
AWS CodeDeploy

API Reference

API Version 2014-10-06



AWS CodeDeploy: API Reference

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Welcome

Overview

This is the AWS CodeDeploy API Reference. This guide provides descriptions of the AWS CodeDeploy APIs. For additional information, see the [AWS CodeDeploy User Guide](#).

Using the APIs

You can use the AWS CodeDeploy APIs to work with the following items:

- Applications are unique identifiers that AWS CodeDeploy uses to ensure that the correct combinations of revisions, deployment configurations, and deployment groups are being referenced during deployments.

You can use the AWS CodeDeploy APIs to create, delete, get, list, and update applications.

- Deployment configurations are sets of deployment rules and deployment success and failure conditions that AWS CodeDeploy uses during deployments.

You can use the AWS CodeDeploy APIs to create, delete, get, and list deployment configurations.

- Deployment groups are groups of instances to which application revisions can be deployed.

You can use the AWS CodeDeploy APIs to create, delete, get, list, and update deployment groups.

- Instances represent Amazon EC2 instances to which application revisions are deployed. Instances are identified by their Amazon EC2 tags or Auto Scaling group names. Instances belong to deployment groups.

You can use the AWS CodeDeploy APIs to get and list instances.

- Deployments represent the process of deploying revisions to instances.

You can use the AWS CodeDeploy APIs to create, get, list, and stop deployments.

- Application revisions are archive files that are stored in Amazon S3 buckets or GitHub repositories. These revisions contain source content (such as source code, web pages, executable files, any deployment scripts, and similar) along with an Application Specification file (AppSpec file). (The AppSpec file is unique to AWS CodeDeploy; it defines a series of deployment actions that you want AWS CodeDeploy to execute.) An application revision is uniquely identified by its Amazon S3 object key and its ETag, version, or both (for application revisions that are stored in Amazon S3 buckets) or by its repository name and commit ID (for applications revisions that are stored in GitHub repositories). Application revisions are deployed through deployment groups.

You can use the AWS CodeDeploy APIs to get, list, and register application revisions.

This document was last updated on September 3, 2015.

Actions

The following actions are supported:

- [AddTagsToOnPremisesInstances](#) (p. 5)
- [BatchGetApplications](#) (p. 7)
- [BatchGetDeployments](#) (p. 9)
- [BatchGetOnPremisesInstances](#) (p. 13)
- [CreateApplication](#) (p. 16)
- [CreateDeployment](#) (p. 18)
- [CreateDeploymentConfig](#) (p. 22)
- [CreateDeploymentGroup](#) (p. 25)
- [DeleteApplication](#) (p. 30)
- [DeleteDeploymentConfig](#) (p. 32)
- [DeleteDeploymentGroup](#) (p. 34)
- [DeregisterOnPremisesInstance](#) (p. 36)
- [GetApplication](#) (p. 38)
- [GetApplicationRevision](#) (p. 40)
- [GetDeployment](#) (p. 44)
- [GetDeploymentConfig](#) (p. 47)
- [GetDeploymentGroup](#) (p. 49)
- [GetDeploymentInstance](#) (p. 52)
- [GetOnPremisesInstance](#) (p. 55)
- [ListApplicationRevisions](#) (p. 57)
- [ListApplications](#) (p. 61)
- [ListDeploymentConfigs](#) (p. 63)
- [ListDeploymentGroups](#) (p. 65)
- [ListDeploymentInstances](#) (p. 68)
- [ListDeployments](#) (p. 71)
- [ListOnPremisesInstances](#) (p. 75)
- [RegisterApplicationRevision](#) (p. 78)
- [RegisterOnPremisesInstance](#) (p. 81)
- [RemoveTagsFromOnPremisesInstances](#) (p. 83)
- [StopDeployment](#) (p. 85)

- [UpdateApplication](#) (p. 87)
- [UpdateDeploymentGroup](#) (p. 89)

AddTagsToOnPremisesInstances

Adds tags to on-premises instances.

Request Syntax

```
{
  "InstanceNames": [
    "string"
  ],
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

InstanceNames

The names of the on-premises instances to add tags to.

Type: array of Strings

Required: Yes

Tags

The tag key-value pairs to add to the on-premises instances.

Keys and values are both required. Keys cannot be nulls or empty strings. Value-only tags are not allowed.

Type: array of [Tag \(p. 108\)](#) 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 Errors \(p. 114\)](#).

InstanceLimitExceededException

The maximum number of allowed on-premises instances in a single call was exceeded.

HTTP Status Code: 400

InstanceNameRequiredException

An on-premises instance name was not specified.

HTTP Status Code: 400

InstanceNotRegisteredException

The specified on-premises instance is not registered.

HTTP Status Code: 400

InvalidTagException

The specified tag was specified in an invalid format.

HTTP Status Code: 400

TagLimitExceededException

The maximum allowed number of tags was exceeded.

HTTP Status Code: 400

TagRequiredException

A tag was not specified.

HTTP Status Code: 400

Examples

Sample Request

```
{
  "instanceNames": [
    "AssetTag12010298EX"
  ],
  "tags": [
    {
      "Value": "CodeDeploy-OnPrem",
      "Key": "Name"
    }
  ]
}
```

Sample Response

```
Empty.
```

BatchGetApplications

Gets information about one or more applications.

Request Syntax

```
{
  "ApplicationNames": [
    "string"
  ]
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationNames

A list of application names, with multiple application names separated by spaces.

Type: array of Strings

Required: No

Response Syntax

```
{
  "ApplicationsInfo": [
    {
      "ApplicationId": "string",
      "ApplicationName": "string",
      "CreateTime": number,
      "LinkedToGitHub": boolean
    }
  ]
}
```

Response Elements

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

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

ApplicationsInfo

Information about the applications.

Type: array of [ApplicationInfo \(p. 94\)](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

ApplicationDoesNotExistException

The application does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

BatchLimitExceededException

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'applicationNames': [
    'WordPress_App',
    'MyOther_App'
  ]
}
```

Sample Response

```
{
  "applicationsInfo": [
    {
      "applicationName": "WordPress_App",
      "applicationId": "d9dd6993-f171-44fa-a811-211e4EXAMPLE",
      "createTime": 1407878168.078
    },
    {
      "applicationName": "MyOther_App",
      "applicationId": "8ca57519-31da-42b2-9194-8bb16EXAMPLE",
      "createTime": 1407453571.63
    }
  ]
}
```

BatchGetDeployments

Gets information about one or more deployments.

Request Syntax

```
{
  "DeploymentIds": [
    "string"
  ]
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

DeploymentIds

A list of deployment IDs, with multiple deployment IDs separated by spaces.

Type: array of Strings

Required: No

Response Syntax

```
{
  "DeploymentsInfo": [
    {
      "ApplicationName": "string",
      "CompleteTime": number,
      "CreateTime": number,
      "Creator": "string",
      "DeploymentConfigName": "string",
      "DeploymentGroupName": "string",
      "DeploymentId": "string",
      "DeploymentOverview": {
        "Failed": number,
        "InProgress": number,
        "Pending": number,
        "Skipped": number,
        "Succeeded": number
      },
      "Description": "string",
      "ErrorInformation": {
        "Code": "string",
        "Message": "string"
      },
      "IgnoreApplicationStopFailures": boolean,
      "Revision": {
```



```
    "GitHubLocation": {
      "CommitId": "string",
      "Repository": "string"
    },
    "RevisionType": "string",
    "S3Location": {
      "Bucket": "string",
      "BundleType": "string",
      "ETag": "string",
      "Key": "string",
      "Version": "string"
    }
  },
  "StartTime": number,
  "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.

DeploymentsInfo

Information about the deployments.

Type: array of [DeploymentInfo](#) (p. 97) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 114).

BatchLimitExceededException

HTTP Status Code: 400

DeploymentIdRequiredException

At least one deployment ID must be specified.

HTTP Status Code: 400

InvalidDeploymentIdException

At least one of the deployment IDs was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'deploymentIds': [
    'd-USUAELQEX',
    'd-QA4G4F9EX'
  ]
}
```

```
]
}
```

Sample Response

```
{
  "deploymentsInfo": [
    {
      "applicationName": "WordPress_App",
      "status": "Succeeded",
      "deploymentOverview": {
        "Failed": 0,
        "InProgress": 0,
        "Skipped": 0,
        "Succeeded": 1,
        "Pending": 0
      },
      "deploymentConfigName": "CodeDeployDefault.OneAtATime",
      "deploymentGroupName": "WordPress_DG",
      "revision": {
        "revisionType": "S3",
        "s3Location": {
          "bundleType": "zip",
          "version": "uTecLusvCB_JqHFXtfUcyfV8bEXAMPLE",
          "bucket": "CodeDeployDemoBucket",
          "key": "WordPressApp.zip"
        }
      },
      "deploymentId": "d-USUAELQEX",
      "createTime": 1399994808.339,
      "completeTime": 1399994921.17
    },
    {
      "applicationName": "MyOther_App",
      "status": "Failed",
      "deploymentOverview": {
        "Failed": 1,
        "InProgress": 0,
        "Skipped": 0,
        "Succeeded": 0,
        "Pending": 0
      },
      "deploymentConfigName": "CodeDeployDefault.OneAtATime",
      "deploymentGroupName": "MyOther_DG",
      "revision": {
        "revisionType": "S3",
        "s3Location": {
          "bundleType": "zip",
          "eTag": "\"dd56cfd59d434b8e768f9d77fEXAMPLE\"",
          "bucket": "CodeDeployDemoBucket",
          "key": "MyOtherApp.zip"
        }
      },
      "deploymentId": "d-QA4G4F9EX",
      "createTime": 1400179436.239,
      "completeTime": 1400179702.518
    }
  ]
}
```

```
}  
  ]  
}
```

BatchGetOnPremisesInstances

Gets information about one or more on-premises instances.

Request Syntax

```
{
  "InstanceNames": [
    "string"
  ]
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

InstanceNames

The names of the on-premises instances to get information about.

Type: array of Strings

Required: No

Response Syntax

```
{
  "InstanceInfos": [
    {
      "DeregisterTime": number,
      "IamUserArn": "string",
      "InstanceArn": "string",
      "InstanceName": "string",
      "RegisterTime": 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.

InstanceInfos

Information about the on-premises instances.

Type: array of [InstanceInfo](#) (p. 103) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 114).

