
AWS CodeDeploy

API Reference

API Version 2014-10-06



AWS CodeDeploy: API Reference

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Table of Contents

Welcome	1
Actions	2
AddTagsToOnPremisesInstances	4
Request Syntax	4
Request Parameters	4
Response Elements	4
Errors	4
Example	5
BatchGetApplicationRevisions	6
Request Syntax	6
Request Parameters	6
Response Syntax	6
Response Elements	7
Errors	7
Example	8
BatchGetApplications	10
Request Syntax	10
Request Parameters	10
Response Syntax	10
Response Elements	10
Errors	10
Example	11
BatchGetDeploymentGroups	13
Request Syntax	13
Request Parameters	13
Response Syntax	13
Response Elements	14
Errors	15
Example	15
BatchGetDeploymentInstances	18
Request Syntax	18
Request Parameters	18
Response Syntax	18
Response Elements	19
Errors	19
Example	19
BatchGetDeployments	26
Request Syntax	26
Request Parameters	26
Response Syntax	26
Response Elements	27
Errors	27
Example	27
BatchGetOnPremisesInstances	30
Request Syntax	30
Request Parameters	30
Response Syntax	30
Response Elements	30
Errors	30
Example	31
CreateApplication	33
Request Syntax	33
Request Parameters	33
Response Syntax	33
Response Elements	33

Errors	33
Example	34
CreateDeployment	35
Request Syntax	35
Request Parameters	35
Response Syntax	36
Response Elements	36
Errors	36
Example	37
CreateDeploymentConfig	39
Request Syntax	39
Request Parameters	39
Response Syntax	39
Response Elements	39
Errors	40
Example	40
CreateDeploymentGroup	42
Request Syntax	42
Request Parameters	42
Response Syntax	44
Response Elements	44
Errors	44
Example	46
DeleteApplication	48
Request Syntax	48
Request Parameters	48
Response Elements	48
Errors	48
Example	48
DeleteDeploymentConfig	50
Request Syntax	50
Request Parameters	50
Response Elements	50
Errors	50
Example	51
DeleteDeploymentGroup	52
Request Syntax	52
Request Parameters	52
Response Syntax	52
Response Elements	52
Errors	53
Example	53
DeregisterOnPremisesInstance	55
Request Syntax	55
Request Parameters	55
Response Elements	55
Errors	55
Example	55
GetApplication	57
Request Syntax	57
Request Parameters	57
Response Syntax	57
Response Elements	57
Errors	57
Example	58
GetApplicationRevision	59
Request Syntax	59
Request Parameters	59

Response Syntax	59
Response Elements	60
Errors	60
Example	61
GetDeployment	63
Request Syntax	63
Request Parameters	63
Response Syntax	63
Response Elements	64
Errors	64
Example	64
GetDeploymentConfig	66
Request Syntax	66
Request Parameters	66
Response Syntax	66
Response Elements	66
Errors	66
Example	67
GetDeploymentGroup	68
Request Syntax	68
Request Parameters	68
Response Syntax	68
Response Elements	69
Errors	69
Example	70
GetDeploymentInstance	72
Request Syntax	72
Request Parameters	72
Response Syntax	72
Response Elements	73
Errors	73
Example	73
GetOnPremisesInstance	76
Request Syntax	76
Request Parameters	76
Response Syntax	76
Response Elements	76
Errors	76
Example	77
ListApplicationRevisions	79
Request Syntax	79
Request Parameters	79
Response Syntax	80
Response Elements	80
Errors	81
Example	81
ListApplications	83
Request Syntax	83
Request Parameters	83
Response Syntax	83
Response Elements	83
Errors	83
Example	84
ListDeploymentConfigs	85
Request Syntax	85
Request Parameters	85
Response Syntax	85
Response Elements	85

Errors	85
Example	86
ListDeploymentGroups	87
Request Syntax	87
Request Parameters	87
Response Syntax	87
Response Elements	87
Errors	88
Example	88
ListDeploymentInstances	90
Request Syntax	90
Request Parameters	90
Response Syntax	90
Response Elements	90
Errors	91
Example	91
ListDeployments	93
Request Syntax	93
Request Parameters	93
Response Syntax	94
Response Elements	94
Errors	94
Example	95
ListOnPremisesInstances	96
Request Syntax	96
Request Parameters	96
Response Syntax	96
Response Elements	97
Errors	97
Example	97
RegisterApplicationRevision	99
Request Syntax	99
Request Parameters	99
Response Elements	99
Errors	99
Example	100
RegisterOnPremisesInstance	102
Request Syntax	102
Request Parameters	102
Response Elements	102
Errors	102
Example	103
RemoveTagsFromOnPremisesInstances	104
Request Syntax	104
Request Parameters	104
Response Elements	104
Errors	104
Example	105
StopDeployment	106
Request Syntax	106
Request Parameters	106
Response Syntax	106
Response Elements	106
Errors	107
Example	107
UpdateApplication	108
Request Syntax	108
Request Parameters	108

Response Elements	108
Errors	108
Example	109
UpdateDeploymentGroup	110
Request Syntax	110
Request Parameters	110
Response Syntax	112
Response Elements	112
Errors	112
Example	114
Data Types	115
Alarm	117
Contents	117
AlarmConfiguration	118
Contents	118
ApplicationInfo	119
Contents	119
AutoRollbackConfiguration	120
Contents	120
AutoScalingGroup	121
Contents	121
DeploymentConfigInfo	122
Contents	122
DeploymentGroupInfo	123
Contents	123
DeploymentInfo	125
Contents	125
DeploymentOverview	127
Contents	127
Diagnostics	128
Contents	128
EC2TagFilter	129
Contents	129
ErrorInformation	130
Contents	130
GenericRevisionInfo	131
Contents	131
GitHubLocation	132
Contents	132
InstanceInfo	133
Contents	133
InstanceSummary	134
Contents	134
LifecycleEvent	135
Contents	135
MinimumHealthyHosts	136
Contents	136
RevisionInfo	137
Contents	137
RevisionLocation	138
Contents	138
RollbackInfo	139
Contents	139
S3Location	140
Contents	140
Tag	141
Contents	141
TagFilter	142

Contents	142
TimeRange	143
Contents	143
TriggerConfig	144
Contents	144
Common Parameters	145
Common Errors	147

Welcome

Overview

This reference guide provides descriptions of the AWS CodeDeploy APIs. For more information about AWS CodeDeploy, see the [AWS CodeDeploy User Guide](#).

