job worker.

Contents

actionExecutionId

The system-generated unique ID that corresponds to an action's execution.

Type: String

Required: No

name

The name of the action in the context of a job.

Type: String

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

Pattern: `[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

ActionDeclaration

Represents information about an action declaration.

Contents

actionTypeId

Specifies the action type and the provider of the action.

Type: ActionTypeId object

Required: Yes

name

The action declaration's name.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

commands

The shell commands to run with your compute action in CodePipeline. All commands are supported except multi-line formats. While CodeBuild logs and permissions are used, you do not need to create any resources in CodeBuild.

> **Note**
>
> Using compute time for this action will incur separate charges in AWS CodeBuild.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

configuration

The action's configuration. These are key-value pairs that specify input values for an action. For more information, see Action Structure Requirements in CodePipeline . For the list of configuration properties for the AWS CloudFormation action type in CodePipeline, see Configuration Properties Reference in the *AWS CloudFormation User Guide*. For template snippets with examples, see Using Parameter Override Functions with CodePipeline Pipelines in the *AWS CloudFormation User Guide*.

The values can be represented in either JSON or YAML format. For example, the JSON configuration item format is as follows:

JSON:

```
"Configuration" : { Key : Value },
```

Type: String to string map

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

Value Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

environmentVariables

The environment variables for the action.

Type: Array of EnvironmentVariable objects

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

Required: No

inputArtifacts

The name or ID of the artifact consumed by the action, such as a test or build artifact.

Type: Array of InputArtifact objects

Required: No

namespace

The variable namespace associated with the action. All variables produced as output by this action fall under this namespace.

Type: String

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

Pattern: `[A-Za-z0-9@\-_]+`

Required: No

outputArtifacts

The name or ID of the result of the action declaration, such as a test or build artifact.

Type: Array of OutputArtifact objects

Required: No

outputVariables

The list of variables that are to be exported from the compute action. This is specifically CodeBuild environment variables as used for that action.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 15 items.

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

Required: No

region

The action declaration's AWS Region, such as us-east-1.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 30.

Required: No

roleArn

The ARN of the IAM service role that performs the declared action. This is assumed through the roleArn for the pipeline.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:iam::[0-9]{12}:role/.*`

Required: No

runOrder

The order in which actions are run.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 999.

Required: No

timeoutInMinutes

A timeout duration in minutes that can be applied against the ActionType's default timeout value specified in Quotas for AWS CodePipeline. This attribute is available only to the manual approval ActionType.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 86400.

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

ActionExecution

Represents information about the run of an action.

Contents

actionExecutionId

ID of the workflow action execution in the current stage. Use the GetPipelineState action to retrieve the current action execution details of the current stage.

> **Note**
>
> For older executions, this field might be empty. The action execution ID is available for executions run on or after March 2020.

Type: String

Required: No

errorDetails

The details of an error returned by a URL external to AWS.

Type: ErrorDetails object

Required: No

externalExecutionId

The external ID of the run of the action.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1500.

Required: No

externalExecutionUrl

The URL of a resource external to AWS that is used when running the action (for example, an external repository URL).

Type: String

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

Required: No

lastStatusChange

The last status change of the action.

Type: Timestamp

Required: No

lastUpdatedBy

The ARN of the user who last changed the pipeline.

Type: String

Required: No

logStreamARN

The Amazon Resource Name (ARN) of the log stream for the action compute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 250.

Required: No

percentComplete

A percentage of completeness of the action as it runs.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

status

The status of the action, or for a completed action, the last status of the action.

Type: String

Valid Values: `InProgress | Abandoned | Succeeded | Failed`

Required: No

summary

A summary of the run of the action.

Type: String

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

Required: No

token

The system-generated token used to identify a unique approval request. The token for each open approval request can be obtained using the `GetPipelineState` command. It is used to validate that the approval request corresponding to this token is still valid.

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

ActionExecutionDetail

Returns information about an execution of an action, including the action execution ID, and the name, version, and timing of the action.

Contents

actionExecutionId

The action execution ID.

Type: String

Required: No

actionName

The name of the action.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: No

input

Input details for the action execution, such as role ARN, Region, and input artifacts.

Type: ActionExecutionInput object

Required: No

lastUpdateTime

The last update time of the action execution.

Type: Timestamp

Required: No

output

Output details for the action execution, such as the action execution result.

Type: ActionExecutionOutput object

Required: No

pipelineExecutionId

The pipeline execution ID for the action execution.

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

pipelineVersion

The version of the pipeline where the action was run.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

stageName

The name of the stage that contains the action.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: No

startTime

The start time of the action execution.

Type: Timestamp

Required: No

status

The status of the action execution. Status categories are `InProgress`, `Succeeded`, and `Failed`.

Type: String

Valid Values: `InProgress | Abandoned | Succeeded | Failed`

Required: No

updatedBy

The ARN of the user who changed the pipeline execution details.

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

ActionExecutionFilter

Filter values for the action execution.

Contents

latestInPipelineExecution

The latest execution in the pipeline.

> **Note**
>
> Filtering on the latest execution is available for executions run on or after February 08, 2024.

Type: LatestInPipelineExecutionFilter object

Required: No

pipelineExecutionId

The pipeline execution ID used to filter action execution history.

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

See Also

For 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

ActionExecutionInput

Input information used for an action execution.

Contents

actionTypeId

Represents information about an action type.

Type: ActionTypeId object

Required: No

configuration

Configuration data for an action execution.

Type: String to string map

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

Value Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

inputArtifacts

Details of input artifacts of the action that correspond to the action execution.

Type: Array of ArtifactDetail objects

Required: No

namespace

The variable namespace associated with the action. All variables produced as output by this action fall under this namespace.

Type: String

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

Pattern: `[A-Za-z0-9@\-_]+`

Required: No

region

The AWS Region for the action, such as us-east-1.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 30.

Required: No

resolvedConfiguration

Configuration data for an action execution with all variable references replaced with their real values for the execution.

Type: String to string map

Required: No

roleArn

The ARN of the IAM service role that performs the declared action. This is assumed through the roleArn for the pipeline.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:iam::[0-9]{12}:role/.*`

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

ActionExecutionOutput

Output details listed for an action execution, such as the action execution result.

Contents

executionResult

Execution result information listed in the output details for an action execution.

Type: ActionExecutionResult object

Required: No

outputArtifacts

Details of output artifacts of the action that correspond to the action execution.

Type: Array of ArtifactDetail objects

Required: No

outputVariables

The outputVariables field shows the key-value pairs that were output as part of that execution.

Type: String to string map

Key Pattern: `[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

ActionExecutionResult

Execution result information, such as the external execution ID.

Contents

errorDetails

Represents information about an error in CodePipeline.

Type: ErrorDetails object

Required: No

externalExecutionId

The action provider's external ID for the action execution.

Type: String

Required: No

externalExecutionSummary

The action provider's summary for the action execution.

Type: String

Required: No

externalExecutionUrl

The deepest external link to the external resource (for example, a repository URL or deployment endpoint) that is used when running the action.

Type: String

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

Required: No

logStreamARN

The Amazon Resource Name (ARN) of the log stream for the action compute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 250.

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

ActionRevision

Represents information about the version (or revision) of an action.

Contents

created

The date and time when the most recent version of the action was created, in timestamp format.

Type: Timestamp

Required: Yes

revisionChangeId

The unique identifier of the change that set the state to this revision (for example, a deployment ID or timestamp).

Type: String

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

Required: Yes

revisionId

The system-generated unique ID that identifies the revision number of the action.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1500.

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

ActionState

Represents information about the state of an action.

Contents

actionName

The name of the action.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: No

currentRevision

Represents information about the version (or revision) of an action.

Type: ActionRevision object

Required: No

entityUrl

A URL link for more information about the state of the action, such as a deployment group details page.

Type: String

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

Required: No

latestExecution

Represents information about the run of an action.

Type: ActionExecution object

Required: No

revisionUrl

A URL link for more information about the revision, such as a commit details page.

Type: String

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

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

ActionType

Returns information about the details of an action type.

Contents

id

Represents information about an action type.

Type: ActionTypeId object

Required: Yes

inputArtifactDetails

The details of the input artifact for the action, such as its commit ID.

Type: ArtifactDetails object

Required: Yes

outputArtifactDetails

The details of the output artifact of the action, such as its commit ID.

Type: ArtifactDetails object

Required: Yes

actionConfigurationProperties

The configuration properties for the action type.

Type: Array of ActionConfigurationProperty objects

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

Required: No

settings

The settings for the action type.

Type: ActionTypeSettings 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

ActionTypeArtifactDetails

Information about parameters for artifacts associated with the action type, such as the minimum and maximum artifacts allowed.

Contents

maximumCount

The maximum number of artifacts that can be used with the actiontype. For example, you should specify a minimum and maximum of zero input artifacts for an action type with a category of `source`.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10.