BatchLimitExceededException

HTTP Status Code: 400

InstanceNameRequiredException

An on-premises instance name was not specified.

HTTP Status Code: 400

InvalidInstanceNameException

The specified on-premises instance name was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  "instanceNames": [
    "AssetTag12010298EX",
    "AssetTag23121309EX"
  ]
}
```

Sample Response

```
{
  "instanceInfos": [
    {
      "iamUserArn": "arn:aws:iam::80398EXAMPLE:user/AWS/CodeDeploy/AssetTag12010298EX",
      "tags": [
        {
          "Value": "CodeDeployDemo-OnPrem",
          "Key": "Name"
        }
      ],
      "instanceName": "AssetTag12010298EX",
      "registerTime": 1425579465.228,
      "instanceArn": "arn:aws:codedeploy:us-west-2:80398EXAMPLE:instance/AssetTag12010298EX_4IwLNI2Alh"
    },
    {
      "iamUserArn": "arn:aws:iam::80398EXAMPLE:user/AWS/CodeDeploy/AssetTag23121309EX",
      "tags": [
```

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```
    {
      "Value": "CodeDeployDemo-OnPrem",
      "Key": "Name"
    }
  ],
  "instanceName": "AssetTag23121309EX",
  "registerTime": 1425595585.988,
  "instanceArn": "arn:aws:codedeploy:us-west-2:80398EXAMPLE:instance/AssetTag23121309EX_PomUy64Was"
}
]
```

CreateApplication

Creates a new application.

Request Syntax

```
{  
  "ApplicationName": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The name of the application. This name must be unique with the applicable IAM user or AWS account.

Type: String

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

Required: Yes

Response Syntax

```
{  
  "ApplicationId": "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.

ApplicationId

A unique application ID.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

ApplicationAlreadyExistsException

An application with the specified name already exists with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationLimitExceededException

More applications were attempted to be created than were allowed.

HTTP Status Code: 400

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'applicationName': 'WordPress_App'
}
```

Sample Response

```
{
  "applicationId": "30971194-c7c8-4b8c-abc4-f6291EXAMPLE"
}
```


CreateDeployment

Deploys an application revision through the specified deployment group.

Request Syntax

```
{
  "ApplicationName": "string",
  "DeploymentConfigName": "string",
  "DeploymentGroupName": "string",
  "Description": "string",
  "IgnoreApplicationStopFailures": boolean,
  "Revision": {
    "GitHubLocation": {
      "CommitId": "string",
      "Repository": "string"
    },
    "RevisionType": "string",
    "S3Location": {
      "Bucket": "string",
      "BundleType": "string",
      "ETag": "string",
      "Key": "string",
      "Version": "string"
    }
  }
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The name of an existing AWS CodeDeploy application associated with the applicable IAM user or AWS account.

Type: String

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

Required: Yes

DeploymentConfigName

The name of an existing deployment configuration associated with the applicable IAM user or AWS account.

If not specified, the value configured in the deployment group will be used as the default. If the deployment group does not have a deployment configuration associated with it, then CodeDeployDefault.OneAtATime will be used by default.

Type: String

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

Required: No

DeploymentGroupName

The deployment group's name.

Type: String

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

Required: No

Description

A comment about the deployment.

Type: String

Required: No

IgnoreApplicationStopFailures

If set to true, then if the deployment causes the ApplicationStop deployment lifecycle event to fail to a specific instance, the deployment will not be considered to have failed to that instance at that point and will continue on to the BeforeInstall deployment lifecycle event.

If set to false or not specified, then if the deployment causes the ApplicationStop deployment lifecycle event to fail to a specific instance, the deployment will stop to that instance, and the deployment to that instance will be considered to have failed.

Type: Boolean

Required: No

Revision

The type of revision to deploy, along with information about the revision's location.

Type: [RevisionLocation](#) (p. 106) object

Required: No

Response Syntax

```
{
  "DeploymentId": "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.

DeploymentId

A unique deployment ID.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

ApplicationDoesNotExistException

The application does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

DeploymentConfigDoesNotExistException

The deployment configuration does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentGroupDoesNotExistException

The named deployment group does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentGroupNameRequiredException

The deployment group name was not specified.

HTTP Status Code: 400

DeploymentLimitExceededException

The number of allowed deployments was exceeded.

HTTP Status Code: 400

DescriptionTooLongException

The description that was provided is too long.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

InvalidDeploymentConfigNameException

The deployment configuration name was specified in an invalid format.

HTTP Status Code: 400

InvalidDeploymentGroupNameException

The deployment group name was specified in an invalid format.

HTTP Status Code: 400

InvalidRevisionException

The revision was specified in an invalid format.

HTTP Status Code: 400

RevisionRequiredException

The revision ID was not specified.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'applicationName': 'WordPress_App',
  'deploymentGroupName': 'WordPress_DG',
  'revision': {
    'revisionType': 'S3',
    's3location': {
      'bundleType': 'zip',
      'version': 'f0JpV1ZjSu732H5CL.jGcyroEXAMPLE',
      'bucket': 'CodeDeployDemoBucket',
      'key': 'WordPressApp.zip',
      'eTag': 'd71734e554abfd1302a64fc4a6bEXAMPLE'
    }
  },
  'deploymentConfigName': 'CodeDeployDefault.OneAtATime',
  'description': 'My demo deployment'
}
```

Sample Response

```
{
  "deploymentId": "05f5f7aa-b77a-45b5-80ba-77578EXAMPLE"
}
```

CreateDeploymentConfig

Creates a new deployment configuration.

Request Syntax

```
{
  "DeploymentConfigName": "string",
  "MinimumHealthyHosts": {
    "Type": "string",
    "Value": number
  }
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

DeploymentConfigName

The name of the deployment configuration to create.

Type: String

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

Required: Yes

MinimumHealthyHosts

The minimum number of healthy instances that should be available at any time during the deployment. There are two parameters expected in the input: type and value.

The type parameter takes either of the following values:

- **HOST_COUNT**: The value parameter represents the minimum number of healthy instances, as an absolute value.
- **FLEET_PERCENT**: The value parameter represents the minimum number of healthy instances, as a percentage of the total number of instances in the deployment. If you specify **FLEET_PERCENT**, then at the start of the deployment AWS CodeDeploy converts the percentage to the equivalent number of instances and rounds fractional instances up.

The value parameter takes an integer.

For example, to set a minimum of 95% healthy instances, specify a type of **FLEET_PERCENT** and a value of 95.

Type: [MinimumHealthyHosts \(p. 106\)](#) object

Required: No

Response Syntax

```
{  
  "DeploymentConfigId": "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.

DeploymentConfigId

A unique deployment configuration ID.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

DeploymentConfigAlreadyExistsException

A deployment configuration with the specified name already exists with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentConfigLimitExceededException

The deployment configurations limit was exceeded.

HTTP Status Code: 400

DeploymentConfigNameRequiredException

The deployment configuration name was not specified.

HTTP Status Code: 400

InvalidDeploymentConfigNameException

The deployment configuration name was specified in an invalid format.

HTTP Status Code: 400

InvalidMinimumHealthyHostValueException

The minimum healthy instances value was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'minimumHealthyHosts': {
    'type': 'FLEET_PERCENT',
    'value': 75
  },
  'deploymentConfigName': 'ThreeQuartersHealthy'
}
```

Sample Response

```
{
  "deploymentConfigId": "5fc32081-1df8-4581-a79b-4291bEXAMPLE"
}
```

CreateDeploymentGroup

Creates a new deployment group for application revisions to be deployed to.

Request Syntax

```
{
  "ApplicationName": "string",
  "AutoScalingGroups": [
    "string"
  ],
  "DeploymentConfigName": "string",
  "DeploymentGroupName": "string",
  "Ec2TagFilters": [
    {
      "Key": "string",
      "Type": "string",
      "Value": "string"
    }
  ],
  "OnPremisesInstanceTagFilters": [
    {
      "Key": "string",
      "Type": "string",
      "Value": "string"
    }
  ],
  "ServiceRoleArn": "string"
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The name of an existing AWS CodeDeploy application associated with the applicable IAM user or AWS account.

Type: String

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

Required: Yes

AutoScalingGroups

A list of associated Auto Scaling groups.

Type: array of Strings

Required: No

DeploymentConfigName

If specified, the deployment configuration name must be one of the predefined values, or it can be a custom deployment configuration:

- `CodeDeployDefault.AllAtOnce` deploys an application revision to up to all of the instances at once. The overall deployment succeeds if the application revision deploys to at least one of the instances. The overall deployment fails after the application revision fails to deploy to all of the instances. For example, for 9 instances, deploy to up to all 9 instances at once. The overall deployment succeeds if any of the 9 instances is successfully deployed to, and it fails if all 9 instances fail to be deployed to.
- `CodeDeployDefault.HalfAtATime` deploys to up to half of the instances at a time (with fractions rounded down). The overall deployment succeeds if the application revision deploys to at least half of the instances (with fractions rounded up); otherwise, the deployment fails. For example, for 9 instances, deploy to up to 4 instances at a time. The overall deployment succeeds if 5 or more instances are successfully deployed to; otherwise, the deployment fails. Note that the deployment may successfully deploy to some instances, even if the overall deployment fails.
- `CodeDeployDefault.OneAtATime` deploys the application revision to only one of the instances at a time. The overall deployment succeeds if the application revision deploys to all of the instances. The overall deployment fails after the application revision first fails to deploy to any one instances. For example, for 9 instances, deploy to one instance at a time. The overall deployment succeeds if all 9 instances are successfully deployed to, and it fails if any of one of the 9 instances fail to be deployed to. Note that the deployment may successfully deploy to some instances, even if the overall deployment fails. This is the default deployment configuration if a configuration isn't specified for either the deployment or the deployment group.

To create a custom deployment configuration, call the create deployment configuration operation.

Type: String

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

Required: No

DeploymentGroupName

The name of a new deployment group for the specified application.

Type: String

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

Required: Yes

Ec2TagFilters

The Amazon EC2 tags to filter on.

Type: array of [EC2TagFilter \(p. 100\)](#) objects

Required: No

OnPremisesInstanceTagFilters

The on-premises instance tags to filter on.

Type: array of [TagFilter \(p. 108\)](#) objects

Required: No

ServiceRoleArn

A service role ARN that allows AWS CodeDeploy to act on the user's behalf when interacting with AWS services.