Using the APIs

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

- Applications are unique identifiers used by AWS CodeDeploy to ensure 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 success and failure conditions used by AWS CodeDeploy 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 instance.
- 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 stored in Amazon S3 buckets or GitHub repositories. These revisions contain source content (such as source code, web pages, executable files, and deployment scripts) along with an application specification (AppSpec) file. (The AppSpec file is unique to AWS CodeDeploy; it defines the deployment actions you want AWS CodeDeploy to execute.) For application revisions stored in Amazon S3 buckets, an application revision is uniquely identified by its Amazon S3 object key and its ETag, version, or both. For application revisions stored in GitHub repositories, an application revision is uniquely identified by its repository name and commit ID. Application revisions are deployed through deployment groups.
You can use the AWS CodeDeploy APIs to get, list, and register application revisions.

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Actions

The following actions are supported:

- [AddTagsToOnPremisesInstances](#) (p. 4)
- [BatchGetApplicationRevisions](#) (p. 6)
- [BatchGetApplications](#) (p. 10)
- [BatchGetDeploymentGroups](#) (p. 13)
- [BatchGetDeploymentInstances](#) (p. 18)
- [BatchGetDeployments](#) (p. 26)
- [BatchGetOnPremisesInstances](#) (p. 30)
- [CreateApplication](#) (p. 33)
- [CreateDeployment](#) (p. 35)
- [CreateDeploymentConfig](#) (p. 39)
- [CreateDeploymentGroup](#) (p. 42)
- [DeleteApplication](#) (p. 48)
- [DeleteDeploymentConfig](#) (p. 50)
- [DeleteDeploymentGroup](#) (p. 52)
- [DeregisterOnPremisesInstance](#) (p. 55)
- [GetApplication](#) (p. 57)
- [GetApplicationRevision](#) (p. 59)
- [GetDeployment](#) (p. 63)
- [GetDeploymentConfig](#) (p. 66)
- [GetDeploymentGroup](#) (p. 68)
- [GetDeploymentInstance](#) (p. 72)
- [GetOnPremisesInstance](#) (p. 76)
- [ListApplicationRevisions](#) (p. 79)
- [ListApplications](#) (p. 83)
- [ListDeploymentConfigs](#) (p. 85)
- [ListDeploymentGroups](#) (p. 87)
- [ListDeploymentInstances](#) (p. 90)
- [ListDeployments](#) (p. 93)
- [ListOnPremisesInstances](#) (p. 96)
- [RegisterApplicationRevision](#) (p. 99)

- [RegisterOnPremisesInstance](#) (p. 102)
- [RemoveTagsFromOnPremisesInstances](#) (p. 104)
- [StopDeployment](#) (p. 106)
- [UpdateApplication](#) (p. 108)
- [UpdateDeploymentGroup](#) (p. 110)

AddTagsToOnPremisesInstances

Adds tags to on-premises instances.

Request Syntax

```
{
  "instanceNames": [ "string" ],
  "tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

instanceNames (p. 4)

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

Type: array of Strings

Required: Yes

tags (p. 4)

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

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

Type: array of [Tag \(p. 141\)](#) 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 \(p. 147\)](#).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 105
X-Amz-Target: CodeDeploy_20141006.AddTagsToOnPremisesInstances
X-Amz-Date: 20160707T225742Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "instanceNames": [
    "grp-b-inst-2",
    "grp-b-inst-1"
  ],
  "tags": [
    {
      "Key": "Name",
      "Value": "Cost-Center-456"
    }
  ]
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 4ccc9cf0-88c9-11e5-8ce3-2704437d0309
Content-Type: application/x-amz-json-1.1
Content-Length: 0
```

BatchGetApplicationRevisions

Gets information about one or more application revisions.

Request Syntax

```
{
  "applicationName": "string",
  "revisions": [
    {
      "gitHubLocation": {
        "commitId": "string",
        "repository": "string"
      },
      "revisionType": "string",
      "s3Location": {
        "bucket": "string",
        "bundleType": "string",
        "eTag": "string",
        "key": "string",
        "version": "string"
      }
    }
  ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

applicationName (p. 6)

The name of an AWS CodeDeploy application about which to get revision information.

Type: String

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

Required: Yes

revisions (p. 6)

Information to get about the application revisions, including type and location.

Type: array of [RevisionLocation](#) (p. 138) objects

Required: Yes

Response Syntax

```
{
  "applicationName": "string",
  "errorMessage": "string",
  "revisions": [
    {
      "genericRevisionInfo": {
        "deploymentGroups": [ "string" ],
        "description": "string",

```

```
    "firstUsedTime": number,
    "lastUsedTime": number,
    "registerTime": number
  },
  "revisionLocation": {
    "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.

applicationName (p. 6)

The name of the application that corresponds to the revisions.

Type: String

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

errorMessage (p. 6)

Information about errors that may have occurred during the API call.

Type: String

revisions (p. 6)

Additional information about the revisions, including the type and location.

Type: array of [RevisionInfo](#) (p. 137) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

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

The maximum number of names or IDs allowed for this request (100) was exceeded.