Required: Yes

minimumCount

The minimum number of artifacts that can be used with the action type. For example, you should specify a minimum and maximum of zero input artifacts for an action type with a category of `source`.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10.

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

ActionTypeDeclaration

The parameters for the action type definition that are provided when the action type is created or updated.

Contents

executor

Information about the executor for an action type that was created with any supported integration model.

Type: ActionTypeExecutor object

Required: Yes

id

The action category, owner, provider, and version of the action type to be updated.

Type: ActionTypeIdentifier object

Required: Yes

inputArtifactDetails

Details for the artifacts, such as application files, to be worked on by the action. For example, the minimum and maximum number of input artifacts allowed.

Type: ActionTypeArtifactDetails object

Required: Yes

outputArtifactDetails

Details for the output artifacts, such as a built application, that are the result of the action. For example, the minimum and maximum number of output artifacts allowed.

Type: ActionTypeArtifactDetails object

Required: Yes

description

The description for the action type to be updated.

Type: String

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

Required: No

permissions

Details identifying the accounts with permissions to use the action type.

Type: ActionTypePermissions object

Required: No

properties

The properties of the action type to be updated.

Type: Array of ActionTypeProperty objects

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

Required: No

urls

The links associated with the action type to be updated.

Type: ActionTypeUrls 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

ActionTypeExecutor

The action engine, or executor, for an action type created for a provider, where the action is to be used by customers of the provider. The action engine is associated with the model used to create and update the action, such as the Lambda integration model.

Contents

configuration

The action configuration properties for the action type. These properties are specified in the action definition when the action type is created.

Type: ExecutorConfiguration object

Required: Yes

type

The integration model used to create and update the action type, `Lambda` or `JobWorker`.

Type: String

Valid Values: `JobWorker | Lambda`

Required: Yes

jobTimeout

The timeout in seconds for the job. An action execution can have multiple jobs. This is the timeout for a single job, not the entire action execution.

Type: Integer

Valid Range: Minimum value of 60. Maximum value of 43200.

Required: No

policyStatementsTemplate

The policy statement that specifies the permissions in the CodePipeline customer account that are needed to successfully run an action.

To grant permission to another account, specify the account ID as the Principal, a domain-style identifier defined by the service, for example `codepipeline.amazonaws.com`.

> **Note**
>
> The size of the passed JSON policy document cannot exceed 2048 characters.

Type: String

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

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

ActionTypeId

Represents information about an action type.

Contents

category

A category defines what kind of action can be taken in the stage, and constrains the provider type for the action. Valid categories are limited to one of the following values.

- Source
- Build
- Test
- Deploy
- Invoke
- Approval
- Compute

Type: String

Valid Values: `Source | Build | Deploy | Test | Invoke | Approval | Compute`

Required: Yes

owner

The creator of the action being called. There are three valid values for the `Owner` field in the action category section within your pipeline structure: `AWS`, `ThirdParty`, and `Custom`. For more information, see Valid Action Types and Providers in CodePipeline .

Type: String

Valid Values: `AWS | ThirdParty | Custom`

Required: Yes

provider

The provider of the service being called by the action. Valid providers are determined by the action category. For example, an action in the Deploy category type might have a provider of

CodeDeploy, which would be specified as `CodeDeploy`. For more information, see Valid Action Types and Providers in CodePipeline .

Type: String

Length Constraints: Minimum length of 1. Maximum length of 35.

Pattern: `[0-9A-Za-z_-]+`

Required: Yes

version

A string that describes the action version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 9.

Pattern: `[0-9A-Za-z_-]+`

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

ActionTypeIdentifier

Specifies the category, owner, provider, and version of the action type.

Contents

category

Defines what kind of action can be taken in the stage, one of the following:

- `Source`
- `Build`
- `Test`
- `Deploy`
- `Approval`
- `Invoke`

Type: String

Valid Values: `Source | Build | Deploy | Test | Invoke | Approval | Compute`

Required: Yes

owner

The creator of the action type being called: `AWS` or `ThirdParty`.

Type: String

Pattern: `AWS|ThirdParty`

Required: Yes

provider

The provider of the action type being called. The provider name is supplied when the action type is created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 35.

Pattern: `[0-9A-Za-z_-]+`

Required: Yes

version

A string that describes the action type version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 9.

Pattern: `[0-9A-Za-z_-]+`

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

ActionTypePermissions

Details identifying the users with permissions to use the action type.

Contents

allowedAccounts

A list of AWS account IDs with access to use the action type in their pipelines.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

Pattern: `[0-9]{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

ActionTypeProperty

Represents information about each property specified in the action configuration, such as the description and key name that display for the customer using the action type.

Contents

key

Whether the configuration property is a key.

Type: Boolean

Required: Yes

name

The property name that is displayed to users.

Type: String

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

Required: Yes

noEcho

Whether to omit the field value entered by the customer in the log. If `true`, the value is not saved in CloudTrail logs for the action execution.

Type: Boolean

Required: Yes

optional

Whether the configuration property is an optional value.

Type: Boolean

Required: Yes

description

The description of the property that is displayed to users.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 250.

Required: No

queryable

Indicates that the property is used with polling. An action type can have up to one queryable property. If it has one, that property must be both required and not secret.

Type: Boolean

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

ActionTypeSettings

Returns information about the settings for an action type.

Contents

entityUrlTemplate

The URL returned to the CodePipeline console that provides a deep link to the resources of the external system, such as the configuration page for a CodeDeploy deployment group. This link is provided as part of the action display in the pipeline.

Type: String

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

Required: No

executionUrlTemplate

The URL returned to the CodePipeline console that contains a link to the top-level landing page for the external system, such as the console page for CodeDeploy. This link is shown on the pipeline view page in the CodePipeline console and provides a link to the execution entity of the external action.

Type: String

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

Required: No

revisionUrlTemplate

The URL returned to the CodePipeline console that contains a link to the page where customers can update or change the configuration of the external action.

Type: String

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

Required: No

thirdPartyConfigurationUrl

The URL of a sign-up page where users can sign up for an external service and perform initial configuration of the action provided by that service.

Type: String

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

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

ActionTypeUrls

Returns information about URLs for web pages that display to customers as links on the pipeline view, such as an external configuration page for the action type.

Contents

configurationUrl

The URL returned to the CodePipeline console that contains a link to the page where customers can configure the external action.

Type: String

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

Required: No

entityUrlTemplate

The URL returned to the CodePipeline console that provides a deep link to the resources of the external system, such as a status page. This link is provided as part of the action display in the pipeline.

Type: String

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

Required: No

executionUrlTemplate

The link to an execution page for the action type in progress. For example, for a CodeDeploy action, this link is shown on the pipeline view page in the CodePipeline console, and it links to a CodeDeploy status page.

Type: String

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

Required: No

revisionUrlTemplate

The URL returned to the CodePipeline console that contains a link to the page where customers can update or change the configuration of the external action.

Type: String

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

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

ApprovalResult

Represents information about the result of an approval request.

Contents

status

The response submitted by a reviewer assigned to an approval action request.

Type: String

Valid Values: `Approved | Rejected`

Required: Yes

summary

The summary of the current status of the approval request.

Type: String

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

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

Artifact

Artifacts are the files that are worked on by actions in the pipeline. See the action configuration for each action for details about artifact parameters. For example, the S3 source action artifact is a file name (or file path), and the files are generally provided as a ZIP file. Example artifact name: SampleApp_Windows.zip

Contents

location

The location of an artifact.

Type: ArtifactLocation object

Required: No

name

The artifact's name.

Type: String

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

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

Required: No

revision

The artifact's revision ID. Depending on the type of object, this could be a commit ID (GitHub) or a revision ID (Amazon S3).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1500.

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

ArtifactDetail

Artifact details for the action execution, such as the artifact location.

Contents

name

The artifact object name for the action execution.

Type: String

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

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

Required: No

s3location

The Amazon S3 artifact location for the action execution.

Type: S3Location 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

ArtifactDetails

Returns information about the details of an artifact.

Contents

maximumCount

The maximum number of artifacts allowed for the action type.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 5.

Required: Yes

minimumCount

The minimum number of artifacts allowed for the action type.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 5.

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

ArtifactLocation

Represents information about the location of an artifact.

Contents

s3Location

The S3 bucket that contains the artifact.

Type: S3ArtifactLocation object

Required: No

type

The type of artifact in the location.

Type: String

Valid Values: S3

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

ArtifactRevision

Represents revision details of an artifact.

Contents

created

The date and time when the most recent revision of the artifact was created, in timestamp format.

Type: Timestamp

Required: No

name

The name of an artifact. This name might be system-generated, such as "MyApp", or defined by the user when an action is created.

Type: String

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

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

Required: No

revisionChangeIdentifier

An additional identifier for a revision, such as a commit date or, for artifacts stored in Amazon S3 buckets, the ETag value.

Type: String

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

Required: No

revisionId

The revision ID of the artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1500.