Type: String

Required: Yes

Response Syntax

```
{  
  "DeploymentGroupId": "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.

DeploymentGroupId

A unique deployment group ID.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

ApplicationDoesNotExistException

The application does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

DeploymentConfigDoesNotExistException

The deployment configuration does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentGroupAlreadyExistsException

A deployment group with the specified name already exists with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentGroupLimitExceededException

The deployment groups limit was exceeded.

HTTP Status Code: 400

DeploymentGroupNameRequiredException

The deployment group name was not specified.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

InvalidAutoScalingGroupException

The Auto Scaling group was specified in an invalid format or does not exist.

HTTP Status Code: 400

InvalidDeploymentConfigNameException

The deployment configuration name was specified in an invalid format.

HTTP Status Code: 400

InvalidDeploymentGroupNameException

The deployment group name was specified in an invalid format.

HTTP Status Code: 400

InvalidEC2TagException

The tag was specified in an invalid format.

HTTP Status Code: 400

InvalidRoleException

The service role ARN was specified in an invalid format. Or, if an Auto Scaling group was specified, the specified service role does not grant the appropriate permissions to Auto Scaling.

HTTP Status Code: 400

InvalidTagException

The specified tag was specified in an invalid format.

HTTP Status Code: 400

LifecycleHookLimitExceededException

The limit for lifecycle hooks was exceeded.

HTTP Status Code: 400

RoleRequiredException

The role ID was not specified.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'applicationName': 'WordPress_App',
  'serviceRoleArn': 'arn:aws:iam::80398EXAMPLE:role/CodeDeployDemoRole',
  'deploymentGroupName': 'WordPress_DG',
  'ec2TagFilters': [
    {
      'Type': 'KEY_AND_VALUE',
      'Value': 'CodeDeployDemo',
      'Key': 'Name'
    }
  ]
}
```

Sample Response

```
{  
  "deploymentGroupId": "b5c61f79-7d30-4919-8b96-bfad9EXAMPLE"  
}
```

DeleteApplication

Deletes an application.

Request Syntax

```
{  
  "ApplicationName": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The name of an existing AWS CodeDeploy application associated with the applicable IAM user or AWS account.

Type: String

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

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 Errors \(p. 114\)](#).

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{  
  'applicationName': 'WordPress_App'  
}
```

Sample Response

```
Empty.
```

DeleteDeploymentConfig

Deletes a deployment configuration.

Note

A deployment configuration cannot be deleted if it is currently in use. Also, predefined configurations cannot be deleted.

Request Syntax

```
{  
  "DeploymentConfigName": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

DeploymentConfigName

The name of an existing deployment configuration associated with the applicable IAM user or AWS account.

Type: String

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

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 Errors \(p. 114\)](#).

DeploymentConfigInUseException

The deployment configuration is still in use.

HTTP Status Code: 400

DeploymentConfigNameRequiredException

The deployment configuration name was not specified.

HTTP Status Code: 400

InvalidDeploymentConfigNameException

The deployment configuration name was specified in an invalid format.

HTTP Status Code: 400

InvalidOperationException

An invalid operation was detected.

HTTP Status Code: 400

Examples

Sample Request

```
{  
  'deploymentConfigName': 'ThreeQuartersHealthy'  
}
```

Sample Response

```
Empty.
```


DeleteDeploymentGroup

Deletes a deployment group.

Request Syntax

```
{
  "ApplicationName": "string",
  "DeploymentGroupName": "string"
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The name of an existing AWS CodeDeploy application associated with the applicable IAM user or AWS account.

Type: String

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

Required: Yes

DeploymentGroupName

The name of an existing deployment group for the specified application.

Type: String

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

Required: Yes

Response Syntax

```
{
  "HooksNotCleanedUp": [
    {
      "Hook": "string",
      "Name": "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.

HooksNotCleanedUp

If the output contains no data, and the corresponding deployment group contained at least one Auto Scaling group, AWS CodeDeploy successfully removed all corresponding Auto Scaling lifecycle event hooks from the Amazon EC2 instances in the Auto Scaling. If the output does contain data, AWS CodeDeploy could not remove some Auto Scaling lifecycle event hooks from the Amazon EC2 instances in the Auto Scaling group.

Type: array of [AutoScalingGroup](#) (p. 94) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 114).

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

DeploymentGroupNameRequiredException

The deployment group name was not specified.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

InvalidDeploymentGroupNameException

The deployment group name was specified in an invalid format.

HTTP Status Code: 400

InvalidRoleException

The service role ARN was specified in an invalid format. Or, if an Auto Scaling group was specified, the specified service role does not grant the appropriate permissions to Auto Scaling.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'applicationName': 'WordPress_App',
  'instanceGroupName': 'WordPress_DG'
}
```

Sample Response

```
{
  "hooksNotCleanedUp": []
}
```

DeregisterOnPremisesInstance

Deregisters an on-premises instance.

Request Syntax

```
{  
  "InstanceName": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

InstanceName

The name of the on-premises instance to deregister.

Type: String

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 Errors \(p. 114\)](#).

InstanceNameRequiredException

An on-premises instance name was not specified.

HTTP Status Code: 400

InvalidInstanceNameException

The specified on-premises instance name was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{  
  "instanceName": "AssetTag12010298EX"  
}
```

Sample Response

Empty.

GetApplication

Gets information about an application.

Request Syntax

```
{  
  "ApplicationName": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The name of an existing AWS CodeDeploy application associated with the applicable IAM user or AWS account.

Type: String

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

Required: Yes

Response Syntax

```
{  
  "Application": {  
    "ApplicationId": "string",  
    "ApplicationName": "string",  
    "CreateTime": number,  
    "LinkedToGitHub": boolean  
  }  
}
```

Response Elements

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

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

Application

Information about the application.

Type: [ApplicationInfo \(p. 94\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

ApplicationDoesNotExistException

The application does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'applicationName': 'WordPress_App'
}
```

Sample Response

```
{
  "application": {
    "applicationName": "WordPress_App",
    "applicationId": "54d6d0f9-8836-445f-8213-c679eEXAMPLE",
    "createTime": 1399916723.782
  }
}
```

GetApplicationRevision

Gets information about an application revision.

Request Syntax

```
{
  "ApplicationName": "string",
  "Revision": {
    "GitHubLocation": {
      "CommitId": "string",
      "Repository": "string"
    },
    "RevisionType": "string",
    "S3Location": {
      "Bucket": "string",
      "BundleType": "string",
      "ETag": "string",
      "Key": "string",
      "Version": "string"
    }
  }
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The name of the application that corresponds to the revision.

Type: String

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

Required: Yes

Revision

Information about the application revision to get, including the revision's type and its location.

Type: [RevisionLocation \(p. 106\)](#) object

Required: Yes

Response Syntax

```
{
  "ApplicationName": "string",
  "Revision": {
    "GitHubLocation": {
```

```
        "CommitId": "string",
        "Repository": "string"
    },
    "RevisionType": "string",
    "S3Location": {
        "Bucket": "string",
        "BundleType": "string",
        "ETag": "string",
        "Key": "string",
        "Version": "string"
    }
},
"RevisionInfo": {
    "DeploymentGroups": [
        "string"
    ],
    "Description": "string",
    "FirstUsedTime": number,
    "LastUsedTime": number,
    "RegisterTime": 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.

ApplicationName

The name of the application that corresponds to the revision.

Type: String

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

Revision

Additional information about the revision, including the revision's type and its location.

Type: [RevisionLocation](#) (p. 106) object

RevisionInfo

General information about the revision.

Type: [GenericRevisionInfo](#) (p. 102) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 114).

ApplicationDoesNotExistException

The application does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

InvalidRevisionException

The revision was specified in an invalid format.

HTTP Status Code: 400

RevisionDoesNotExistException

The named revision does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

RevisionRequiredException

The revision ID was not specified.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'applicationName': 'WordPress_App',
  'revision': {
    'revisionType': 'S3',
    's3Location': {
      'bundleType': 'tar',
      'version': 'f0JPvV1ZjSu732H5CL.jGcyrOEXAMPLE',
      'bucket': 'CodeDeployDemoBucket',
      'key': 'WordPressApp.tar',
      'eTag': 'd71734e554abfd1302a64fc4a6bEXAMPLE'
    }
  }
}
```

Sample Response

```
{
  "applicationName": "WordPress_App",
  "revisionInfo": {
    "lastUsedTime": 1400530140.608,
    "deploymentGroups": [
      "WordPress_DG"
    ],
    "registerTime": 1400530140.608,
    "description": "Application revision registered by Deployment ID: d-
N65I7GEX",
    "firstUsedTime": 1400530140.608
  },
  "revision": {
    "revisionType": "S3",
    "s3Location": {
      "bundleType": "zip",
      "eTag": "d71734e554abfd1302a64fc4a6bEXAMPLE",

```

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```
    "bucket": "CodeDeployDemoBucket",  
    "version": "f0JpV1ZjSu732H5CL.jGcyrOEXAMPLE",  
    "key": "WordPressApp.zip"  
  }  
}
```

GetDeployment

Gets information about a deployment.

Request Syntax

```
{  
  "DeploymentId": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

DeploymentId

An existing deployment ID associated with the applicable IAM user or AWS account.

Type: String

Required: Yes

Response Syntax

```
{  
  "DeploymentInfo": {  
    "ApplicationName": "string",  
    "CompleteTime": number,  
    "CreateTime": number,  
    "Creator": "string",  
    "DeploymentConfigName": "string",  
    "DeploymentGroupName": "string",  
    "DeploymentId": "string",  
    "DeploymentOverview": {  
      "Failed": number,  
      "InProgress": number,  
      "Pending": number,  
      "Skipped": number,  
      "Succeeded": number  
    },  
    "Description": "string",  
    "ErrorInformation": {  
      "Code": "string",  
      "Message": "string"  
    },  
    "IgnoreApplicationStopFailures": boolean,  
    "Revision": {  
      "GitHubLocation": {  
        "CommitId": "string",  
        "Repository": "string"  
      }  
    }  
  }  
}
```

```
    },
    "RevisionType": "string",
    "S3Location": {
      "Bucket": "string",
      "BundleType": "string",
      "ETag": "string",
      "Key": "string",
      "Version": "string"
    }
  },
  "StartTime": number,
  "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.