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 284
X-Amz-Target: CodeDeploy_20141006.BatchGetApplicationRevisions
X-Amz-Date: 20160707T172627Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-us-east-1",
  "revisions": [
    {
      "revisionType": "S3",
      "s3Location": {
        "bundleType": "zip",
        "version": "4eQLXx7nw0iP22hxwt2_YXrUq972qkG6",
        "bucket": "project-123",
        "key": "North-App.zip",
        "eTag": "3fdd7b9196697a096d5af1d649e26a4a"
      }
    },
    {
      "revisionType": "S3",
      "s3Location": {
        "bundleType": "zip",
        "version": "BXrUq974e0iP22hxwt2_QLXx7nw3kjB9",
        "bucket": "project-123",
        "key": "North-App-2.zip",
        "eTag": "4hfj7b911d649e26a4a45390a096d5af"
      }
    }
  ]
}
```

Sample Response

```
{
  "applicationName": "TestApp-us-east-1",
```


AWS CodeDeploy API Reference
Example

```
"errorMessage": "",
"revisions": [
  {
    "genericRevisionInfo": {
      "deploymentGroups": [
        "dep-group-def-456"
      ],
      "description": "Application revision registered by Deployment
ID: d-D1EGTDV3C",
      "firstUsedTime": 1446232255.734,
      "lastUsedTime": 1446232255.734,
      "registerTime": 1446232255.734
    },
    "revisionType": "S3",
    "s3Location": {
      "bucket": "project-1234",
      "bundleType": "zip",
      "eTag": "3fdd7b9196697a096d5af1d649e26a4a",
      "key": "North-App.zip",
      "version": "4eQLXx7nw0iP22hxwt2_YXrUq972qkG6"
    }
  },
  {
    "genericRevisionInfo": {
      "deploymentGroups": [
        "dep-group-def-456"
      ],
      "description": "Application revision registered by Deployment
ID: d-F8ROHSIK3K",
      "firstUsedTime": 1455988916.108,
      "lastUsedTime": 1455988916.288,
      "registerTime": 1455988912.217
    },
    "revisionType": "S3",
    "s3Location": {
      "bucket": "project-1234",
      "bundleType": "zip",
      "eTag": "4hfj7b911d649e26a4a45390a096d5af",
      "key": "North-App-2.zip",
      "version": "BXRUq974e0iP22hxwt2_QLXx7nw3kjB9"
    }
  }
]
}
```

BatchGetApplications

Gets information about one or more applications.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

applicationNames (p. 10)

A list of application names separated by spaces.

Type: array of Strings

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

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 (p. 10)

Information about the applications.

Type: array of [ApplicationInfo \(p. 119\)](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 147\)](#).

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

The maximum number of names or IDs allowed for this request (100) was exceeded.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 81
X-Amz-Target: CodeDeploy_20141006.BatchGetApplications
X-Amz-Date: 20160707T230945Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "applicationNames": [
    "ProductionApp-us-east-1",
    "ProductionApp-us-west-2"
  ]
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 4ccc9cf0-88c9-11e5-8ce3-2704437d0309
Content-Type: application/x-amz-json-1.1
Content-Length: 335

{
  "applicationsInfo": [
    {
      "applicationId": "d8347436-bc51-459e-9c44-f98abEXAMPLE",
      "applicationName": "ProductionApp-us-west-2",
      "createTime": 1446136767.311,
      "linkedToGitHub": false
    },
    {
      "applicationId": "1ecfe802-63f1-4038-8f0d-06688EXAMPLE",
      "applicationName": "ProductionApp-us-east-1",
      "createTime": 1439488406.152,
    }
  ]
}
```

```
    "linkedToGitHub": false  
  }  
]  
}
```

BatchGetDeploymentGroups

Get information about one or more deployment groups.

Request Syntax

```
{  
  "applicationName": "string",  
  "deploymentGroupNames": [ "string" ]  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

applicationName (p. 13)

The name of an 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

deploymentGroupNames (p. 13)

The deployment groups' names.

Type: array of Strings

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

Required: Yes

Response Syntax

```
{  
  "deploymentGroupsInfo": [  
    {  
      "alarmConfiguration": {  
        "alarms": [  
          {  
            "name": "string"  
          }  
        ],  
        "enabled": boolean,  
        "ignorePollAlarmFailure": boolean  
      },  
      "applicationName": "string",  
      "autoRollbackConfiguration": {  
        "enabled": boolean,  
        "events": [ "string" ]  
      },  
      "autoScalingGroups": [  
        {  
          "hook": "string",
```

```

        "name": "string"
    }
],
"deploymentConfigName": "string",
"deploymentGroupId": "string",
"deploymentGroupName": "string",
"ec2TagFilters": [
    {
        "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"
    }
},
"triggerConfigurations": [
    {
        "triggerEvents": [ "string" ],
        "triggerName": "string",
        "triggerTargetArn": "string"
    }
]
}
],
"errorMessage": "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.

deploymentGroupsInfo (p. 13)

Information about the deployment groups.

Type: array of [DeploymentGroupInfo \(p. 123\)](#) objects

errorMessage (p. 13)

Information about errors that may have occurred during the API call.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 147\)](#).

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

The maximum number of names or IDs allowed for this request (100) 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

InvalidDeploymentGroupNameException

The deployment group name was specified in an invalid format.

HTTP Status Code: 400

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 90
X-Amz-Target: CodeDeploy_20141006.BatchGetDeploymentGroups
X-Amz-Date: 20160317T175340Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160317/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-us-east-1",
  "deploymentGroupNames": [
    "dep-group-def-456",
    "dep-group-jkl-234"
  ]
}
```

Sample Response