Required: No

revisionSummary

Summary information about the most recent revision of the artifact. For GitHub and CodeCommit repositories, the commit message. For Amazon S3 buckets or actions, the user-provided content of a `codepipeline-artifact-revision-summary` key specified in the object metadata.

Type: String

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

Required: No

revisionUrl

The commit ID for the artifact revision. For artifacts stored in GitHub or CodeCommit repositories, the commit ID is linked to a commit details page.

Type: String

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

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

ArtifactStore

The S3 bucket where artifacts for the pipeline are stored.

> **Note**
>
> You must include either `artifactStore` or `artifactStores` in your pipeline, but you cannot use both. If you create a cross-region action in your pipeline, you must use `artifactStores`.

Contents

location

The S3 bucket used for storing the artifacts for a pipeline. You can specify the name of an S3 bucket but not a folder in the bucket. A folder to contain the pipeline artifacts is created for you based on the name of the pipeline. You can use any S3 bucket in the same AWS Region as the pipeline to store your pipeline artifacts.

Type: String

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

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

Required: Yes

type

The type of the artifact store, such as S3.

Type: String

Valid Values: S3

Required: Yes

encryptionKey

The encryption key used to encrypt the data in the artifact store, such as an AWS Key Management Service key. If this is undefined, the default key for Amazon S3 is used.

Type: EncryptionKey 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

AWSSessionCredentials

Represents an AWS session credentials object. These credentials are temporary credentials that are issued by AWS Secure Token Service (STS). They can be used to access input and output artifacts in the S3 bucket used to store artifact for the pipeline in CodePipeline.

Contents

accessKeyId

The access key for the session.

Type: String

Required: Yes

secretAccessKey

The secret access key for the session.

Type: String

Required: Yes

sessionToken

The token for the session.

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

BeforeEntryConditions

The conditions for making checks for entry to a stage. For more information about conditions, see Stage conditions and How do stage conditions work?.

Contents

conditions

The conditions that are configured as entry conditions.

Type: Array of Condition objects

Array Members: Fixed number of 1 item.

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

BlockerDeclaration

Reserved for future use.

Contents

name

Reserved for future use.

Type: String

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

Required: Yes

type

Reserved for future use.

Type: String

Valid Values: `Schedule`

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

Condition

The condition for the stage. A condition is made up of the rules and the result for the condition. For more information about conditions, see Stage conditions and How do stage conditions work?.. For more information about rules, see the AWS CodePipeline rule reference.

Contents

result

The action to be done when the condition is met. For example, rolling back an execution for a failure condition.

Type: String

Valid Values: `ROLLBACK | FAIL | RETRY | SKIP`

Required: No

rules

The rules that make up the condition.

Type: Array of RuleDeclaration objects

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

Required: No

See Also

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

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

ConditionExecution

The run of a condition.

Contents

lastStatusChange

The last status change of the condition.

Type: Timestamp

Required: No

status

The status of the run for a condition.

Type: String

Valid Values: `InProgress | Failed | Errored | Succeeded | Cancelled | Abandoned | Overridden`

Required: No

summary

The summary of information about a run for a condition.

Type: String

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

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

ConditionState

Information about the state of the condition.

Contents

latestExecution

The state of the latest run of the rule.

Type: ConditionExecution object

Required: No

ruleStates

The state of the rules for the condition.

Type: Array of RuleState 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

CurrentRevision

Represents information about a current revision.

Contents

changeIdentifier

The change identifier for the current revision.

Type: String

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

Required: Yes

revision

The revision ID of the current version of an artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1500.

Required: Yes

created

The date and time when the most recent revision of the artifact was created, in timestamp format.

Type: Timestamp

Required: No

revisionSummary

The summary of the most recent revision of the artifact.

Type: String

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

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

DeployActionExecutionTarget

The target for the deploy action.

Contents

endTime

The end time for the deploy action.

Type: Timestamp

Required: No

events

The lifecycle events for the deploy action.

Type: Array of DeployTargetEvent objects

Required: No

startTime

The start time for the deploy action.

Type: Timestamp

Required: No

status

The status of the deploy action.

Type: String

Required: No

targetId

The ID of the target for the deploy action.

Type: String

Required: No

targetType

The type of target for the deploy action.

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

DeployTargetEvent

A lifecycle event for the deploy action.

Contents

context

The context for the event for the deploy action.

Type: DeployTargetEventContext object

Required: No

endTime

The end time for the event for the deploy action.

Type: Timestamp

Required: No

name

The name of the event for the deploy action.

Type: String

Required: No

startTime

The start time for the event for the deploy action.

Type: Timestamp

Required: No

status

The status of the event for the deploy action.

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

DeployTargetEventContext

The context for the event for the deploy action.

Contents

message

The context message for the event for the deploy action.

Type: String

Required: No

ssmCommandId

The command ID for the event for the deploy action.

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

EncryptionKey

Represents information about the key used to encrypt data in the artifact store, such as an AWS Key Management Service (AWS Key Management Service) key.

Contents

id

The ID used to identify the key. For an AWS KMS key, you can use the key ID, the key ARN, or the alias ARN.

> **Note**
>
> Aliases are recognized only in the account that created the AWS KMS key. For cross-account actions, you can only use the key ID or key ARN to identify the key. Cross-account actions involve using the role from the other account (AccountB), so specifying the key ID will use the key from the other account (AccountB).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 400.

Required: Yes

type

The type of encryption key, such as an AWS KMS key. When creating or updating a pipeline, the value must be set to 'KMS'.

Type: String

Valid Values: KMS

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

EnvironmentVariable

The environment variables for the action.

Contents

name

The environment variable name in the key-value pair.

Type: String

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

Pattern: `[A-Za-z0-9_]+`

Required: Yes

value

The environment variable value in the key-value pair.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `.*`

Required: Yes

type

Specifies the type of use for the environment variable value. The value can be either `PLAINTEXT` or `SECRETS_MANAGER`. If the value is `SECRETS_MANAGER`, provide the Secrets reference in the EnvironmentVariable value.

Type: String

Valid Values: `PLAINTEXT | SECRETS_MANAGER`

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

ErrorDetails

Represents information about an error in CodePipeline.

Contents

code

The system ID or number code of the error.

Type: String

Required: No

message

The text of the error message.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5000.

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

ExecutionDetails

The details of the actions taken and results produced on an artifact as it passes through stages in the pipeline.

Contents

externalExecutionId

The system-generated unique ID of this action used to identify this job worker in any external systems, such as CodeDeploy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1500.

Required: No

percentComplete

The percentage of work completed on the action, represented on a scale of 0 to 100 percent.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

summary

The summary of the current status of the actions.

Type: String

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

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

ExecutionTrigger

The interaction or event that started a pipeline execution.

Contents

triggerDetail

Detail related to the event that started a pipeline execution, such as the webhook ARN of the webhook that triggered the pipeline execution or the user ARN for a user-initiated `start-pipeline-execution` CLI command.

Type: String

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

Required: No

triggerType

The type of change-detection method, command, or user interaction that started a pipeline execution.

Type: String

Valid Values: `CreatePipeline | StartPipelineExecution | PollForSourceChanges | Webhook | CloudWatchEvent | PutActionRevision | WebhookV2 | ManualRollback | AutomatedRollback`

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

ExecutorConfiguration

The action engine, or executor, related to the supported integration model used to create and update the action type. The available executor types are `Lambda` and `JobWorker`.

Contents

jobWorkerExecutorConfiguration

Details about the `JobWorker` executor of the action type.

Type: JobWorkerExecutorConfiguration object

Required: No

lambdaExecutorConfiguration

Details about the `Lambda` executor of the action type.

Type: LambdaExecutorConfiguration 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

FailureConditions

The configuration that specifies the result, such as rollback, to occur upon stage failure. For more information about conditions, see Stage conditions and How do stage conditions work?.

Contents

conditions

The conditions that are configured as failure conditions. For more information about conditions, see Stage conditions and How do stage conditions work?.

Type: Array of Condition objects

Array Members: Fixed number of 1 item.

Required: No

result

The specified result for when the failure conditions are met, such as rolling back the stage.

Type: String

Valid Values: `ROLLBACK | FAIL | RETRY | SKIP`

Required: No

retryConfiguration

The retry configuration specifies automatic retry for a failed stage, along with the configured retry mode.

Type: RetryConfiguration 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

FailureDetails

Represents information about failure details.

Contents

message

The message about the failure.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5000.

Required: Yes

type

The type of the failure.

Type: String

Valid Values: `JobFailed | ConfigurationError | PermissionError | RevisionOutOfSync | RevisionUnavailable | SystemUnavailable`

Required: Yes

externalExecutionId

The external ID of the run of the action that failed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1500.

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

GitBranchFilterCriteria

The Git repository branches specified as filter criteria to start the pipeline.