DeploymentInfo

Information about the deployment.

Type: [DeploymentInfo \(p. 97\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

DeploymentDoesNotExistException

The deployment does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentIdRequiredException

At least one deployment ID must be specified.

HTTP Status Code: 400

InvalidDeploymentIdException

At least one of the deployment IDs was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'deployment_id': 'd-USUAELQEX'
}
```

Sample Response

```
{
  "deploymentInfo": {
    "applicationName": "WordPress_App",
    "status": "Succeeded",
    "deploymentOverview": {
      "Failed": 0,
      "InProgress": 0,
      "Skipped": 0,
      "Succeeded": 1,
      "Pending": 0
    },
    "deploymentConfigName": "CodeDeployDefault.OneAtATime",
    "deploymentGroupName": "WordPress_DG",
    "revision": {
      "revisionType": "S3",
      "s3Location": {
        "bundleType": "zip",
        "eTag": "\"dd56cfd59d434b8e768f9d77fEXAMPLE\"",
        "bucket": "CodeDeployDemoBucket",
        "key": "WordPressApp.zip"
      }
    },
    "deploymentId": "d-USUAELQEX",
    "createTime": 1400179436.239,
    "completeTime": 1400179702.518
  }
}
```

GetDeploymentConfig

Gets information about a deployment configuration.

Request Syntax

```
{
  "DeploymentConfigName": "string"
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

DeploymentConfigName

The name of an existing deployment configuration associated with the applicable IAM user or AWS account.

Type: String

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

Required: Yes

Response Syntax

```
{
  "DeploymentConfigInfo": {
    "CreateTime": number,
    "DeploymentConfigId": "string",
    "DeploymentConfigName": "string",
    "MinimumHealthyHosts": {
      "Type": "string",
      "Value": 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.

DeploymentConfigInfo

Information about the deployment configuration.

Type: [DeploymentConfigInfo \(p. 95\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

DeploymentConfigDoesNotExistException

The deployment configuration does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentConfigNameRequiredException

The deployment configuration name was not specified.

HTTP Status Code: 400

InvalidDeploymentConfigNameException

The deployment configuration name was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'deploymentConfigName': 'ThreeQuartersHealthy'
}
```

Sample Response

```
{
  "deploymentConfigInfo": {
    "deploymentConfigId": "bf6b390b-61d3-4f24-8911-a1664EXAMPLE",
    "minimumHealthyHosts": {
      "type": "FLEET_PERCENT",
      "value": 75
    },
    "deploymentConfigName": "ThreeQuartersHealthy"
  }
}
```

GetDeploymentGroup

Gets information about a deployment group.

Request Syntax

```
{  
  "ApplicationName": "string",  
  "DeploymentGroupName": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The name of an existing AWS CodeDeploy application associated with the applicable IAM user or AWS account.

Type: String

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

Required: Yes

DeploymentGroupName

The name of an existing deployment group for the specified application.

Type: String

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

Required: Yes

Response Syntax

```
{  
  "DeploymentGroupInfo": {  
    "ApplicationName": "string",  
    "AutoScalingGroups": [  
      {  
        "Hook": "string",  
        "Name": "string"  
      }  
    ],  
    "DeploymentConfigName": "string",  
    "DeploymentGroupId": "string",  
    "DeploymentGroupName": "string",  
    "Ec2TagFilters": [  
      {  
        "Name": "string",  
        "Value": "string"  
      }  
    ]  
  }  
}
```



```
        "Key": "string",
        "Type": "string",
        "Value": "string"
    }
],
"OnPremisesInstanceTagFilters": [
    {
        "Key": "string",
        "Type": "string",
        "Value": "string"
    }
],
"ServiceRoleArn": "string",
"TargetRevision": {
    "GitHubLocation": {
        "CommitId": "string",
        "Repository": "string"
    },
    "RevisionType": "string",
    "S3Location": {
        "Bucket": "string",
        "BundleType": "string",
        "ETag": "string",
        "Key": "string",
        "Version": "string"
    }
}
}
```

Response Elements

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

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

DeploymentGroupInfo

Information about the deployment group.

Type: [DeploymentGroupInfo](#) (p. 95) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 114).

ApplicationDoesNotExistException

The application does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

DeploymentGroupDoesNotExistException

The named deployment group does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentGroupNameRequiredException

The deployment group name was not specified.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

InvalidDeploymentGroupNameException

The deployment group name was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'applicationName': 'WordPress_App',
  'deploymentGroupName': 'WordPress_DG'
}
```

Sample Response

```
{
  "deploymentGroupInfo": {
    "applicationName": "WordPress_App",
    "serviceRoleArn": "arn:aws:iam::80398EXAMPLE:role/CodeDeployDemoRole",

    "deploymentGroupName": "WordPress_DG",
    "deploymentConfigName": "CodeDeployDefault.OneAtATime",
    "ec2TagFilters": [
      {
        "Type": "KEY_AND_VALUE",
        "Value": "CodeDeployDemo",
        "Key": "Name"
      }
    ],
    "deploymentGroupId": "b1a2189b-dd90-4ef5-8f40-4c1c5EXAMPLE"
  }
}
```

GetDeploymentInstance

Gets information about an instance as part of a deployment.

Request Syntax

```
{  
  "DeploymentId": "string",  
  "InstanceId": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

DeploymentId

The unique ID of a deployment.

Type: String

Required: Yes

InstanceId

The unique ID of an instance in the deployment's deployment group.

Type: String

Required: Yes

Response Syntax

```
{  
  "InstanceSummary": {  
    "DeploymentId": "string",  
    "InstanceId": "string",  
    "LastUpdatedAt": number,  
    "LifecycleEvents": [  
      {  
        "Diagnostics": {  
          "ErrorCode": "string",  
          "LogTail": "string",  
          "Message": "string",  
          "ScriptName": "string"  
        },  
        "EndTime": number,  
        "LifecycleEventName": "string",  
        "StartTime": number,  
        "Status": "string"  
      }  
    ],  
  }  
}
```

```
    "Status": "string"  
  }  
}
```

Response Elements

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

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

InstanceSummary

Information about the instance.

Type: [InstanceSummary](#) (p. 104) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 114).

DeploymentDoesNotExistException

The deployment does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentIdRequiredException

At least one deployment ID must be specified.

HTTP Status Code: 400

InstanceDoesNotExistException

The specified instance does not exist in the deployment group.

HTTP Status Code: 400

InstanceIdRequiredException

The instance ID was not specified.

HTTP Status Code: 400

InvalidDeploymentIdException

At least one of the deployment IDs was specified in an invalid format.

HTTP Status Code: 400

InvalidInstanceNameException

The specified on-premises instance name was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{  
  'instanceId': 'i-902e9fEX',  
  'deploymentId': 'd-QA4G4F9EX'  
}
```

Sample Response

```
{
  "instanceSummary": {
    "instanceId": "arn:aws:ec2:us-east-1:80398EXAMPLE:instance/i-902e9fEX",

    "lifecycleEvents": [
      {
        "status": "Succeeded",
        "endTime": 1400179594.5,
        "startTime": 1400179594.09,
        "lifecycleEventName": "ApplicationStop"
      },
      {
        "status": "Succeeded",
        "endTime": 1400179670.145,
        "startTime": 1400179595.6,
        "lifecycleEventName": "DownloadBundle"
      },
      {
        "status": "Succeeded",
        "endTime": 1400179677.738,
        "startTime": 1400179671.281,
        "lifecycleEventName": "BeforeInstall"
      },
      {
        "status": "Succeeded",
        "endTime": 1400179685.126,
        "startTime": 1400179678.855,
        "lifecycleEventName": "Install"
      },
      {
        "status": "Succeeded",
        "endTime": 1400179686.621,
        "startTime": 1400179686.236,
        "lifecycleEventName": "AfterInstall"
      },
      {
        "status": "Succeeded",
        "endTime": 1400179693.627,
        "startTime": 1400179687.72,
        "lifecycleEventName": "ApplicationStart"
      },
      {
        "status": "Succeeded",
        "endTime": 1400179694.873,
        "startTime": 1400179694.735,
        "lifecycleEventName": "ValidateService"
      }
    ],
    "deploymentId": "d-QA4G4F9EX",
    "lastUpdatedAt": 1400179695.409,
    "status": "Succeeded"
  }
}
```

GetOnPremisesInstance

Gets information about an on-premises instance.

Request Syntax

```
{
  "InstanceName": "string"
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

InstanceName

The name of the on-premises instance to get information about

Type: String

Required: Yes

Response Syntax

```
{
  "InstanceInfo": {
    "DeregisterTime": number,
    "IamUserArn": "string",
    "InstanceArn": "string",
    "InstanceName": "string",
    "RegisterTime": 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.

InstanceInfo

Information about the on-premises instance.

Type: [InstanceInfo](#) (p. 103) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 114).

InstanceNameRequiredException

An on-premises instance name was not specified.

HTTP Status Code: 400

InstanceNotRegisteredException

The specified on-premises instance is not registered.

HTTP Status Code: 400

InvalidInstanceNameException

The specified on-premises instance name was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  "instanceName": "AssetTag12010298EX"
}
```

Sample Response

```
{
  "instanceInfo": {
    "iamUserArn": "arn:aws:iam::80398EXAMPLE:user/AWS/CodeDeploy/As
setTag12010298EX",
    "tags": [
      {
        "Value": "CodeDeployDemo-OnPrem",
        "Key": "Name"
      }
    ],
    "instanceName": "AssetTag12010298EX",
    "registerTime": 1425579465.228,
    "instanceArn": "arn:aws:codedeploy:us-east-1:80398EXAMPLE:instance/As
setTag12010298EX_4IwLNI2Alh"
  }
}
```

ListApplicationRevisions

Lists information about revisions for an application.

Request Syntax

```
{  
  "ApplicationName": "string",  
  "Deployed": "string",  
  "NextToken": "string",  
  "S3Bucket": "string",  
  "S3KeyPrefix": "string",  
  "SortBy": "string",  
  "SortOrder": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The name of an existing AWS CodeDeploy application associated with the applicable IAM user or AWS account.

Type: String

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

Required: Yes

Deployed

Whether to list revisions based on whether the revision is the target revision of a deployment group:

- include: List revisions that are target revisions of a deployment group.
- exclude: Do not list revisions that are target revisions of a deployment group.
- ignore: List all revisions, regardless of whether they are target revisions of a deployment group.