```
{
  "deploymentGroupsInfo": [
```

AWS CodeDeploy API Reference
Example

```
{
  "applicationName": "TestApp-us-east-1",
  "deploymentConfigName": "CodeDeployDefault.OneAtATime",
  "deploymentGroupId": "d-DBF57CS3H",
  "deploymentGroupName": "dep-group-def-456",
  "ec2TagFilters": [
    {
      "Key": "Name",
      "Type": "KEY_AND_VALUE",
      "Value": "Project-ABC"
    }
  ],
  "serviceRoleArn": "arn:aws:iam::444455556666:role/AnyCompany-
service-role",
  "targetRevision": {
    "revisionType": "S3",
    "s3Location": {
      "bucket": "project-abc",
      "bundleType": "zip",
      "eTag": "ffe5402cff48b652bf903700453f7408",
      "key": "North-App-3.zip",
      "version": "4eQLXx7nw0iP22hxwt2_YXrUq972qkG6"
    }
  },
  "triggerConfigurations": [
    {
      "triggerEvents": [
        "DeploymentFailure"
      ],
      "triggerName": "Trigger-group-us-east-1-deploy-fail",
      "triggerTargetArn": "arn:aws:sns:us-
east-1:80398EXAMPLE:us-east-deploy-fail"
    }
  ]
},
{
  "applicationName": "TestApp-us-east-1",
  "deploymentConfigName": "CodeDeployDefault.OneAtATime",
  "deploymentGroupId": "d-DCS73HBF5",
  "deploymentGroupName": "dep-group-def-456",
  "ec2TagFilters": [
    {
      "Key": "Name",
      "Type": "KEY_AND_VALUE",
      "Value": "Project-DEF"
    }
  ],
  "serviceRoleArn": "arn:aws:iam::444455556666:role/AnyCompany-
service-role",
  "targetRevision": {
    "revisionType": "S3",
    "s3Location": {
      "bucket": "project-def",
      "bundleType": "zip",
      "eTag": "3fdd7b9196697a096d5af1d649e26a4a",
      "key": "North-App-3.zip",
      "version": "BXrUq974e0iP22hxwt2_QLXx7nw3kjB9"
    }
  }
},
}
```


AWS CodeDeploy API Reference
Example

```
    "triggerConfigurations": [
      {
        "triggerEvents": [
          "DeploymentSuccess"
        ],
        "triggerName": "Trigger-group-us-east-1-deploy-succeed",
        "triggerTargetArn": "arn:aws:sns:us-
east-1:80398EXAMPLE:us-east-deploy-succeed"
      }
    ]
  },
  "errorMessage": ""
}
```

BatchGetDeploymentInstances

Gets information about one or more instance that are part of a deployment group.

Request Syntax

```
{
  "deploymentId": "string",
  "instanceIds": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

deploymentId (p. 18)

The unique ID of a deployment.

Type: String

Required: Yes

instanceIds (p. 18)

The unique IDs of instances in the deployment group.

Type: array of Strings

Required: Yes

Response Syntax

```
{
  "errorMessage": "string",
  "instancesSummary": [
    {
      "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.

errorMessage (p. 18)

Information about errors that may have occurred during the API call.

Type: String

instancesSummary (p. 18)

Information about the instance.

Type: array of [InstanceSummary](#) (p. 134) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

BatchLimitExceededException

The maximum number of names or IDs allowed for this request (100) was exceeded.

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

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 90
X-Amz-Target: CodeDeploy_20141006.BatchGetDeploymentInstances
X-Amz-Date: 20160707T175340Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE
```

```
{
  "deploymentId": "d-DXT57CS2G",
  "instanceIds": [
    "i-2b4a36ad00EXAMPLE",
    "i-384a57d300EXAMPLE",
    "i-623g53b300EXAMPLE"
  ]
}
```

Sample Response

```
{
  "errorMessage": "",
  "instancesSummary": [
    {
      "deploymentId": "d-DXT57CS2G",
      "instanceId": "arn:aws:ec2:us-east-1:803981987763:instance/i-623g53b300EXAMPLE",
      "lastUpdatedAt": 1455988938.931,
      "lifecycleEvents": [
        {
          "diagnostics": {
            "errorCode": "Success",
            "logTail": "",
            "message": "Succeeded",
            "scriptName": ""
          },
          "endTime": 1455988923.454,
          "lifecycleEventName": "ApplicationStop",
          "startTime": 1455988923.284,
          "status": "Succeeded"
        },
        {
          "diagnostics": {
            "errorCode": "Success",
            "logTail": "",
            "message": "Succeeded",
            "scriptName": ""
          },
          "endTime": 1455988925.903,
          "lifecycleEventName": "DownloadBundle",
          "startTime": 1455988925.574,
          "status": "Succeeded"
        },
        {
          "diagnostics": {
            "errorCode": "Success",
            "logTail": "",
            "message": "Succeeded",
            "scriptName": ""
          },
          "endTime": 1455988927.731,
          "lifecycleEventName": "BeforeInstall",
          "startTime": 1455988927.011,
          "status": "Succeeded"
        }
      ]
    }
  ]
}
```

AWS CodeDeploy API Reference
Example

```
    "diagnostics": {
      "errorCode": "Success",
      "logTail": "",
      "message": "Succeeded",
      "scriptName": ""
    },
    "endTime": 1455988931.435,
    "lifecycleEventName": "Install",
    "startTime": 1455988931.272,
    "status": "Succeeded"
  },
  {
    "diagnostics": {
      "errorCode": "Success",
      "logTail": "",
      "message": "Succeeded",
      "scriptName": ""
    },
    "endTime": 1455988933.129,
    "lifecycleEventName": "AfterInstall",
    "startTime": 1455988932.951,
    "status": "Succeeded"
  },
  {
    "diagnostics": {
      "errorCode": "Success",
      "logTail": "",
      "message": "Succeeded",
      "scriptName": ""
    },
    "endTime": 1455988935.599,
    "lifecycleEventName": "ApplicationStart",
    "startTime": 1455988935.459,
    "status": "Succeeded"
  },
  {
    "diagnostics": {
      "errorCode": "Success",
      "logTail": "",
      "message": "Succeeded",
      "scriptName": ""
    },
    "endTime": 1455988937.286,
    "lifecycleEventName": "ValidateService",
    "startTime": 1455988937.166,
    "status": "Succeeded"
  }
],
"status": "Succeeded"
},
{
  "deploymentId": "d-DXT57CS2G",
  "instanceId": "arn:aws:ec2:us-east-1:803981987763:instance/i-384a57d300EXAMPLE",
  "lastUpdatedAt": 1455988921.266,
  "lifecycleEvents": [
    {
      "diagnostics": {
        "errorCode": "Success",
```