Contents

excludes

The list of patterns of Git branches that, when a commit is pushed, are to be excluded from starting the pipeline.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 8 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

Required: No

includes

The list of patterns of Git branches that, when a commit is pushed, are to be included as criteria that starts the pipeline.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 8 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

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

GitConfiguration

A type of trigger configuration for Git-based source actions.

> **Note**
>
> You can specify the Git configuration trigger type for all third-party Git-based source actions that are supported by the `CodeStarSourceConnection` action type.

Contents

sourceActionName

The name of the pipeline source action where the trigger configuration, such as Git tags, is specified. The trigger configuration will start the pipeline upon the specified change only.

> **Note**
>
> You can only specify one trigger configuration per source action.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

pullRequest

The field where the repository event that will start the pipeline is specified as pull requests.

Type: Array of GitPullRequestFilter objects

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Required: No

push

The field where the repository event that will start the pipeline, such as pushing Git tags, is specified with details.

Type: Array of GitPushFilter objects

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Required: No

See Also

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

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

GitFilePathFilterCriteria

The Git repository file paths specified as filter criteria to start the pipeline.

Contents

excludes

The list of patterns of Git repository file paths that, when a commit is pushed, are to be excluded from starting the pipeline.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 8 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

Required: No

includes

The list of patterns of Git repository file paths that, when a commit is pushed, are to be included as criteria that starts the pipeline.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 8 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

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

GitPullRequestFilter

The event criteria for the pull request trigger configuration, such as the lists of branches or file paths to include and exclude.

The following are valid values for the events for this filter:

- CLOSED
- OPEN
- UPDATED

Contents

branches

The field that specifies to filter on branches for the pull request trigger configuration.

Type: GitBranchFilterCriteria object

Required: No

events

The field that specifies which pull request events to filter on (OPEN, UPDATED, CLOSED) for the trigger configuration.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Valid Values: `OPEN | UPDATED | CLOSED`

Required: No

filePaths

The field that specifies to filter on file paths for the pull request trigger configuration.

Type: GitFilePathFilterCriteria 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

GitPushFilter

The event criteria that specify when a specified repository event will start the pipeline for the specified trigger configuration, such as the lists of Git tags to include and exclude.

Contents

branches

The field that specifies to filter on branches for the push trigger configuration.

Type: GitBranchFilterCriteria object

Required: No

filePaths

The field that specifies to filter on file paths for the push trigger configuration.

Type: GitFilePathFilterCriteria object

Required: No

tags

The field that contains the details for the Git tags trigger configuration.

Type: GitTagFilterCriteria 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

GitTagFilterCriteria

The Git tags specified as filter criteria for whether a Git tag repository event will start the pipeline.

Contents

excludes

The list of patterns of Git tags that, when pushed, are to be excluded from starting the pipeline.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 8 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

includes

The list of patterns of Git tags that, when pushed, are to be included as criteria that starts the pipeline.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 8 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

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

InputArtifact

Represents information about an artifact to be worked on, such as a test or build artifact.

Contents

name

The name of the artifact to be worked on (for example, "My App").

Artifacts are the files that are worked on by actions in the pipeline. See the action configuration for each action for details about artifact parameters. For example, the S3 source action input artifact is a file name (or file path), and the files are generally provided as a ZIP file. Example artifact name: SampleApp_Windows.zip

The input artifact of an action must exactly match the output artifact declared in a preceding action, but the input artifact does not have to be the next action in strict sequence from the action that provided the output artifact. Actions in parallel can declare different output artifacts, which are in turn consumed by different following actions.

Type: String

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

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

Job

Represents information about a job.

Contents

accountId

The ID of the AWS account to use when performing the job.

Type: String

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

Required: No

data

Other data about a job.

Type: JobData object

Required: No

id

The unique system-generated ID of the job.

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

nonce

A system-generated random number that CodePipeline uses to ensure that the job is being worked on by only one job worker. Use this number in an AcknowledgeJob request.

Type: String

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

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

JobData

Represents other information about a job required for a job worker to complete the job.

Contents

actionConfiguration

Represents information about an action configuration.

Type: ActionConfiguration object

Required: No

actionTypeId

Represents information about an action type.

Type: ActionTypeId object

Required: No

artifactCredentials

Represents an AWS session credentials object. These credentials are temporary credentials that are issued by AWS Secure Token Service (STS). They can be used to access input and output artifacts in the S3 bucket used to store artifacts for the pipeline in CodePipeline.

Type: AWSSessionCredentials object

Required: No

continuationToken

A system-generated token, such as a deployment ID, required by a job to continue the job asynchronously.

Type: String

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

Required: No

encryptionKey

Represents information about the key used to encrypt data in the artifact store, such as an AWS KMS key.

Type: EncryptionKey object

Required: No

inputArtifacts

The artifact supplied to the job.

Type: Array of Artifact objects

Required: No

outputArtifacts

The output of the job.

Type: Array of Artifact objects

Required: No

pipelineContext

Represents information about a pipeline to a job worker.

> **Note**
>
> Includes `pipelineArn` and `pipelineExecutionId` for custom jobs.

Type: PipelineContext 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

JobDetails

Represents information about the details of a job.

Contents

accountId

The AWS account ID associated with the job.

Type: String

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

Required: No

data

Represents other information about a job required for a job worker to complete the job.

Type: JobData object

Required: No

id

The unique system-generated ID of the job.

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

See Also

For 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

JobWorkerExecutorConfiguration

Details about the polling configuration for the `JobWorker` action engine, or executor.

Contents

pollingAccounts

The accounts in which the job worker is configured and might poll for jobs as part of the action execution.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

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

Required: No

pollingServicePrincipals

The service Principals in which the job worker is configured and might poll for jobs as part of the action execution.

Type: Array of strings

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

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

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

LambdaExecutorConfiguration

Details about the configuration for the Lambda action engine, or executor.

Contents

lambdaFunctionArn

The ARN of the Lambda function used by the action engine.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 140.

Pattern: `arn:aws(-[\w]+)*:lambda:.+:[0-9]{12}:function:.+`

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

LatestInPipelineExecutionFilter

The field that specifies to filter on the latest execution in the pipeline.

> **Note**
>
> Filtering on the latest execution is available for executions run on or after February 08, 2024.

Contents

pipelineExecutionId

The execution ID for the latest execution in the pipeline.

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

startTimeRange

The start time to filter on for the latest execution in the pipeline. Valid options:

- All
- Latest

Type: String

Valid Values: `Latest | All`

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

ListWebhookItem

The detail returned for each webhook after listing webhooks, such as the webhook URL, the webhook name, and the webhook ARN.

Contents

definition

The detail returned for each webhook, such as the webhook authentication type and filter rules.

Type: WebhookDefinition object

Required: Yes

url

A unique URL generated by CodePipeline. When a POST request is made to this URL, the defined pipeline is started as long as the body of the post request satisfies the defined authentication and filtering conditions. Deleting and re-creating a webhook makes the old URL invalid and generates a new one.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

arn

The Amazon Resource Name (ARN) of the webhook.

Type: String

Required: No

errorCode

The number code of the error.

Type: String

Required: No

errorMessage

The text of the error message about the webhook.

Type: String

Required: No

lastTriggered

The date and time a webhook was last successfully triggered, in timestamp format.

Type: Timestamp

Required: No

tags

Specifies the tags applied to the webhook.

Type: Array of Tag 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

OutputArtifact

Represents information about the output of an action.

Contents

name

The name of the output of an artifact, such as "My App".

The input artifact of an action must exactly match the output artifact declared in a preceding action, but the input artifact does not have to be the next action in strict sequence from the action that provided the output artifact. Actions in parallel can declare different output artifacts, which are in turn consumed by different following actions.

Output artifact names must be unique within a pipeline.

Type: String

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

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

Required: Yes

files

The files that you want to associate with the output artifact that will be exported from the compute action.

Type: Array of strings

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

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

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

PipelineContext

Represents information about a pipeline to a job worker.

> **Note**
>
> PipelineContext contains `pipelineArn` and `pipelineExecutionId` for custom action jobs. The `pipelineArn` and `pipelineExecutionId` fields are not populated for ThirdParty action jobs.

Contents

action

The context of an action to a job worker in the stage of a pipeline.

Type: ActionContext object

Required: No

pipelineArn

The Amazon Resource Name (ARN) of the pipeline.

Type: String

Pattern: `arn:aws(-[\w]+)*:codepipeline:.+:[0-9]{12}:.+`

Required: No

pipelineExecutionId

The execution ID of the pipeline.

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

pipelineName

The name of the pipeline. This is a user-specified value. Pipeline names must be unique across all pipeline names under an AWS account.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: No

stage

The stage of the pipeline.

Type: StageContext 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

PipelineDeclaration

Represents the structure of actions and stages to be performed in the pipeline.