Type: String

Valid Values: `include` | `exclude` | `ignore`

Required: No

NextToken

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

Type: String

Required: No

S3Bucket

A specific Amazon S3 bucket name to limit the search for revisions.

If set to null, then all of the user's buckets will be searched.

Type: String

Required: No

S3KeyPrefix

A specific key prefix for the set of Amazon S3 objects to limit the search for revisions.

Type: String

Required: No

SortBy

The column name to sort the list results by:

- registerTime: Sort the list results by when the revisions were registered with AWS CodeDeploy.
- firstUsedTime: Sort the list results by when the revisions were first used by in a deployment.
- lastUsedTime: Sort the list results by when the revisions were last used in a deployment.

If not specified or set to null, the results will be returned in an arbitrary order.

Type: String

Valid Values: registerTime | firstUsedTime | lastUsedTime

Required: No

SortOrder

The order to sort the list results by:

- ascending: Sort the list of results in ascending order.
- descending: Sort the list of results in descending order.

If not specified, the results will be sorted in ascending order.

If set to null, the results will be sorted in an arbitrary order.

Type: String

Valid Values: ascending | descending

Required: No

Response Syntax

```
{
  "NextToken": "string",
  "Revisions": [
    {
      "GitHubLocation": {
        "CommitId": "string",
        "Repository": "string"
      },
      "RevisionType": "string",
      "S3Location": {
        "Bucket": "string",
        "BundleType": "string",
        "ETag": "string",
        "Key": "string",
        "Version": "string"
      }
    }
  ]
}
```

```
}  
  ]  
}
```

Response Elements

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

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

NextToken

If the amount of information that is returned is significantly large, an identifier will also be returned, which can be used in a subsequent list application revisions call to return the next set of application revisions in the list.

Type: String

Revisions

A list of revision locations that contain the matching revisions.

Type: array of [RevisionLocation](#) (p. 106) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 114).

ApplicationDoesNotExistException

The application does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

BucketNameFilterRequiredException

A bucket name is required but was not provided.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

InvalidBucketNameFilterException

The bucket name either doesn't exist or was specified in an invalid format.

HTTP Status Code: 400

InvalidDeployedStateFilterException

The deployed state filter was specified in an invalid format.

HTTP Status Code: 400

InvalidKeyPrefixFilterException

The specified key prefix filter was specified in an invalid format.

HTTP Status Code: 400

InvalidNextTokenException

The next token was specified in an invalid format.

HTTP Status Code: 400

InvalidSortByException

The column name to sort by is either not present or was specified in an invalid format.

HTTP Status Code: 400

InvalidSortOrderException

The sort order was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'applicationName': 'WordPress_App',
  'bucket': 'CodeDeployDemoBucket',
  'sortBy': 'lastUsedTime',
  'keyPrefix': 'WordPress_',
  'deployed': 'exclude',
  'sortOrder': 'descending'
}
```

Sample Response

```
{
  "revisions": [
    {
      "revisionType" : "S3",
      "s3Location" : {
        "bundleType": "zip",
        "version": "uTecLusvCB_JqHFxtfUcyfV8bEXAMPLE",
        "bucket": "CodeDeployDemoBucket",
        "key": "WordPress_App.zip"
      }
    },
    {
      "revisionType" : "S3",
      "s3Location" : {
        "bundleType": "zip",
        "version": "tMk.UxgDpMEVb7V187ZM6wVAWEXAMPLE",
        "bucket": "CodeDeployDemoBucket",
        "key": "WordPress_App_2-0.zip"
      }
    }
  ]
}
```

ListApplications

Lists the applications registered with the applicable IAM user or AWS account.

Request Syntax

```
{  
  "NextToken": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

NextToken

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

Type: String

Required: No

Response Syntax

```
{  
  "Applications": [  
    "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.

Applications

A list of application names.

Type: array of Strings

NextToken

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

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

InvalidNextTokenException

The next token was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
Empty.
```

Sample Response

```
{
  "applications": [
    "WordPress_App",
    "MyOther_App"
  ]
}
```

ListDeploymentConfigs

Lists the deployment configurations with the applicable IAM user or AWS account.

Request Syntax

```
{  
  "NextToken": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

NextToken

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

Type: String

Required: No

Response Syntax

```
{  
  "DeploymentConfigsList": [  
    "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.

DeploymentConfigsList

A list of deployment configurations, including the built-in configurations such as CodeDeployDefault.OneAtATime.

Type: array of Strings

NextToken

If the amount of information that is returned is significantly large, an identifier will also be returned, which can be used in a subsequent list deployment configurations call to return the next set of deployment configurations in the list.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

InvalidNextTokenException

The next token was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
Empty.
```

Sample Response

```
{
  "deploymentConfigsList": [
    "ThreeQuartersHealthy",
    "CodeDeployDefault.AllAtOnce",
    "CodeDeployDefault.HalfAtATime",
    "CodeDeployDefault.OneAtATime"
  ]
}
```

ListDeploymentGroups

Lists the deployment groups for an application registered with the applicable IAM user or AWS account.

Request Syntax

```
{  
  "ApplicationName": "string",  
  "NextToken": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The name of an existing AWS CodeDeploy application associated with the applicable IAM user or AWS account.

Type: String

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

Required: Yes

NextToken

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

Type: String

Required: No

Response Syntax

```
{  
  "ApplicationName": "string",  
  "DeploymentGroups": [  
    "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.

ApplicationName

The application name.

Type: String

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

DeploymentGroups

A list of corresponding deployment group names.

Type: array of Strings

NextToken

If the amount of information that is returned is significantly large, an identifier will also be returned, which can be used in a subsequent list deployment groups call to return the next set of deployment groups in the list.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

ApplicationDoesNotExistException

The application does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

InvalidNextTokenException

The next token was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'application_name': 'WordPress_App'
}
```

Sample Response

```
{
  "applicationName": "WordPress_App",
  "deploymentGroups": [
    "WordPress_DG",
    "WordPress_Beta_DG"
  ]
}
```

```
    ]  
}
```

ListDeploymentInstances

Lists the instances for a deployment associated with the applicable IAM user or AWS account.

Request Syntax

```
{
  "DeploymentId": "string",
  "InstanceStatusFilter": [
    "string"
  ],
  "NextToken": "string"
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

DeploymentId

The unique ID of a deployment.

Type: String

Required: Yes

InstanceStatusFilter

A subset of instances to list, by status:

- Pending: Include in the resulting list those instances with pending deployments.
- InProgress: Include in the resulting list those instances with in-progress deployments.
- Succeeded: Include in the resulting list those instances with succeeded deployments.
- Failed: Include in the resulting list those instances with failed deployments.
- Skipped: Include in the resulting list those instances with skipped deployments.
- Unknown: Include in the resulting list those instances with deployments in an unknown state.

Type: array of Strings

Required: No

NextToken

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

Type: String

Required: No

Response Syntax

```
{
```

```
"InstancesList": [  
  "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.

InstancesList

A list of instances IDs.

Type: array of Strings

NextToken

If the amount of information that is returned is significantly large, an identifier will also be returned, which can be used in a subsequent list deployment instances call to return the next set of deployment instances in the list.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

DeploymentDoesNotExistException

The deployment does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentIdRequiredException

At least one deployment ID must be specified.

HTTP Status Code: 400

DeploymentNotStartedException

The specified deployment has not started.

HTTP Status Code: 400

InvalidDeploymentIdException

At least one of the deployment IDs was specified in an invalid format.

HTTP Status Code: 400

InvalidInstanceStatusException

The specified instance status does not exist.

HTTP Status Code: 400

InvalidNextTokenException

The next token was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'instanceStatusFilter': [
    'Succeeded',
    'Skipped'
  ],
  'deploymentId': 'd-9DI6I4EX'
}
```

Sample Response

```
{
  "instancesList": [
    "i-8c4490EX",
    "i-7d5389EX"
  ]
}
```

ListDeployments

Lists the deployments within a deployment group for an application registered with the applicable IAM user or AWS account.

Request Syntax

```
{
  "ApplicationName": "string",
  "CreateTimeRange": {
    "End": number,
    "Start": number
  },
  "DeploymentGroupName": "string",
  "IncludeOnlyStatuses": [
    "string"
  ],
  "NextToken": "string"
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The name of an existing AWS CodeDeploy application associated with the applicable IAM user or AWS account.

Type: String

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

Required: No

CreateTimeRange

A deployment creation start- and end-time range for returning a subset of the list of deployments.

Type: [TimeRange \(p. 109\)](#) object

Required: No

DeploymentGroupName

The name of an existing deployment group for the specified application.

Type: String

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

Required: No

IncludeOnlyStatuses

A subset of deployments to list, by status:

- Created: Include in the resulting list created deployments.
- Queued: Include in the resulting list queued deployments.

- In Progress: Include in the resulting list in-progress deployments.
- Succeeded: Include in the resulting list succeeded deployments.
- Failed: Include in the resulting list failed deployments.
- Aborted: Include in the resulting list aborted deployments.

Type: array of Strings

Required: No

NextToken

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

Type: String

Required: No

Response Syntax

```
{
  "Deployments": [
    "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.

Deployments

A list of deployment IDs.

Type: array of Strings

NextToken

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

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

ApplicationDoesNotExistException

The application does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

DeploymentGroupDoesNotExistException

The named deployment group does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentGroupNameRequiredException

The deployment group name was not specified.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

InvalidDeploymentGroupNameException

The deployment group name was specified in an invalid format.

HTTP Status Code: 400

InvalidDeploymentStatusException

The specified deployment status doesn't exist or cannot be determined.

HTTP Status Code: 400

InvalidNextTokenException

The next token was specified in an invalid format.

HTTP Status Code: 400

InvalidTimeRangeException

The specified time range was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'applicationName': 'WordPress_App',
  'createTimeRange': {
    'start': '2014-08-19T00:00:00',
    'end': '2014-08-20T00:00:00'
  },
  'includeOnlyStatuses': [
    'Succeeded',
    'InProgress'
  ],
  'deploymentGroupName': 'WordPress_DG'
}
```

Sample Response

```
{
  "deployments": [
    "d-QA4G4F9EX",
    "d-1MVNYOEEX",
  ]
}
```



```
    "d-WEWRE8BEX"  
  ]  
}
```

ListOnPremisesInstances

Gets a list of one or more on-premises instance names.