AWS CodeDeploy API Reference
Example

```
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
    },
    "endTime": 1455988908.166,
    "lifecycleEventName": "ApplicationStop",
    "startTime": 1455988908.002,
    "status": "Succeeded"
},
{
    "diagnostics": {
        "errorCode": "Success",
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
    },
    "endTime": 1455988910.007,
    "lifecycleEventName": "DownloadBundle",
    "startTime": 1455988909.817,
    "status": "Succeeded"
},
{
    "diagnostics": {
        "errorCode": "Success",
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
    },
    "endTime": 1455988912.501,
    "lifecycleEventName": "BeforeInstall",
    "startTime": 1455988911.823,
    "status": "Succeeded"
},
{
    "diagnostics": {
        "errorCode": "Success",
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
    },
    "endTime": 1455988914.18,
    "lifecycleEventName": "Install",
    "startTime": 1455988914.068,
    "status": "Succeeded"
},
{
    "diagnostics": {
        "errorCode": "Success",
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
    },
    "endTime": 1455988916.288,
    "lifecycleEventName": "AfterInstall",
    "startTime": 1455988916.108,
    "status": "Succeeded"
},
{
    "diagnostics": {
```

AWS CodeDeploy API Reference
Example

```
        "errorCode": "Success",
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
    },
    "endTime": 1455988917.63,
    "lifecycleEventName": "ApplicationStart",
    "startTime": 1455988917.513,
    "status": "Succeeded"
},
{
    "diagnostics": {
        "errorCode": "Success",
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
    },
    "endTime": 1455988919.616,
    "lifecycleEventName": "ValidateService",
    "startTime": 1455988919.489,
    "status": "Succeeded"
}
],
"status": "Succeeded"
},
{
    "deploymentId": "d-DXT57CS2G",
    "instanceId": "arn:aws:ec2:us-east-1:803981987763:instance/i-2b4a36ad00EXAMPLE",
    "lastUpdatedAt": 1455988905.795,
    "lifecycleEvents": [
        {
            "diagnostics": {
                "errorCode": "Success",
                "logTail": "",
                "message": "Succeeded",
                "scriptName": ""
            },
            "endTime": 1455988835.41,
            "lifecycleEventName": "ApplicationStop",
            "startTime": 1455988835.243,
            "status": "Succeeded"
        },
        {
            "diagnostics": {
                "errorCode": "Success",
                "logTail": "",
                "message": "Succeeded",
                "scriptName": ""
            },
            "endTime": 1455988843.137,
            "lifecycleEventName": "DownloadBundle",
            "startTime": 1455988842.349,
            "status": "Succeeded"
        },
        {
            "diagnostics": {
                "errorCode": "Success",
                "logTail": "",
```

AWS CodeDeploy API Reference
Example

```
        "message": "Succeeded",
        "scriptName": ""
    },
    "endTime": 1455988845.424,
    "lifecycleEventName": "BeforeInstall",
    "startTime": 1455988844.707,
    "status": "Succeeded"
},
{
    "diagnostics": {
        "errorCode": "Success",
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
    },
    "endTime": 1455988853.216,
    "lifecycleEventName": "Install",
    "startTime": 1455988853.096,
    "status": "Succeeded"
},
{
    "diagnostics": {
        "errorCode": "Success",
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
    },
    "endTime": 1455988858.017,
    "lifecycleEventName": "AfterInstall",
    "startTime": 1455988857.916,
    "status": "Succeeded"
},
{
    "diagnostics": {
        "errorCode": "Success",
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
    },
    "endTime": 1455988902.714,
    "lifecycleEventName": "ApplicationStart",
    "startTime": 1455988902.56,
    "status": "Succeeded"
},
{
    "diagnostics": {
        "errorCode": "Success",
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
    },
    "endTime": 1455988904.577,
    "lifecycleEventName": "ValidateService",
    "startTime": 1455988904.38,
    "status": "Succeeded"
}
],
"status": "Succeeded"
}
```



```
} ]
```

BatchGetDeployments

Gets information about one or more deployments.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

deploymentIds (p. 26)

A list of deployment IDs, separated by spaces.

Type: array of Strings

Required: No

Response Syntax

```
{  
  "deploymentsInfo": [  
    {  
      "applicationName": "string",  
      "autoRollbackConfiguration": {  
        "enabled": boolean,  
        "events": [ "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"  
    }  
  },  
  "rollbackInfo": {  
    "rollbackDeploymentId": "string",  
    "rollbackMessage": "string",  
    "rollbackTriggeringDeploymentId": "string"  
  },  
  "startTime": number,  
  "status": "string",  
  "updateOutdatedInstancesOnly": 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.

deploymentsInfo (p. 26)

Information about the deployments.

Type: array of [DeploymentInfo](#) (p. 125) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

BatchLimitExceededException

The maximum number of names or IDs allowed for this request (100) was exceeded.

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

Example

Sample Request

```
POST / HTTP/1.1  
Host: codedeploy.us-east-1.amazonaws.com  
Accept-Encoding: identity  
Content-Length: 49
```

```
X-Amz-Target: CodeDeploy_20141006.BatchGetDeployments
X-Amz-Date: 20160707T232439Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
  SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
  Signature=39c3b3042cd2aEXAMPLE

{
  "deploymentIds": [
    "d-5SJAOL04C",
    "d-75H25AT3C"
  ]
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 620484b7-88cb-11e5-b497-75c49EXAMPLE
Content-Type: application/x-amz-json-1.1
Content-Length: 1236