Contents

name

The name of the pipeline.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

roleArn

The Amazon Resource Name (ARN) for CodePipeline to use to either perform actions with no `actionRoleArn`, or to use to assume roles for actions with an `actionRoleArn`.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:iam::[0-9]{12}:role/.*`

Required: Yes

stages

The stage in which to perform the action.

Type: Array of StageDeclaration objects

Required: Yes

artifactStore

Represents information about the S3 bucket where artifacts are stored for the pipeline.

> **Note**
>
> You must include either `artifactStore` or `artifactStores` in your pipeline, but you cannot use both. If you create a cross-region action in your pipeline, you must use `artifactStores`.

Type: ArtifactStore object

Required: No

artifactStores

A mapping of `artifactStore` objects and their corresponding AWS Regions. There must be an artifact store for the pipeline Region and for each cross-region action in the pipeline.

> **Note**
>
> You must include either `artifactStore` or `artifactStores` in your pipeline, but you cannot use both. If you create a cross-region action in your pipeline, you must use `artifactStores`.

Type: String to ArtifactStore object map

Key Length Constraints: Minimum length of 4. Maximum length of 30.

Required: No

executionMode

The method that the pipeline will use to handle multiple executions. The default mode is SUPERSEDED.

Type: String

Valid Values: `QUEUED | SUPERSEDED | PARALLEL`

Required: No

pipelineType

CodePipeline provides the following pipeline types, which differ in characteristics and price, so that you can tailor your pipeline features and cost to the needs of your applications.

- V1 type pipelines have a JSON structure that contains standard pipeline, stage, and action-level parameters.
- V2 type pipelines have the same structure as a V1 type, along with additional parameters for release safety and trigger configuration.

> **Important**
>
> Including V2 parameters, such as triggers on Git tags, in the pipeline JSON when creating or updating a pipeline will result in the pipeline having the V2 type of pipeline and the associated costs.

For information about pricing for CodePipeline, see Pricing.

For information about which type of pipeline to choose, see What type of pipeline is right for me?.

Type: String

Valid Values: `V1 | V2`

Required: No

triggers

The trigger configuration specifying a type of event, such as Git tags, that starts the pipeline.

> **Note**
>
> When a trigger configuration is specified, default change detection for repository and branch commits is disabled.

Type: Array of PipelineTriggerDeclaration objects

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

Required: No

variables

A list that defines the pipeline variables for a pipeline resource. Variable names can have alphanumeric and underscore characters, and the values must match `[A-Za-z0-9@\-_]+`.

Type: Array of PipelineVariableDeclaration objects

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

Required: No

version

The version number of the pipeline. A new pipeline always has a version number of 1. This number is incremented when a pipeline is updated.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

See Also

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

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

PipelineExecution

Represents information about an execution of a pipeline.

Contents

artifactRevisions

A list of `ArtifactRevision` objects included in a pipeline execution.

Type: Array of ArtifactRevision objects

Required: No

executionMode

The method that the pipeline will use to handle multiple executions. The default mode is SUPERSEDED.

Type: String

Valid Values: `QUEUED | SUPERSEDED | PARALLEL`

Required: No

executionType

The type of the pipeline execution.

Type: String

Valid Values: `STANDARD | ROLLBACK`

Required: No

pipelineExecutionId

The ID of the pipeline execution.

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

pipelineName

The name of the pipeline with the specified pipeline execution.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: No

pipelineVersion

The version number of the pipeline with the specified pipeline execution.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

rollbackMetadata

The metadata about the execution pertaining to stage rollback.

Type: PipelineRollbackMetadata object

Required: No

status

The status of the pipeline execution.

- Cancelled: The pipeline's definition was updated before the pipeline execution could be completed.
- InProgress: The pipeline execution is currently running.
- Stopped: The pipeline execution was manually stopped. For more information, see Stopped Executions.
- Stopping: The pipeline execution received a request to be manually stopped. Depending on the selected stop mode, the execution is either completing or abandoning in-progress actions. For more information, see Stopped Executions.
- Succeeded: The pipeline execution was completed successfully.

- Superseded: While this pipeline execution was waiting for the next stage to be completed, a newer pipeline execution advanced and continued through the pipeline instead. For more information, see Superseded Executions.
- Failed: The pipeline execution was not completed successfully.

Type: String

Valid Values: `Cancelled | InProgress | Stopped | Stopping | Succeeded | Superseded | Failed`

Required: No

statusSummary

A summary that contains a description of the pipeline execution status.

Type: String

Required: No

trigger

The interaction or event that started a pipeline execution.

Type: ExecutionTrigger object

Required: No

variables

A list of pipeline variables used for the pipeline execution.

Type: Array of ResolvedPipelineVariable 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

PipelineExecutionFilter

The pipeline execution to filter on.

Contents

succeededInStage

Filter for pipeline executions where the stage was successful in the current pipeline version.

Type: SucceededInStageFilter 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

PipelineExecutionSummary

Summary information about a pipeline execution.

Contents

executionMode

The method that the pipeline will use to handle multiple executions. The default mode is SUPERSEDED.

Type: String

Valid Values: `QUEUED | SUPERSEDED | PARALLEL`

Required: No

executionType

Type of the pipeline execution.

Type: String

Valid Values: `STANDARD | ROLLBACK`

Required: No

lastUpdateTime

The date and time of the last change to the pipeline execution, in timestamp format.

Type: Timestamp

Required: No

pipelineExecutionId

The ID of the pipeline execution.

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

rollbackMetadata

The metadata for the stage execution to be rolled back.

Type: PipelineRollbackMetadata object

Required: No

sourceRevisions

A list of the source artifact revisions that initiated a pipeline execution.

Type: Array of SourceRevision objects

Required: No

startTime

The date and time when the pipeline execution began, in timestamp format.

Type: Timestamp

Required: No

status

The status of the pipeline execution.

- InProgress: The pipeline execution is currently running.
- Stopped: The pipeline execution was manually stopped. For more information, see Stopped Executions.
- Stopping: The pipeline execution received a request to be manually stopped. Depending on the selected stop mode, the execution is either completing or abandoning in-progress actions. For more information, see Stopped Executions.
- Succeeded: The pipeline execution was completed successfully.
- Superseded: While this pipeline execution was waiting for the next stage to be completed, a newer pipeline execution advanced and continued through the pipeline instead. For more information, see Superseded Executions.
- Failed: The pipeline execution was not completed successfully.

Type: String

Valid Values: `Cancelled | InProgress | Stopped | Stopping | Succeeded | Superseded | Failed`

Required: No

statusSummary

Status summary for the pipeline.

Type: String

Required: No

stopTrigger

The interaction that stopped a pipeline execution.

Type: StopExecutionTrigger object

Required: No

trigger

The interaction or event that started a pipeline execution, such as automated change detection or a `StartPipelineExecution` API call.

Type: ExecutionTrigger 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

PipelineMetadata

Information about a pipeline.

Contents

created

The date and time the pipeline was created, in timestamp format.

Type: Timestamp

Required: No

pipelineArn

The Amazon Resource Name (ARN) of the pipeline.

Type: String

Pattern: `arn:aws(-[\w]+)*:codepipeline:.+:[0-9]{12}:.+`

Required: No

pollingDisabledAt

The date and time that polling for source changes (periodic checks) was stopped for the pipeline, in timestamp format.

> **Important**
>
> Pipelines that are inactive for longer than 30 days will have polling disabled for the pipeline. For more information, see pollingDisabledAt in the pipeline structure reference. For the steps to migrate your pipeline from polling to event-based change detection, see Migrate polling pipelines to use event-based change detection.

You can migrate (update) a polling pipeline to use event-based change detection. For example, for a pipeline with a CodeCommit source, we recommend you migrate (update) your pipeline to use CloudWatch Events. To learn more, see Migrate polling pipelines to use event-based change detection in the *AWS CodePipeline User Guide*.

Type: Timestamp

Required: No

updated

The date and time the pipeline was last updated, in timestamp format.

Type: Timestamp

Required: No

See Also

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

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

PipelineRollbackMetadata

The metadata for the stage execution to be rolled back.

Contents

rollbackTargetPipelineExecutionId

The pipeline execution ID to which the stage will be rolled back.

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

See Also

For 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

PipelineSummary

Returns a summary of a pipeline.

Contents

created

The date and time the pipeline was created, in timestamp format.

Type: Timestamp

Required: No

executionMode

The method that the pipeline will use to handle multiple executions. The default mode is SUPERSEDED.

Type: String

Valid Values: `QUEUED | SUPERSEDED | PARALLEL`

Required: No

name

The name of the pipeline.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: No

pipelineType

CodePipeline provides the following pipeline types, which differ in characteristics and price, so that you can tailor your pipeline features and cost to the needs of your applications.

- V1 type pipelines have a JSON structure that contains standard pipeline, stage, and action-level parameters.

- V2 type pipelines have the same structure as a V1 type, along with additional parameters for release safety and trigger configuration.