Unless otherwise specified, both registered and deregistered on-premises instance names will be listed. To list only registered or deregistered on-premises instance names, use the registration status parameter.

Request Syntax

```
{
  "NextToken": "string",
  "RegistrationStatus": "string",
  "TagFilters": [
    {
      "Key": "string",
      "Type": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

NextToken

An identifier that was returned from the previous list on-premises instances call, which can be used to return the next set of on-premises instances in the list.

Type: String

Required: No

RegistrationStatus

The on-premises instances registration status:

- Deregistered: Include in the resulting list deregistered on-premises instances.
- Registered: Include in the resulting list registered on-premises instances.

Type: String

Valid Values: Registered | Deregistered

Required: No

TagFilters

The on-premises instance tags that will be used to restrict the corresponding on-premises instance names that are returned.

Type: array of [TagFilter \(p. 108\)](#) objects

Required: No

Response Syntax

```
{
  "InstanceNames": [
    "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.

InstanceNames

The list of matching on-premises instance names.

Type: array of Strings

NextToken

If the amount of information that is returned is significantly large, an identifier will also be returned, which can be used in a subsequent list on-premises instances call to return the next set of on-premises instances in the list.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

InvalidNextTokenException

The next token was specified in an invalid format.

HTTP Status Code: 400

InvalidRegistrationStatusException

The registration status was specified in an invalid format.

HTTP Status Code: 400

InvalidTagFilterException

The specified tag filter was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{  
  "registrationStatus": "Registered"  
}
```

Sample Response

```
{  
  "instanceNames": [  
    "AssetTag12010298EX",  
    "AssetTag23121309EX"  
  ]  
}
```

RegisterApplicationRevision

Registers with AWS CodeDeploy a revision for the specified application.

Request Syntax

```
{
  "ApplicationName": "string",
  "Description": "string",
  "Revision": {
    "GitHubLocation": {
      "CommitId": "string",
      "Repository": "string"
    },
    "RevisionType": "string",
    "S3Location": {
      "Bucket": "string",
      "BundleType": "string",
      "ETag": "string",
      "Key": "string",
      "Version": "string"
    }
  }
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The name of an existing AWS CodeDeploy application associated with the applicable IAM user or AWS account.

Type: String

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

Required: Yes

Description

A comment about the revision.

Type: String

Required: No

Revision

Information about the application revision to register, including the revision's type and its location.

Type: [RevisionLocation \(p. 106\)](#) 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 Errors \(p. 114\)](#).

ApplicationDoesNotExistException

The application does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

DescriptionTooLongException

The description that was provided is too long.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

InvalidRevisionException

The revision was specified in an invalid format.

HTTP Status Code: 400

RevisionRequiredException

The revision ID was not specified.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'application_name': 'WordPress_App',
  'description': 'Revised WordPress application',
  'revision': {
    'revisionType': 'S3',
    's3Location': {
      'bundleType': 'zip',
      'version': 'f0JPvV1ZjSu732H5CL.jGcyrOEXAMPLE',
      'bucket': 'CodeDeployDemoBucket',
      'key': 'WordPressApp.zip',
      'eTag': 'd71734e554abfd1302a64fc4a6bEXAMPLE'
    }
  }
}
```

Sample Response

Empty.

RegisterOnPremisesInstance

Registers an on-premises instance.

Request Syntax

```
{  
  "IamUserArn": "string",  
  "InstanceName": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

IamUserArn

The ARN of the IAM user to associate with the on-premises instance.

Type: String

Required: Yes

InstanceName

The name of the on-premises instance to register.

Type: String

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 Errors \(p. 114\)](#).

IamUserArnAlreadyRegisteredException

The specified IAM user ARN is already registered with an on-premises instance.

HTTP Status Code: 400

IamUserArnRequiredException

An IAM user ARN was not specified.

HTTP Status Code: 400

InstanceNameAlreadyRegisteredException

The specified on-premises instance name is already registered.

HTTP Status Code: 400

InstanceNameRequiredException

An on-premises instance name was not specified.

HTTP Status Code: 400

InvalidIamUserArnException

The IAM user ARN was specified in an invalid format.

HTTP Status Code: 400

InvalidInstanceNameException

The specified on-premises instance name was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  "instanceName": "AssetTag12010298EX",
  "iamUserArn": "aws:iam::80398EXAMPLE:user/CodeDeployDemoUser-OnPrem"
}
```

Sample Response

```
Empty.
```

RemoveTagsFromOnPremisesInstances

Removes one or more tags from one or more on-premises instances.

Request Syntax

```
{
  "InstanceNames": [
    "string"
  ],
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

InstanceNames

The names of the on-premises instances to remove tags from.

Type: array of Strings

Required: Yes

Tags

The tag key-value pairs to remove from the on-premises instances.

Type: array of [Tag \(p. 108\)](#) 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 Errors \(p. 114\)](#).

InstanceLimitExceededException

The maximum number of allowed on-premises instances in a single call was exceeded.

HTTP Status Code: 400

InstanceNameRequiredException

An on-premises instance name was not specified.

HTTP Status Code: 400

InstanceNotRegisteredException

The specified on-premises instance is not registered.

HTTP Status Code: 400

InvalidTagException

The specified tag was specified in an invalid format.

HTTP Status Code: 400

TagLimitExceededException

The maximum allowed number of tags was exceeded.

HTTP Status Code: 400

TagRequiredException

A tag was not specified.

HTTP Status Code: 400

Examples

Sample Request

```
{
  "instanceNames": [
    "AssetTag12010298EX",
    "AssetTag23121309EX"
  ],
  "tags": [
    "Key": "Name",
    "Value": "CodeDeployDemo-OnPrem"
  ]
}
```

Sample Response

```
Empty.
```

StopDeployment

Attempts to stop an ongoing deployment.

Request Syntax

```
{  
  "DeploymentId": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

DeploymentId

The unique ID of a deployment.

Type: String

Required: Yes

Response Syntax

```
{  
  "Status": "string",  
  "StatusMessage": "string"  
}
```

Response Elements

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

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

Status

The status of the stop deployment operation:

- Pending: The stop operation is pending.
- Succeeded: The stop operation succeeded.

Type: String

Valid Values: Pending | Succeeded

StatusMessage

An accompanying status message.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 114\)](#).

DeploymentAlreadyCompletedException

The deployment is already completed.

HTTP Status Code: 400

DeploymentDoesNotExistException

The deployment does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentIdRequiredException

At least one deployment ID must be specified.

HTTP Status Code: 400

InvalidDeploymentIdException

At least one of the deployment IDs was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'deploymentId': 'd-N65YI7GEX'
}
```

Sample Response

```
{
  'status': 'Succeeded',
  'statusMessage': 'No more commands will be scheduled for execution in the
deployment instances'
}
```

UpdateApplication

Changes an existing application's name.

Request Syntax

```
{  
  "ApplicationName": "string",  
  "NewApplicationName": "string"  
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The current name of the application that you want to change.

Type: String

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

Required: No

NewApplicationName

The new name that you want to change the application to.

Type: String

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

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 Errors \(p. 114\)](#).

ApplicationAlreadyExistsException

An application with the specified name already exists with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationDoesNotExistException

The application does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

Examples

Sample Request

```
{  
  'applicationName': 'WordPress_App',  
  'newApplicationName': 'My_WordPress_App'  
}
```

Sample Response

```
Empty.
```

UpdateDeploymentGroup

Changes information about an existing deployment group.

Request Syntax

```
{
  "ApplicationName": "string",
  "AutoScalingGroups": [
    "string"
  ],
  "CurrentDeploymentGroupName": "string",
  "DeploymentConfigName": "string",
  "Ec2TagFilters": [
    {
      "Key": "string",
      "Type": "string",
      "Value": "string"
    }
  ],
  "NewDeploymentGroupName": "string",
  "OnPremisesInstanceTagFilters": [
    {
      "Key": "string",
      "Type": "string",
      "Value": "string"
    }
  ],
  "ServiceRoleArn": "string"
}
```

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 110\)](#).

The request requires the following data in JSON format.

ApplicationName

The application name corresponding to the deployment group to update.

Type: String

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

Required: Yes

AutoScalingGroups

The replacement list of Auto Scaling groups to be included in the deployment group, if you want to change them.

Type: array of Strings

Required: No

CurrentDeploymentGroupName

The current name of the existing deployment group.

Type: String

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

Required: Yes

DeploymentConfigName

The replacement deployment configuration name to use, if you want to change it.

Type: String

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

Required: No

Ec2TagFilters

The replacement set of Amazon EC2 tags to filter on, if you want to change them.

Type: array of [EC2TagFilter \(p. 100\)](#) objects

Required: No

NewDeploymentGroupName

The new name of the deployment group, if you want to change it.

Type: String

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

Required: No

OnPremisesInstanceTagFilters

The replacement set of on-premises instance tags for filter on, if you want to change them.

Type: array of [TagFilter \(p. 108\)](#) objects

Required: No

ServiceRoleArn

A replacement service role's ARN, if you want to change it.

Type: String

Required: No

Response Syntax

```
{
  "HooksNotCleanedUp": [
    {
      "Hook": "string",
      "Name": "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.

HooksNotCleanedUp

If the output contains no data, and the corresponding deployment group contained at least one Auto Scaling group, AWS CodeDeploy successfully removed all corresponding Auto Scaling lifecycle event hooks from the AWS account. If the output does contain data, AWS CodeDeploy could not remove some Auto Scaling lifecycle event hooks from the AWS account.

Type: array of [AutoScalingGroup](#) (p. 94) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 114).

ApplicationDoesNotExistException

The application does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

ApplicationNameRequiredException

The minimum number of required application names was not specified.

HTTP Status Code: 400

DeploymentConfigDoesNotExistException

The deployment configuration does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentGroupAlreadyExistsException

A deployment group with the specified name already exists with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentGroupDoesNotExistException

The named deployment group does not exist with the applicable IAM user or AWS account.

HTTP Status Code: 400

DeploymentGroupNameRequiredException

The deployment group name was not specified.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

InvalidAutoScalingGroupException

The Auto Scaling group was specified in an invalid format or does not exist.

HTTP Status Code: 400

InvalidDeploymentConfigNameException

The deployment configuration name was specified in an invalid format.