{
  "deploymentsInfo": [{
    "applicationName": "TestApp-us-east-1",
    "completeTime": 1.446232681319E9,
    "createTime": 1.446232639487E9,
    "creator": "user",
    "deploymentConfigName": "CodeDeployDefault.OneAtATime",
    "deploymentGroupName": "dep-group-def-456",
    "deploymentId": "d-74D25AS7C",
    "deploymentOverview": {
      "Failed": 0,
      "InProgress": 0,
      "Pending": 0,
      "Skipped": 0,
      "Succeeded": 1
    },
    "description": "Deployment for Project 5678",
    "ignoreApplicationStopFailures": false,
    "revision": {
      "revisionType": "S3",
      "s3Location": {
        "bucket": "project-1234",
        "bundleType": "zip",
        "eTag": "3fdd7b9196697a096d5af1d649e26a4a",
        "key": "North-App.zip"
      }
    },
    "startTime": 1.446246024315E9,
    "status": "Succeeded"
  }],
  {
    "applicationName": "ProductionApp-eu-central-1",
    "completeTime": 1.446246198207E9,
    "createTime": 1.446246024315E9,
    "creator": "user",
```

AWS CodeDeploy API Reference
Example

```
"deploymentConfigName": "CodeDeployDefault.OneAtATime",
"deploymentGroupName": "dep-group-jkl-234",
"deploymentId": "d-5SJAOL04C",
"deploymentOverview": {
  "Failed": 0,
  "InProgress": 0,
  "Pending": 0,
  "Skipped": 0,
  "Succeeded": 3
},
"ignoreApplicationStopFailures": false,
"revision": {
  "revisionType": "S3",
  "s3Location": {
    "bucket": "project-5678",
    "bundleType": "zip",
    "eTag": "9007397ea759a2f535bc9b6ef5414f04-1",
    "key": "Pipeline-123/AppBuild-1/CeGy55t"
  }
},
"startTime": 1.446246024315E9,
"status": "Succeeded"
}]
}
```

BatchGetOnPremisesInstances

Gets information about one or more on-premises instances.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

instanceNames (p. 30)

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

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 (p. 30)

Information about the on-premises instances.

Type: array of [InstanceInfo](#) (p. 133) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

BatchLimitExceededException

The maximum number of names or IDs allowed for this request (100) was exceeded.

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 63
X-Amz-Target: CodeDeploy_20141006.BatchGetOnPremisesInstances
X-Amz-Date: 20160707T232825Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-
east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "instanceNames": [
    "grp-a-inst-1",
    "grp-a-inst-3"
  ]
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: e895fb62-88cb-11e5-a908-6dc86959d072
Content-Type: application/x-amz-json-1.1
Content-Length: 303

{
  "instanceInfos": [
    {
      "iamUserArn": "arn:aws:iam::444455556666:user/janedoe",
      "instanceArn": "arn:aws:codedeploy:us-
east-1:444455556666:instance/grp-a-inst-1_rDH556dxUG",
      "instanceName": "grp-a-inst-1",
      "registerTime": 1428086184.401,
      "tags": [
        {
          "Key": "Name",
```

```
    "Value": "Project-DEF"
  }
]
}
```


CreateApplication

Creates an application.

Request Syntax

```
{  
  "applicationName": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

applicationName (p. 33)

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 (p. 33)

A unique application ID.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

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 are 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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 37
X-Amz-Target: CodeDeploy_20141006.CreateApplication
X-Amz-Date: 20160707T233029Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-
east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-ap-southeast-2"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 32431157-88cc-11e5-a908-6dc86959d022
Content-Type: application/x-amz-json-1.1
Content-Length: 56

{
  "applicationId": "767c40ba-2c8d-4ec1-8649-3gd18EXAMPLE"
}
```

CreateDeployment

Deploys an application revision through the specified deployment group.

Request Syntax

```
{
  "applicationName": "string",
  "autoRollbackConfiguration": {
    "enabled": boolean,
    "events": [ "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"
    }
  },
  "updateOutdatedInstancesOnly": boolean
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

applicationName (p. 35)

The name of an 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

autoRollbackConfiguration (p. 35)

Configuration information for an automatic rollback that is added when a deployment is created.

Type: [AutoRollbackConfiguration](#) (p. 120) object

Required: No

deploymentConfigName (p. 35)

The name of a 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 (p. 35)

The name of the deployment group.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Required: No

description (p. 35)

A comment about the deployment.
Type: String
Required: No

ignoreApplicationStopFailures (p. 35)

If set to true, then if the deployment causes the ApplicationStop deployment lifecycle event to an instance to fail, the deployment to that instance will not be considered to have failed 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 an instance, the deployment to that instance will stop, and the deployment to that instance will be considered to have failed.
Type: Boolean
Required: No

revision (p. 35)

The type and location of the revision to deploy.
Type: [RevisionLocation \(p. 138\)](#) object
Required: No

updateOutdatedInstancesOnly (p. 35)

Indicates whether to deploy to all instances or only to instances that are not running the latest application revision.
Type: Boolean
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 (p. 36)

A unique deployment ID.
Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 147\)](#).

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 is too long.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

InvalidAutoRollbackConfigException

The automatic rollback configuration was specified in an invalid format. For example, automatic rollback is enabled but an invalid triggering event type or no event types were listed.

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

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

Example

Sample Request

```
POST / HTTP/1.1
```

```
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 305
X-Amz-Target: CodeDeploy_20141006.CreateDeployment
X-Amz-Date: 20160707T235543Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-
east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-ap-southeast-2",
  "deploymentGroupName": "dep-group-ghi-789",
  "description": "Deployment for Project 1234",
  "deploymentConfigName": "CodeDeployDefault.OneAtATime",
  "revision": {
    "revisionType": "S3",
    "s3Location": {
      "bundleType": "zip",
      "bucket": "project-1234",
      "key": "East-App.zip"
    }
  }
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: b8d39558-88cf-11f5-96e5-8bf4ee0ce84e
Content-Type: application/x-amz-json-1.1
Content-Length: 30

{
  "deploymentId": "d-IIMHK0NHC"
}
```

CreateDeploymentConfig

Creates a deployment configuration.

Request Syntax

```
{
  "deploymentConfigName": "string",
  "minimumHealthyHosts": {
    "type": "string",
    "value": number
  }
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

deploymentConfigName (p. 39)

The name of the deployment configuration to create.