> **Important**
>
> Including V2 parameters, such as triggers on Git tags, in the pipeline JSON when creating or updating a pipeline will result in the pipeline having the V2 type of pipeline and the associated costs.

For information about pricing for CodePipeline, see Pricing.

For information about which type of pipeline to choose, see What type of pipeline is right for me?.

Type: String

Valid Values: `V1 | V2`

Required: No

updated

The date and time of the last update to the pipeline, in timestamp format.

Type: Timestamp

Required: No

version

The version number of the pipeline.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

See Also

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

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

PipelineTriggerDeclaration

Represents information about the specified trigger configuration, such as the filter criteria and the source stage for the action that contains the trigger.

> **Note**
>
> This is only supported for the `CodeStarSourceConnection` action type.

> **Note**
>
> When a trigger configuration is specified, default change detection for repository and branch commits is disabled.

Contents

gitConfiguration

Provides the filter criteria and the source stage for the repository event that starts the pipeline, such as Git tags.

Type: GitConfiguration object

Required: Yes

providerType

The source provider for the event, such as connections configured for a repository with Git tags, for the specified trigger configuration.

Type: String

Valid Values: `CodeStarSourceConnection`

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

PipelineVariable

A pipeline-level variable used for a pipeline execution.

Contents

name

The name of a pipeline-level variable.

Type: String

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

Pattern: `[A-Za-z0-9@\-_]+`

Required: Yes

value

The value of a pipeline-level variable.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `.*`

Required: Yes

See Also

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

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

PipelineVariableDeclaration

A variable declared at the pipeline level.

Contents

name

The name of a pipeline-level variable.

Type: String

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

Pattern: `[A-Za-z0-9@\-_]+`

Required: Yes

defaultValue

The value of a pipeline-level variable.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `.*`

Required: No

description

The description of a pipeline-level variable. It's used to add additional context about the variable, and not being used at time when pipeline executes.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 200.

Pattern: `.*`

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

ResolvedPipelineVariable

A pipeline-level variable used for a pipeline execution.

Contents

name

The name of a pipeline-level variable.

Type: String

Required: No

resolvedValue

The resolved value of a pipeline-level variable.

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

RetryConfiguration

The retry configuration specifies automatic retry for a failed stage, along with the configured retry mode.

Contents

retryMode

The method that you want to configure for automatic stage retry on stage failure. You can specify to retry only failed action in the stage or all actions in the stage.

Type: String

Valid Values: `FAILED_ACTIONS | ALL_ACTIONS`

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

RetryStageMetadata

The details of a specific automatic retry on stage failure, including the attempt number and trigger.

Contents

autoStageRetryAttempt

The number of attempts for a specific stage with automatic retry on stage failure. One attempt is allowed for automatic stage retry on failure.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

latestRetryTrigger

The latest trigger for a specific stage where manual or automatic retries have been made upon stage failure.

Type: String

Valid Values: `AutomatedStageRetry | ManualStageRetry`

Required: No

manualStageRetryAttempt

The number of attempts for a specific stage where manual retries have been made upon stage failure.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

See Also

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

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

RuleConfigurationProperty

Represents information about a rule configuration property.

Contents

key

Whether the configuration property is a key.

Type: Boolean

Required: Yes

name

The name of the rule configuration property.

Type: String

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

Required: Yes

required

Whether the configuration property is a required value.

Type: Boolean

Required: Yes

secret

Whether the configuration property is secret.

When updating a pipeline, passing * * * * * without changing any other values of the action preserves the previous value of the secret.

Type: Boolean

Required: Yes

description

The description of the action configuration property that is displayed to users.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 160.

Required: No

queryable

Indicates whether the property can be queried.

If you create a pipeline with a condition and rule, and that rule contains a queryable property, the value for that configuration property is subject to other restrictions. The value must be less than or equal to twenty (20) characters. The value can contain only alphanumeric characters, underscores, and hyphens.

Type: Boolean

Required: No

type

The type of the configuration property.

Type: String

Valid Values: `String | Number | Boolean`

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

RuleDeclaration

Represents information about the rule to be created for an associated condition. An example would be creating a new rule for an entry condition, such as a rule that checks for a test result before allowing the run to enter the deployment stage. For more information about conditions, see Stage conditions and How do stage conditions work?. For more information about rules, see the AWS CodePipeline rule reference.

Contents

name

The name of the rule that is created for the condition, such as `VariableCheck`.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

ruleTypeId

The ID for the rule type, which is made up of the combined values for category, owner, provider, and version.

Type: RuleTypeId object

Required: Yes

commands

The shell commands to run with your commands rule in CodePipeline. All commands are supported except multi-line formats. While CodeBuild logs and permissions are used, you do not need to create any resources in CodeBuild.

> **Note**
>
> Using compute time for this action will incur separate charges in AWS CodeBuild.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

configuration

The action configuration fields for the rule.

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 50.

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

Required: No

inputArtifacts

The input artifacts fields for the rule, such as specifying an input file for the rule.

Type: Array of InputArtifact objects

Required: No

region

The Region for the condition associated with the rule.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 30.

Required: No

roleArn

The pipeline role ARN associated with the rule.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:iam::[0-9]{12}:role/.*`

Required: No

timeoutInMinutes

The action timeout for the rule.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 86400.

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

RuleExecution

Represents information about each time a rule is run as part of the pipeline execution for a pipeline configured with conditions.

Contents

errorDetails

Represents information about an error in CodePipeline.

Type: ErrorDetails object

Required: No

externalExecutionId

The external ID of the run of the rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1500.

Required: No

externalExecutionUrl

The URL of a resource external to AWS that is used when running the rule (for example, an external repository URL).

Type: String

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

Required: No

lastStatusChange

The last status change of the rule.

Type: Timestamp

Required: No

lastUpdatedBy

The ARN of the user who last changed the rule.

Type: String

Required: No

ruleExecutionId

The execution ID for the run of the rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

status

The status of the run of the rule, such as FAILED.

Type: String

Valid Values: `InProgress | Abandoned | Succeeded | Failed`

Required: No

summary

A summary of the run of the rule.

Type: String

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

Required: No

token

The system-generated token used to identify a unique request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `[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

RuleExecutionDetail

The details of the runs for a rule and the results produced on an artifact as it passes through stages in the pipeline.

Contents

input

Input details for the rule execution, such as role ARN, Region, and input artifacts.

Type: RuleExecutionInput object

Required: No

lastUpdateTime

The date and time of the last change to the rule execution, in timestamp format.

Type: Timestamp

Required: No

output

Output details for the rule execution, such as the rule execution result.

Type: RuleExecutionOutput object

Required: No

pipelineExecutionId

The ID of the pipeline execution in the stage where the rule was run. Use the GetPipelineState action to retrieve the current pipelineExecutionId of the stage.

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

pipelineVersion

The version number of the pipeline with the stage where the rule was run.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

ruleExecutionId

The ID of the run for the rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

ruleName

The name of the rule that was run in the stage.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: No

stageName

The name of the stage where the rule was run.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: No

startTime

The start time of the rule execution.

Type: Timestamp

Required: No

status

The status of the rule execution. Status categories are `InProgress`, `Succeeded`, and `Failed`.

Type: String

Valid Values: `InProgress | Abandoned | Succeeded | Failed`

Required: No

updatedBy

The ARN of the user who changed the rule execution details.

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

RuleExecutionFilter

Filter values for the rule execution.

Contents

latestInPipelineExecution

The field that specifies to filter on the latest execution in the pipeline.

> **Note**
>
> Filtering on the latest execution is available for executions run on or after February 08, 2024.

Type: LatestInPipelineExecutionFilter object

Required: No

pipelineExecutionId

The pipeline execution ID used to filter rule execution history.

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

See Also

For 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

RuleExecutionInput

Input information used for a rule execution.

Contents

configuration

Configuration data for a rule execution, such as the resolved values for that 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 50.

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

Required: No

inputArtifacts

Details of input artifacts of the rule that correspond to the rule execution.

Type: Array of ArtifactDetail objects

Required: No

region

The AWS Region for the rule, such as us-east-1.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 30.

Required: No

resolvedConfiguration

Configuration data for a rule execution with all variable references replaced with their real values for the execution.

Type: String to string map

Required: No

roleArn

The ARN of the IAM service role that performs the declared rule. This is assumed through the roleArn for the pipeline.

Type: String

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

Pattern: `arn:aws(-[\w]+)*:iam::[0-9]{12}:role/.*`

Required: No

ruleTypeId

The ID for the rule type, which is made up of the combined values for category, owner, provider, and version. For more information about conditions, see Stage conditions. For more information about rules, see the AWS CodePipeline rule reference.

Type: RuleTypeId 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

RuleExecutionOutput

Output details listed for a rule execution, such as the rule execution result.

Contents

executionResult

Execution result information listed in the output details for a rule execution.

Type: RuleExecutionResult 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

RuleExecutionResult

Execution result information, such as the external execution ID.