HTTP Status Code: 400

InvalidDeploymentGroupNameException

The deployment group name was specified in an invalid format.

HTTP Status Code: 400

InvalidEC2TagException

The tag was specified in an invalid format.

HTTP Status Code: 400

InvalidRoleException

The service role ARN was specified in an invalid format. Or, if an Auto Scaling group was specified, the specified service role does not grant the appropriate permissions to Auto Scaling.

HTTP Status Code: 400

InvalidTagException

The specified tag was specified in an invalid format.

HTTP Status Code: 400

LifecycleHookLimitExceededException

The limit for lifecycle hooks was exceeded.

HTTP Status Code: 400

Examples

Sample Request

```
{
  'applicationName': 'WordPress_App',
  'autoScalingGroups': 'My_CodeDeployDemo_ASG',
  'currentDeploymentGroupName': 'WordPress_DG',
  'deploymentConfigName': 'CodeDeployDefault.AllAtOnce',
  'ec2TagFilters': [
    {
      'Type': 'KEY_AND_VALUE',
      'Value': 'My_CodeDeployDemo',
      'Key': 'Name'
    }
  ],
  'newDeploymentGroupName': 'My_WordPress_DepGroup',
  'serviceRoleArn': 'arn:aws:iam::80398EXAMPLE:role/CodeDeployDemo-2'
}
```

Sample Response

```
{
  "hooksNotCleanedUp": []
}
```

Data Types

The AWS CodeDeploy API contains several data types that various actions use. This section describes each data type in detail.

Note

The order of each element in the response is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- [ApplicationInfo](#) (p. 94)
- [AutoScalingGroup](#) (p. 94)
- [DeploymentConfigInfo](#) (p. 95)
- [DeploymentGroupInfo](#) (p. 95)
- [DeploymentInfo](#) (p. 97)
- [DeploymentOverview](#) (p. 99)
- [Diagnostics](#) (p. 99)
- [EC2TagFilter](#) (p. 100)
- [ErrorInformation](#) (p. 101)
- [GenericRevisionInfo](#) (p. 102)
- [GitHubLocation](#) (p. 102)
- [InstanceInfo](#) (p. 103)
- [InstanceSummary](#) (p. 104)
- [LifecycleEvent](#) (p. 105)
- [MinimumHealthyHosts](#) (p. 106)
- [RevisionLocation](#) (p. 106)
- [S3Location](#) (p. 107)
- [Tag](#) (p. 108)
- [TagFilter](#) (p. 108)
- [TimeRange](#) (p. 109)

ApplicationInfo

Description

Information about an application.

Contents

ApplicationId

The application ID.

Type: String

Required: No

ApplicationName

The application name.

Type: String

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

Required: No

CreateTime

The time that the application was created.

Type: DateTime

Required: No

LinkedToGitHub

True if the user has authenticated with GitHub for the specified application; otherwise, false.

Type: Boolean

Required: No

AutoScalingGroup

Description

Information about an Auto Scaling group.

Contents

Hook

An Auto Scaling lifecycle event hook name.

Type: String

Required: No

Name

The Auto Scaling group name.

Type: String

Required: No

DeploymentConfigInfo

Description

Information about a deployment configuration.

Contents

CreateTime

The time that the deployment configuration was created.

Type: DateTime

Required: No

DeploymentConfigId

The deployment configuration ID.

Type: String

Required: No

DeploymentConfigName

The deployment configuration name.

Type: String

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

Required: No

MinimumHealthyHosts

Information about the number or percentage of minimum healthy instances.

Type: MinimumHealthyHosts object

Required: No

DeploymentGroupInfo

Description

Information about a deployment group.

Contents

ApplicationName

The application name.

Type: String

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

Required: No

AutoScalingGroups

A list of associated Auto Scaling groups.

Type: array of AutoScalingGroup objects

Required: No

DeploymentConfigName

The deployment configuration name.

Type: String

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

Required: No

DeploymentGroupID

The deployment group ID.

Type: String

Required: No

DeploymentGroupName

The deployment group name.

Type: String

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

Required: No

Ec2TagFilters

The Amazon EC2 tags to filter on.

Type: array of EC2TagFilter objects

Required: No

OnPremisesInstanceTagFilters

The on-premises instance tags to filter on.

Type: array of TagFilter objects

Required: No

ServiceRoleArn

A service role ARN.

Type: String

Required: No

TargetRevision

Information about the deployment group's target revision, including the revision's type and its location.

Type: RevisionLocation object

Required: No

DeploymentInfo

Description

Information about a deployment.

Contents

ApplicationName

The application name.

Type: String

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

Required: No

CompleteTime

A timestamp indicating when the deployment was completed.

Type: DateTime

Required: No

CreateTime

A timestamp indicating when the deployment was created.

Type: DateTime

Required: No

Creator

How the deployment was created:

- user: A user created the deployment.
- autoscaling: Auto Scaling created the deployment.

Type: String

Valid Values: `user` | `autoscaling`

Required: No

DeploymentConfigName

The deployment configuration name.

Type: String

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

Required: No

DeploymentGroupName

The deployment group name.

Type: String

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

Required: No

DeploymentId

The deployment ID.

Type: String

Required: No

DeploymentOverview

A summary of the deployment status of the instances in the deployment.

Type: DeploymentOverview object

Required: No

Description

A comment about the deployment.

Type: String

Required: No

ErrorInformation

Information about any error associated with this deployment.

Type: ErrorInformation object

Required: No

IgnoreApplicationStopFailures

If true, then if the deployment causes the ApplicationStop deployment lifecycle event to fail to a specific instance, the deployment will not be considered to have failed to that instance at that point and will continue on to the BeforeInstall deployment lifecycle event.

If false or not specified, then if the deployment causes the ApplicationStop deployment lifecycle event to fail to a specific instance, the deployment will stop to that instance, and the deployment to that instance will be considered to have failed.

Type: Boolean

Required: No

Revision

Information about the location of application artifacts that are stored and the service to retrieve them from.

Type: RevisionLocation object

Required: No

StartTime

A timestamp indicating when the deployment began deploying to the deployment group.

Note that in some cases, the reported value of the start time may be later than the complete time. This is due to differences in the clock settings of various back-end servers that participate in the overall deployment process.

Type: DateTime

Required: No

Status

The current state of the deployment as a whole.

Type: String

Valid Values: `Created` | `Queued` | `InProgress` | `Succeeded` | `Failed` | `Stopped`

Required: No

DeploymentOverview

Description

Information about the deployment status of the instances in the deployment.

Contents

Failed

The number of instances that have failed in the deployment.

Type: Long

Required: No

InProgress

The number of instances that are in progress in the deployment.

Type: Long

Required: No

Pending

The number of instances that are pending in the deployment.

Type: Long

Required: No

Skipped

The number of instances that have been skipped in the deployment.

Type: Long

Required: No

Succeeded

The number of instances that have succeeded in the deployment.

Type: Long

Required: No

Diagnostics

Description

Diagnostic information about executable scripts that are part of a deployment.

Contents

ErrorCode

The associated error code:

- Success: The specified script ran.
- ScriptMissing: The specified script was not found in the specified location.
- ScriptNotExecutable: The specified script is not a recognized executable file type.

- ScriptTimedOut: The specified script did not finish running in the specified time period.
- ScriptFailed: The specified script failed to run as expected.
- UnknownError: The specified script did not run for an unknown reason.

Type: String

Valid Values: Success | ScriptMissing | ScriptNotExecutable | ScriptTimedOut | ScriptFailed | UnknownError

Required: No

LogTail

The last portion of the associated diagnostic log.

If available, AWS CodeDeploy returns up to the last 4 KB of the associated diagnostic log.

Type: String

Required: No

Message

The message associated with the error.

Type: String

Required: No

ScriptName

The name of the script.

Type: String

Required: No

EC2TagFilter

Description

Information about a tag filter.

Contents

Key

The tag filter key.

Type: String

Required: No

Type

The tag filter type:

- KEY_ONLY: Key only.
- VALUE_ONLY: Value only.
- KEY_AND_VALUE: Key and value.

Type: String

Valid Values: KEY_ONLY | VALUE_ONLY | KEY_AND_VALUE

Required: No

Value

The tag filter value.

Type: String

Required: No

ErrorInformation

Description

Information about a deployment error.

Contents

Code

The error code:

- **APPLICATION_MISSING**: The application was missing. Note that this error code will most likely be raised if the application is deleted after the deployment is created but before it starts.
- **DEPLOYMENT_GROUP_MISSING**: The deployment group was missing. Note that this error code will most likely be raised if the deployment group is deleted after the deployment is created but before it starts.
- **HEALTH_CONSTRAINTS**: The deployment failed on too many instances to be able to successfully deploy within the specified instance health constraints.
- **HEALTH_CONSTRAINTS_INVALID**: The revision can never successfully deploy within the instance health constraints as specified.
- **IAM_ROLE_MISSING**: The service role cannot be accessed.
- **IAM_ROLE_PERMISSIONS**: The service role does not have the correct permissions.
- **INTERNAL_ERROR**: There was an internal error.
- **NO_EC2_SUBSCRIPTION**: The calling account is not subscribed to the Amazon EC2 service.
- **NO_INSTANCES**: No instances were specified, or no instances can be found.
- **OVER_MAX_INSTANCES**: The maximum number of instances was exceeded.
- **THROTTLED**: The operation was throttled because the calling account exceeded the throttling limits of one or more AWS services.
- **TIMEOUT**: The deployment has timed out.
- **REVISION_MISSING**: The revision ID was missing. Note that this error code will most likely be raised if the revision is deleted after the deployment is created but before it starts.

Type: String

Valid Values: DEPLOYMENT_GROUP_MISSING | APPLICATION_MISSING | REVISION_MISSING | IAM_ROLE_MISSING | IAM_ROLE_PERMISSIONS | NO_EC2_SUBSCRIPTION | OVER_MAX_INSTANCES | NO_INSTANCES | TIMEOUT | HEALTH_CONSTRAINTS_INVALID | HEALTH_CONSTRAINTS | INTERNAL_ERROR | THROTTLED

Required: No

Message

An accompanying error message.

Type: String

Required: No

GenericRevisionInfo

Description

Information about an application revision.

Contents

DeploymentGroups

A list of deployment groups that use this revision.

Type: array of Strings

Required: No

Description

A comment about the revision.