Type: String

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

Required: Yes

minimumHealthyHosts (p. 39)

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**, at the start of the deployment, AWS CodeDeploy converts the percentage to the equivalent number of instance and rounds up fractional instances.

The value parameter takes an integer.

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

Type: [MinimumHealthyHosts](#) (p. 136) 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 (p. 39)

A unique deployment configuration ID.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

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 instance value was specified in an invalid format.

HTTP Status Code: 400

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 103
X-Amz-Target: CodeDeploy_20141006.CreateDeploymentConfig
X-Amz-Date: 20160707T235925Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "minimumHealthyHosts": {
    "type": "HOST_COUNT",
    "value": 1
  },
  "deploymentConfigName": "CustomConfig.One"
}
```


Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 3ea3b855-88d0-11e5-9958-cd5094947bf1
Content-Type: application/x-amz-json-1.1
Content-Length: 61

{
  "deploymentConfigId": "e0839cbd-af8a-4a6c-921g-9ad0245d3459"
}
```

CreateDeploymentGroup

Creates a deployment group to which application revisions will be deployed.

Request Syntax

```
{
  "alarmConfiguration": {
    "alarms": [
      {
        "name": "string"
      }
    ],
    "enabled": boolean,
    "ignorePollAlarmFailure": boolean
  },
  "applicationName": "string",
  "autoRollbackConfiguration": {
    "enabled": boolean,
    "events": [ "string" ]
  },
  "autoScalingGroups": [ "string" ],
  "deploymentConfigName": "string",
  "deploymentGroupName": "string",
  "ec2TagFilters": [
    {
      "Key": "string",
      "Type": "string",
      "Value": "string"
    }
  ],
  "onPremisesInstanceTagFilters": [
    {
      "Key": "string",
      "Type": "string",
      "Value": "string"
    }
  ],
  "serviceRoleArn": "string",
  "triggerConfigurations": [
    {
      "triggerEvents": [ "string" ],
      "triggerName": "string",
      "triggerTargetArn": "string"
    }
  ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

alarmConfiguration (p. 42)

Information to add about Amazon CloudWatch alarms when the deployment group is created.

Type: [AlarmConfiguration](#) (p. 118) object

Required: No

applicationName (p. 42)

The name of an 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

autoRollbackConfiguration (p. 42)

Configuration information for an automatic rollback that is added when a deployment group is created.

Type: [AutoRollbackConfiguration](#) (p. 120) object

Required: No

autoScalingGroups (p. 42)

A list of associated Auto Scaling groups.

Type: array of Strings

Required: No

deploymentConfigName (p. 42)

If specified, the deployment configuration name can be either one of the predefined configurations provided with AWS CodeDeploy or a custom deployment configuration that you create by calling the create deployment configuration operation.

Note

`CodeDeployDefault.OneAtATime` is the default deployment configuration. It is used if a configuration isn't specified for the deployment or the deployment group.

The predefined deployment configurations include the following:

- **CodeDeployDefault.AllAtOnce** attempts to deploy an application revision to as many instances as possible at once. The status of the overall deployment will be displayed as **Succeeded** if the application revision is deployed to one or more of the instances. The status of the overall deployment will be displayed as **Failed** if the application revision is not deployed to any of the instances. Using an example of nine instances, `CodeDeployDefault.AllAtOnce` will attempt to deploy to all nine instances at once. The overall deployment will succeed if deployment to even a single instance is successful; it will fail only if deployments to all nine instances fail.
- **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 is deployed to at least half of the instances (with fractions rounded up); otherwise, the deployment fails. In the example of nine instances, it will deploy to up to four instances at a time. The overall deployment succeeds if deployment to five or more instances succeed; otherwise, the deployment fails. The deployment may be successfully deployed to some instances even if the overall deployment fails.
- **CodeDeployDefault.OneAtATime** deploys the application revision to only one instance at a time.

For deployment groups that contain more than one instance:

- The overall deployment succeeds if the application revision is deployed to all of the instances. The exception to this rule is if deployment to the last instance fails, the overall deployment still succeeds. This is because AWS CodeDeploy allows only one instance at a time to be taken offline with the `CodeDeployDefault.OneAtATime` configuration.
- The overall deployment fails as soon as the application revision fails to be deployed to any but the last instance. The deployment may be successfully deployed to some instances even if the overall deployment fails.
- In an example using nine instances, it will deploy to one instance at a time. The overall deployment succeeds if deployment to the first eight instances is successful; the overall deployment fails if deployment to any of the first eight instances fails.

For deployment groups that contain only one instance, the overall deployment is successful only if deployment to the single instance is successful

Type: String

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

Required: No

deploymentGroupName (p. 42)

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 (p. 42)

The Amazon EC2 tags on which to filter.

Type: array of [EC2TagFilter](#) (p. 129) objects

Required: No

onPremisesInstanceTagFilters (p. 42)

The on-premises instance tags on which to filter.

Type: array of [TagFilter](#) (p. 142) objects

Required: No

serviceRoleArn (p. 42)

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

Type: String

Required: Yes

triggerConfigurations (p. 42)

Information about triggers to create when the deployment group is created. For examples, see [Create a Trigger for an AWS CodeDeploy Event](#) in the AWS CodeDeploy User Guide.

Type: array of [TriggerConfig](#) (p. 144) objects

Required: No

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 (p. 44)

A unique deployment group ID.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

AlarmsLimitExceededException

The maximum number of alarms for a deployment group (10) was exceeded.

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

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

InvalidAlarmConfigException

The format of the alarm configuration is invalid. Possible causes include:

- The alarm list is null.
- The alarm object is null.
- The alarm name is empty or null or exceeds the 255 character limit.
- Two alarms with the same name have been specified.
- The alarm configuration is enabled but the alarm list is empty.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

InvalidAutoRollbackConfigException

The automatic rollback configuration was specified in an invalid format. For example, automatic rollback is enabled but an invalid triggering event type or no event types were listed.

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

InvalidTriggerConfigException

The trigger 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

TriggerTargetsLimitExceededException

The maximum allowed number of triggers was exceeded.

HTTP Status Code: 400

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 294
X-Amz-Target: CodeDeploy_20141006.CreateDeploymentGroup
X-Amz-Date: 20160707T000818Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-us-east-1",
  "serviceRoleArn": "arn:aws:iam::444455556666:role/AnyCompany-service-role",
  "ec2TagFilters": [
    {
      "Type": "KEY_AND_VALUE",
      "Key": "Name",
      "Value": "Project-ABC"
    }
  ],
  "deploymentGroupName": "dep-group-ghi-789-2",
  "deploymentConfigName": "CodeDeployDefault.OneAtATime",
  "triggerConfigurations": [
    {
      "triggerEvents": [
        "DeploymentFailure"
      ],
      "triggerName": "Trigger-group-us-east-1-deploy-fail",
    }
  ]
}
```

```
        "triggerTargetArn": "arn:aws:sns:us-east-1:80398EXAMPLE:us-east-  
deploy-fail"  
      }  
    ]  
  }  
}
```