Contents

errorDetails

Represents information about an error in CodePipeline.

Type: ErrorDetails object

Required: No

externalExecutionId

The external ID for the rule execution.

Type: String

Required: No

externalExecutionSummary

The external provider summary for the rule execution.

Type: String

Required: No

externalExecutionUrl

The deepest external link to the external resource (for example, a repository URL or deployment endpoint) that is used when running the rule.

Type: String

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

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

RuleRevision

The change to a rule that creates a revision of the rule.

Contents

created

The date and time when the most recent version of the rule was created, in timestamp format.

Type: Timestamp

Required: Yes

revisionChangeId

The unique identifier of the change that set the state to this revision (for example, a deployment ID or timestamp).

Type: String

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

Required: Yes

revisionId

The system-generated unique ID that identifies the revision number of the rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1500.

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

RuleState

Returns information about the state of a rule.

> **Note**
>
> Values returned in the `revisionId` field indicate the rule revision information, such as the commit ID, for the current state.

Contents

currentRevision

The ID of the current revision of the artifact successfully worked on by the job.

Type: RuleRevision object

Required: No

entityUrl

A URL link for more information about the state of the action, such as a details page.

Type: String

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

Required: No

latestExecution

Represents information about the latest run of an rule.

Type: RuleExecution object

Required: No

revisionUrl

A URL link for more information about the revision, such as a commit details page.

Type: String

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

Required: No

ruleName

The name of the rule.

Type: String

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

Pattern: `[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

RuleType

The rule type, which is made up of the combined values for category, owner, provider, and version.

Contents

id

Represents information about a rule type.

Type: RuleTypeId object

Required: Yes

inputArtifactDetails

Returns information about the details of an artifact.

Type: ArtifactDetails object

Required: Yes

ruleConfigurationProperties

The configuration properties for the rule type.

Type: Array of RuleConfigurationProperty objects

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

Required: No

settings

Returns information about the settings for a rule type.

Type: RuleTypeSettings 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

RuleTypeId

The ID for the rule type, which is made up of the combined values for category, owner, provider, and version. For more information about conditions, see Stage conditions. For more information about rules, see the AWS CodePipeline rule reference.

Contents

category

A category defines what kind of rule can be run in the stage, and constrains the provider type for the rule. The valid category is `Rule`.

Type: String

Valid Values: `Rule`

Required: Yes

provider

The rule provider, such as the `DeploymentWindow` rule. For a list of rule provider names, see the rules listed in the AWS CodePipeline rule reference.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 35.

Pattern: `[0-9A-Za-z_-]+`

Required: Yes

owner

The creator of the rule being called. The valid value for the `Owner` field in the rule category is `AWS`.

Type: String

Valid Values: `AWS`

Required: No

version

A string that describes the rule version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 9.

Pattern: `[0-9A-Za-z_-]+`

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

RuleTypeSettings

Returns information about the settings for a rule type.

Contents

entityUrlTemplate

The URL returned to the CodePipeline console that provides a deep link to the resources of the external system, such as the configuration page for a CodeDeploy deployment group. This link is provided as part of the action display in the pipeline.

Type: String

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

Required: No

executionUrlTemplate

The URL returned to the CodePipeline console that contains a link to the top-level landing page for the external system, such as the console page for CodeDeploy. This link is shown on the pipeline view page in the CodePipeline console and provides a link to the execution entity of the external action.

Type: String

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

Required: No

revisionUrlTemplate

The URL returned to the CodePipeline console that contains a link to the page where customers can update or change the configuration of the external action.

Type: String

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

Required: No

thirdPartyConfigurationUrl

The URL of a sign-up page where users can sign up for an external service and perform initial configuration of the action provided by that service.

Type: String

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

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

S3ArtifactLocation

The location of the S3 bucket that contains a revision.

Contents

bucketName

The name of the S3 bucket.

Type: String

Required: Yes

objectKey

The key of the object in the S3 bucket, which uniquely identifies the object in the bucket.

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

S3Location

The Amazon S3 artifact location for an action's artifacts.

Contents

bucket

The Amazon S3 artifact bucket for an action's artifacts.

Type: String

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

Required: No

key

The artifact name.

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

SourceRevision

Information about the version (or revision) of a source artifact that initiated a pipeline execution.

Contents

actionName

The name of the action that processed the revision to the source artifact.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

revisionId

The system-generated unique ID that identifies the revision number of the artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1500.

Required: No

revisionSummary

Summary information about the most recent revision of the artifact. For GitHub and CodeCommit repositories, the commit message. For Amazon S3 buckets or actions, the user-provided content of a `codepipeline-artifact-revision-summary` key specified in the object metadata.

Type: String

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

Required: No

revisionUrl

The commit ID for the artifact revision. For artifacts stored in GitHub or CodeCommit repositories, the commit ID is linked to a commit details page.

Type: String

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

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

SourceRevisionOverride

A list that allows you to specify, or override, the source revision for a pipeline execution that's being started. A source revision is the version with all the changes to your application code, or source artifact, for the pipeline execution.

> **Note**
>
> For the S3_OBJECT_VERSION_ID and S3_OBJECT_KEY types of source revisions, either of the types can be used independently, or they can be used together to override the source with a specific ObjectKey and VersionID.

Contents

actionName

The name of the action where the override will be applied.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

revisionType

The type of source revision, based on the source provider. For example, the revision type for the CodeCommit action provider is the commit ID.

Type: String

Valid Values: `COMMIT_ID | IMAGE_DIGEST | S3_OBJECT_VERSION_ID | S3_OBJECT_KEY`

Required: Yes

revisionValue

The source revision, or version of your source artifact, with the changes that you want to run in the pipeline execution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1500.

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

StageConditionsExecution

Represents information about the run of a condition for a stage.

Contents

status

The status of a run of a condition for a stage.

Type: String

Valid Values: `InProgress | Failed | Errored | Succeeded | Cancelled | Abandoned | Overridden`

Required: No

summary

A summary of the run of the condition for a stage.

Type: String

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

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

StageConditionState

The state of a run of a condition for a stage.

Contents

conditionStates

The states of the conditions for a run of a condition for a stage.

Type: Array of ConditionState objects

Required: No

latestExecution

Represents information about the latest run of a condition for a stage.

Type: StageConditionsExecution 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

StageContext

Represents information about a stage to a job worker.

Contents

name

The name of the stage.

Type: String

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

Pattern: `[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

StageDeclaration

Represents information about a stage and its definition.

Contents

actions

The actions included in a stage.

Type: Array of ActionDeclaration objects

Required: Yes

name

The name of the stage.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

beforeEntry

The method to use when a stage allows entry. For example, configuring this field for conditions will allow entry to the stage when the conditions are met.

Type: BeforeEntryConditions object

Required: No

blockers

Reserved for future use.

Type: Array of BlockerDeclaration objects

Required: No

onFailure

The method to use when a stage has not completed successfully. For example, configuring this field for rollback will roll back a failed stage automatically to the last successful pipeline execution in the stage.

Type: FailureConditions object

Required: No

onSuccess

The method to use when a stage has succeeded. For example, configuring this field for conditions will allow the stage to succeed when the conditions are met.

Type: SuccessConditions 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

StageExecution

Represents information about the run of a stage.

Contents

pipelineExecutionId

The ID of the pipeline execution associated with the stage.

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

status

The status of the stage, or for a completed stage, the last status of the stage.

> **Note**
>
> A status of cancelled means that the pipeline's definition was updated before the stage execution could be completed.

Type: String

Valid Values: `Cancelled | InProgress | Failed | Stopped | Stopping | Succeeded | Skipped`

Required: Yes

type

The type of pipeline execution for the stage, such as a rollback pipeline execution.

Type: String

Valid Values: `STANDARD | ROLLBACK`

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

StageState

Represents information about the state of the stage.

Contents

actionStates

The state of the stage.

Type: Array of ActionState objects

Required: No

beforeEntryConditionState

The state of the entry conditions for a stage.

Type: StageConditionState object

Required: No

inboundExecution

Represents information about the run of a stage.

Type: StageExecution object

Required: No

inboundExecutions

The inbound executions for a stage.

Type: Array of StageExecution objects

Required: No

inboundTransitionState

The state of the inbound transition, which is either enabled or disabled.

Type: TransitionState object

Required: No

latestExecution

Information about the latest execution in the stage, including its ID and status.

Type: StageExecution object

Required: No

onFailureConditionState

The state of the failure conditions for a stage.

Type: StageConditionState object

Required: No

onSuccessConditionState

The state of the success conditions for a stage.

Type: StageConditionState object

Required: No

retryStageMetadata

he details of a specific automatic retry on stage failure, including the attempt number and trigger.

Type: RetryStageMetadata object

Required: No

stageName

The name of the stage.

Type: String

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

Pattern: `[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

StopExecutionTrigger

The interaction that stopped a pipeline execution.