Type: String

Required: No

FirstUsedTime

When the revision was first used by AWS CodeDeploy.

Type: DateTime

Required: No

LastUsedTime

When the revision was last used by AWS CodeDeploy.

Type: DateTime

Required: No

RegisterTime

When the revision was registered with AWS CodeDeploy.

Type: DateTime

Required: No

GitHubLocation

Description

Information about the location of application artifacts that are stored in GitHub.

Contents

CommitId

The SHA1 commit ID of the GitHub commit that references the that represents the bundled artifacts for the application revision.

Type: String

Required: No

Repository

The GitHub account and repository pair that stores a reference to the commit that represents the bundled artifacts for the application revision.

Specified as account/repository.

Type: String

Required: No

InstanceInfo

Description

Information about an on-premises instance.

Contents

DeregisterTime

If the on-premises instance was deregistered, the time that the on-premises instance was deregistered.

Type: DateTime

Required: No

IamUserArn

The IAM user ARN associated with the on-premises instance.

Type: String

Required: No

InstanceArn

The ARN of the on-premises instance.

Type: String

Required: No

InstanceName

The name of the on-premises instance.

Type: String

Required: No

RegisterTime

The time that the on-premises instance was registered.

Type: DateTime

Required: No

Tags

The tags that are currently associated with the on-premises instance.

Type: array of Tag objects

Required: No

InstanceSummary

Description

Information about an instance in a deployment.

Contents

DeploymentId

The deployment ID.

Type: String

Required: No

InstanceId

The instance ID.

Type: String

Required: No

LastUpdatedAt

A timestamp indicating when the instance information was last updated.

Type: DateTime

Required: No

LifecycleEvents

A list of lifecycle events for this instance.

Type: array of LifecycleEvent objects

Required: No

Status

The deployment status for this instance:

- Pending: The deployment is pending for this instance.
- In Progress: The deployment is in progress for this instance.
- Succeeded: The deployment has succeeded for this instance.
- Failed: The deployment has failed for this instance.
- Skipped: The deployment has been skipped for this instance.
- Unknown: The deployment status is unknown for this instance.

Type: String

Valid Values: Pending | InProgress | Succeeded | Failed | Skipped | Unknown

Required: No

LifecycleEvent

Description

Information about a deployment lifecycle event.

Contents

Diagnostics

Diagnostic information about the deployment lifecycle event.

Type: Diagnostics object

Required: No

EndTime

A timestamp indicating when the deployment lifecycle event ended.

Type: DateTime

Required: No

LifecycleEventName

The deployment lifecycle event name, such as ApplicationStop, BeforeInstall, AfterInstall, ApplicationStart, or ValidateService.

Type: String

Required: No

StartTime

A timestamp indicating when the deployment lifecycle event started.

Type: DateTime

Required: No

Status

The deployment lifecycle event status:

- Pending: The deployment lifecycle event is pending.
- InProgress: The deployment lifecycle event is in progress.
- Succeeded: The deployment lifecycle event has succeeded.
- Failed: The deployment lifecycle event has failed.
- Skipped: The deployment lifecycle event has been skipped.
- Unknown: The deployment lifecycle event is unknown.

Type: String

Valid Values: Pending | InProgress | Succeeded | Failed | Skipped | Unknown

Required: No

MinimumHealthyHosts

Description

Information about minimum healthy instances.

Contents

Type

The minimum healthy instances type:

- **HOST_COUNT**: The minimum number of healthy instances, as an absolute value.
- **FLEET_PERCENT**: The minimum number of healthy instances, as a percentage of the total number of instances in the deployment.

For example, for 9 instances, if a **HOST_COUNT** of 6 is specified, deploy to up to 3 instances at a time. The deployment succeeds if 6 or more instances are successfully deployed to; otherwise, the deployment fails. If a **FLEET_PERCENT** of 40 is specified, deploy to up to 5 instances at a time. The deployment succeeds if 4 or more instances are successfully deployed to; otherwise, the deployment fails.

Note

In a call to the get deployment configuration operation, `CodeDeployDefault.OneAtATime` will return a minimum healthy instances type of **MOST_CONCURRENCY** and a value of 1. This means a deployment to only one instances at a time. (You cannot set the type to **MOST_CONCURRENCY**, only to **HOST_COUNT** or **FLEET_PERCENT**.)

Type: String

Valid Values: `HOST_COUNT` | `FLEET_PERCENT`

Required: No

Value

The minimum healthy instances value.

Type: Number

Required: No

RevisionLocation

Description

Information about an application revision's location.

Contents

GitHubLocation

Information about the location of application artifacts that are stored in GitHub.

Type: GitHubLocation object

Required: No

RevisionType

The application revision's type:

- S3: An application revision stored in Amazon S3.
- GitHub: An application revision stored in GitHub.

Type: String

Valid Values: S3 | GitHub

Required: No

S3Location

Information about the location of application artifacts that are stored in Amazon S3.

Type: S3Location object

Required: No

S3Location

Description

Information about the location of application artifacts that are stored in Amazon S3.

Contents

Bucket

The name of the Amazon S3 bucket where the application revision is stored.

Type: String

Required: No

BundleType

The file type of the application revision. Must be one of the following:

- tar: A tar archive file.
- tgz: A compressed tar archive file.
- zip: A zip archive file.

Type: String

Valid Values: tar | tgz | zip

Required: No

ETag

The ETag of the Amazon S3 object that represents the bundled artifacts for the application revision.

If the ETag is not specified as an input parameter, ETag validation of the object will be skipped.

Type: String

Required: No

Key

The name of the Amazon S3 object that represents the bundled artifacts for the application revision.

Type: String

Required: No

Version

A specific version of the Amazon S3 object that represents the bundled artifacts for the application revision.

If the version is not specified, the system will use the most recent version by default.

Type: String

Required: No

Tag

Description

Information about a tag.

Contents

Key

The tag's key.

Type: String

Required: No

Value

The tag's value.

Type: String

Required: No

TagFilter

Description

Information about an on-premises instance tag filter.

Contents

Key

The on-premises instance tag filter key.

Type: String

Required: No

Type

The on-premises instance tag filter type:

- KEY_ONLY: Key only.
- VALUE_ONLY: Value only.
- KEY_AND_VALUE: Key and value.

Type: String

Valid Values: KEY_ONLY | VALUE_ONLY | KEY_AND_VALUE

Required: No

Value

The on-premises instance tag filter value.

Type: String

Required: No

TimeRange

Description

Information about a time range.

Contents

End

The time range's end time.

Note

Specify null to leave the time range's end time open-ended.

Type: DateTime

Required: No

Start

The time range's start time.

Note

Specify null to leave the time range's start time open-ended.

Type: DateTime

Required: No

Common Parameters

This section lists the request parameters that all actions use. Any action-specific parameters are listed in the topic for the action.

Action

The action to be performed.

Default: None

Type: string

Required: Yes

AuthParams

The parameters that are required to authenticate a Conditional request. Contains:

- `AWSAccessKeyID`
- `SignatureVersion`
- `Timestamp`
- `Signature`

Default: None

Required: Conditional

AWSAccessKeyID

The access key ID that corresponds to the secret access key that you used to sign the request.

Default: None

Type: string

Required: Yes

Expires

The date and time when the request signature expires, expressed in the format `YYYY-MM-DDThh:mm:ssZ`, as specified in the ISO 8601 standard.

Condition: Requests must include either *Timestamp* or *Expires*, but not both.

Default: None

Type: string

Required: Conditional

SecurityToken

The temporary security token that was obtained through a call to AWS Security Token Service. For a list of services that support AWS Security Token Service, go to [Using Temporary Security Credentials to Access AWS](#) in **Using Temporary Security Credentials**.

Default: None

Type: string

Required: No

Signature

The digital signature that you created for the request. For information about generating a signature, go to the service's developer documentation.

Default: None

Type: string

Required: Yes

SignatureMethod

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

Default: None

Type: string

Valid Values: HmacSHA256 | HmacSHA1

Required: Yes

SignatureVersion

The signature version you use to sign the request. Set this to the value that is recommended for your service.

Default: None

Type: string

Required: Yes

Timestamp

The date and time when the request was signed, expressed in the format YYYY-MM-DDThh:mm:ssZ, as specified in the ISO 8601 standard.

Condition: Requests must include either *Timestamp* or *Expires*, but not both.

Default: None

Type: string

Required: Conditional

Version

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

Default: None

Type: string

Required: Yes

Common Parameters for Signature V4 Signing

The following table lists the parameters that all actions use for signing Signature Version 4 requests. Any action-specific parameters are listed in the topic for that action. To view sample requests, see [Examples of Signed Signature Version 4 Requests](#) or [Signature Version 4 Test Suite](#) in the *Amazon Web Services General Reference*.

Action

The action to be performed.

Type: string

Required: Yes

Version

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

Type: string

Required: Yes

X-Amz-Algorithm

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

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

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

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

For more information, see [Task 2: Create a String to Sign for Signature Version 4](#) in the *Amazon Web Services General Reference*.

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 [Handling Dates in Signature Version 4](#) in the *Amazon Web Services General Reference*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service. For a list of services that support AWS Security Token Service, go to [Using Temporary Security Credentials to Access AWS](#) in *Using Temporary Security Credentials*.

Condition: If you're using temporary security credentials from the AWS Security Token Service, 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 [Task 1: Create a Canonical Request For Signature Version 4](#) in the *Amazon Web Services General Reference*.

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

Type: string

Required: Conditional

Common Errors

This section lists the common errors that all actions return. Any action-specific errors are listed in the topic for the action.

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

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

HTTP Status Code: 500

InvalidAction

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

HTTP Status Code: 400

InvalidClientTokenId

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

HTTP Status Code: 403

InvalidParameterCombination

Parameters that must not be used together were used together.

HTTP Status Code: 400

InvalidParameterValue

An invalid or out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

InvalidQueryStringParameter

The AWS query string is malformed or does not adhere to AWS standards.

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error.

HTTP Status Code: 404

MissingAction

The request is missing an action or a required parameter.

HTTP Status Code: 400

MissingAuthenticationToken

The request must contain either a valid (registered) AWS access key ID or X.509 certificate.

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

OptInRequired

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

HTTP Status Code: 403

RequestExpired

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

HTTP Status Code: 400

ServiceUnavailable

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

HTTP Status Code: 503

Throttling

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

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

HTTP Status Code: 400