Contents

reason

The user-specified reason the pipeline was stopped.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 200.

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

SucceededInStageFilter

Filter for pipeline executions that have successfully completed the stage in the current pipeline version.

Contents

stageName

The name of the stage for filtering for pipeline executions where the stage was successful in the current pipeline version.

Type: String

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

Pattern: `[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

SuccessConditions

The conditions for making checks that, if met, succeed a stage. For more information about conditions, see Stage conditions and How do stage conditions work?.

Contents

conditions

The conditions that are success conditions.

Type: Array of Condition objects

Array Members: Fixed number of 1 item.

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

Tag

A tag is a key-value pair that is used to manage the resource.

Contents

key

The tag's key.

Type: String

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

Required: Yes

value

The tag's value.

Type: String

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

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

TargetFilter

Filters the list of targets.

Contents

name

The name on which to filter.

Type: String

Valid Values: `TARGET_STATUS`

Required: No

values

The values on which to filter.

Type: Array of strings

Length Constraints: Minimum length of 1.

Required: No

See Also

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

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

ThirdPartyJob

A response to a `PollForThirdPartyJobs` request returned by CodePipeline when there is a job to be worked on by a partner action.

Contents

clientId

The `clientToken` portion of the `clientId` and `clientToken` pair used to verify that the calling entity is allowed access to the job and its details.

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

jobId

The identifier used to identify the job in CodePipeline.

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

See Also

For 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

ThirdPartyJobData

Represents information about the job data for a partner action.

Contents

actionConfiguration

Represents information about an action configuration.

Type: ActionConfiguration object

Required: No

actionTypeId

Represents information about an action type.

Type: ActionTypeId object

Required: No

artifactCredentials

Represents an AWS session credentials object. These credentials are temporary credentials that are issued by AWS Secure Token Service (STS). They can be used to access input and output artifacts in the S3 bucket used to store artifact for the pipeline in CodePipeline.

Type: AWSSessionCredentials object

Required: No

continuationToken

A system-generated token, such as a CodeDeploy deployment ID, that a job requires to continue the job asynchronously.

Type: String

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

Required: No

encryptionKey

The encryption key used to encrypt and decrypt data in the artifact store for the pipeline, such as an AWS Key Management Service (AWS KMS) key. This is optional and might not be present.

Type: EncryptionKey object

Required: No

inputArtifacts

The name of the artifact that is worked on by the action, if any. This name might be system-generated, such as "MyApp", or it might be defined by the user when the action is created. The input artifact name must match the name of an output artifact generated by an action in an earlier action or stage of the pipeline.

Type: Array of Artifact objects

Required: No

outputArtifacts

The name of the artifact that is the result of the action, if any. This name might be system-generated, such as "MyBuiltApp", or it might be defined by the user when the action is created.

Type: Array of Artifact objects

Required: No

pipelineContext

Represents information about a pipeline to a job worker.

> **Note**
>
> Does not include `pipelineArn` and `pipelineExecutionId` for ThirdParty jobs.

Type: PipelineContext 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

ThirdPartyJobDetails

The details of a job sent in response to a `GetThirdPartyJobDetails` request.

Contents

data

The data to be returned by the third party job worker.

Type: ThirdPartyJobData object

Required: No

id

The identifier used to identify the job details in CodePipeline.

Type: String

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

Required: No

nonce

A system-generated random number that CodePipeline uses to ensure that the job is being worked on by only one job worker. Use this number in an AcknowledgeThirdPartyJob request.

Type: String

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

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

TransitionState

Represents information about the state of transitions between one stage and another stage.

Contents

disabledReason

The user-specified reason why the transition between two stages of a pipeline was disabled.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 300.

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

Required: No

enabled

Whether the transition between stages is enabled (true) or disabled (false).

Type: Boolean

Required: No

lastChangedAt

The timestamp when the transition state was last changed.

Type: Timestamp

Required: No

lastChangedBy

The ID of the user who last changed the transition state.

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

WebhookAuthConfiguration

The authentication applied to incoming webhook trigger requests.

Contents

AllowedIPRange

The property used to configure acceptance of webhooks in an IP address range. For IP, only the `AllowedIPRange` property must be set. This property must be set to a valid CIDR range.

Type: String

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

Required: No

SecretToken

The property used to configure GitHub authentication. For GITHUB_HMAC, only the `SecretToken` property must be set.

> **Important**
>
> When creating CodePipeline webhooks, do not use your own credentials or reuse the same secret token across multiple webhooks. For optimal security, generate a unique secret token for each webhook you create. The secret token is an arbitrary string that you provide, which GitHub uses to compute and sign the webhook payloads sent to CodePipeline, for protecting the integrity and authenticity of the webhook payloads. Using your own credentials or reusing the same token across multiple webhooks can lead to security vulnerabilities.

> **Note**
>
> If a secret token was provided, it will be redacted in the response.

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

WebhookDefinition

Represents information about a webhook and its definition.

Contents

authentication

Supported options are GITHUB_HMAC, IP, and UNAUTHENTICATED.

> **Important**
>
> When creating CodePipeline webhooks, do not use your own credentials or reuse the same secret token across multiple webhooks. For optimal security, generate a unique secret token for each webhook you create. The secret token is an arbitrary string that you provide, which GitHub uses to compute and sign the webhook payloads sent to CodePipeline, for protecting the integrity and authenticity of the webhook payloads. Using your own credentials or reusing the same token across multiple webhooks can lead to security vulnerabilities.

> **Note**
>
> If a secret token was provided, it will be redacted in the response.

- For information about the authentication scheme implemented by GITHUB_HMAC, see Securing your webhooks on the GitHub Developer website.
- IP rejects webhooks trigger requests unless they originate from an IP address in the IP range whitelisted in the authentication configuration.
- UNAUTHENTICATED accepts all webhook trigger requests regardless of origin.

Type: String

Valid Values: `GITHUB_HMAC | IP | UNAUTHENTICATED`

Required: Yes

authenticationConfiguration

Properties that configure the authentication applied to incoming webhook trigger requests. The required properties depend on the authentication type. For GITHUB_HMAC, only the `SecretToken` property must be set. For IP, only the `AllowedIPRange` property must be set to a valid CIDR range. For UNAUTHENTICATED, no properties can be set.

Type: WebhookAuthConfiguration object

Required: Yes

filters

A list of rules applied to the body/payload sent in the POST request to a webhook URL. All defined rules must pass for the request to be accepted and the pipeline started.

Type: Array of WebhookFilterRule objects

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

Required: Yes

name

The name of the webhook.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

targetAction

The name of the action in a pipeline you want to connect to the webhook. The action must be from the source (first) stage of the pipeline.

Type: String

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

Pattern: `[A-Za-z0-9.@\-_]+`

Required: Yes

targetPipeline

The name of the pipeline you want to connect to the webhook.

Type: String

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

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

WebhookFilterRule

The event criteria that specify when a webhook notification is sent to your URL.

Contents

jsonPath

A JsonPath expression that is applied to the body/payload of the webhook. The value selected by the JsonPath expression must match the value specified in the `MatchEquals` field. Otherwise, the request is ignored. For more information, see Java JsonPath implementation in GitHub.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 150.

Required: Yes

matchEquals

The value selected by the `JsonPath` expression must match what is supplied in the `MatchEquals` field. Otherwise, the request is ignored. Properties from the target action configuration can be included as placeholders in this value by surrounding the action configuration key with curly brackets. For example, if the value supplied here is "refs/heads/{Branch}" and the target action has an action configuration property called "Branch" with a value of "main", the `MatchEquals` value is evaluated as "refs/heads/main". For a list of action configuration properties for built-in action types, see Pipeline Structure Reference Action Requirements.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 150.

Required: No

See Also

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

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

Common Parameters

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

X-Amz-Algorithm

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

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

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

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

For more information, see Create a signed AWS API request in the *IAM User Guide*.

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

Type: string

Required: Conditional

X-Amz-Date

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

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

Type: string

Required: Conditional

X-Amz-Security-Token

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

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

Type: string

Required: Conditional

X-Amz-Signature

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

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

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

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

Type: string

Required: Conditional

Common Error Types

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

AccessDeniedException

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

HTTP Status Code: 403

ExpiredTokenException

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

HTTP Status Code: 403

IncompleteSignature

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

HTTP Status Code: 403

InternalFailure

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

HTTP Status Code: 500

MalformedHttpRequestException

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

HTTP Status Code: 400

NotAuthorized

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

HTTP Status Code: 401

OptInRequired

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

HTTP Status Code: 403

RequestAbortedException

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

HTTP Status Code: 400

RequestEntityTooLargeException

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

HTTP Status Code: 413

RequestTimeoutException

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

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

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

HTTP Status Code: 400

UnknownOperationException

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

HTTP Status Code: 404

UnrecognizedClientException

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

HTTP Status Code: 403

ValidationError

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

HTTP Status Code: 400