Sample Response

```
HTTP/1.1 200 OK  
x-amzn-RequestId: 7aed4309-88d1-11e5-b0f5-a331fa97e4b5  
Content-Type: application/x-amz-json-1.1  
Content-Length: 60  
  
{  
  "deploymentGroupId": "e9be2617-8b71-46a1-944a-3c45c9138ee7"  
}
```

DeleteApplication

Deletes an application.

Request Syntax

```
{  
  "applicationName": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

applicationName (p. 48)

The name of an 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 \(p. 147\)](#).

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

Example

Sample Request

```
POST / HTTP/1.1  
Host: codedeploy.us-east-1.amazonaws.com  
Accept-Encoding: identity  
Content-Length: 37  
X-Amz-Target: CodeDeploy_20141006.DeleteApplication  
X-Amz-Date: 20160707T012940Z  
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28  
Content-Type: application/x-amz-json-1.1
```


AWS CodeDeploy API Reference Example

```
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE
```

```
{
  "applicationName": "TestApp-ap-southeast-2"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 4ccc9cf0-88c9-11e5-8ce3-2704437d0309
Content-Type: application/x-amz-json-1.1
Content-Length: 0
```

DeleteDeploymentConfig

Deletes a deployment configuration.

Note

A deployment configuration cannot be deleted if it is currently in use. Predefined configurations cannot be deleted.

Request Syntax

```
{  
  "deploymentConfigName": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

deploymentConfigName (p. 50)

The name of a 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 \(p. 147\)](#).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 41
X-Amz-Target: CodeDeploy_20141006.DeleteDeploymentConfig
X-Amz-Date: 20160707T013153Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 boto/2.8.0
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
  SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
  Signature=39c3b3042cd2aEXAMPLE

{
  "deploymentConfigName": "dep-group-ghi-789"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 4ccc9cf0-88c9-11e5-8ce3-2704437d0309
Content-Type: application/x-amz-json-1.1
Content-Length: 0
```

DeleteDeploymentGroup

Deletes a deployment group.

Request Syntax

```
{
  "applicationName": "string",
  "deploymentGroupName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

applicationName (p. 52)

The name of an 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 (p. 52)

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 (p. 52)

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 group. If the output contains 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. 121) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 71
X-Amz-Target: CodeDeploy_20141006.DeleteDeploymentGroup
X-Amz-Date: 20160707T013700Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-
east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-eu-west-1",
  "deploymentGroupName": "dep-group-abc-123"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: dec21774-88dd-11e5-96e5-8bf4ee0ce84e
Content-Type: application/x-amz-json-1.1
Content-Length: 24
```

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

DeregisterOnPremisesInstance

Deregisters an on-premises instance.

Request Syntax

```
{  
  "instanceName": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

instanceName (p. 55)

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 \(p. 147\)](#).

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

Example

Sample Request

```
POST / HTTP/1.1  
Host: codedeploy.us-east-1.amazonaws.com  
Accept-Encoding: identity  
Content-Length: 43  
X-Amz-Target: CodeDeploy_20141006.DeregisterOnPremisesInstance  
X-Amz-Date: 20160707T182111Z  
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28  
Content-Type: application/x-amz-json-1.1  
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
```

```
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,  
Signature=39c3b3042cd2aEXAMPLE  
  
{  
  "instanceName": "grp-b-inst-3"  
}
```

Sample Response

```
HTTP/1.1 200 OK  
x-amzn-RequestId: 4ccc9cf0-88c9-11e5-8ce3-2704437d0309  
Content-Type: application/x-amz-json-1.1  
Content-Length: 0
```


GetApplication

Gets information about an application.

Request Syntax

```
{  
  "applicationName": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

applicationName (p. 57)

The name of an 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 (p. 57)

Information about the application.

Type: [ApplicationInfo \(p. 119\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 147\)](#).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 45
X-Amz-Target: CodeDeploy_20141006.GetApplication
X-Amz-Date: 20160707T014559Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-
east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-us-east-1"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 2010bbbd-88df-11e5-9749-bba241db97da
Content-Type: application/x-amz-json-1.1
Content-Length: 168

{
  "application": {
    "applicationId": "d3be67e5-e716-457b-946b-7a457EXAMPLE",
    "applicationName": "TestApp-us-east-1",
    "createTime": 1446229001.211,
    "linkedToGitHub": false
  }
}
```

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 parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

applicationName (p. 59)

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 (p. 59)

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

Type: [RevisionLocation](#) (p. 138) 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 (p. 59)

The name of the application that corresponds to the revision.

Type: String

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

revision (p. 59)

Additional information about the revision, including type and location.

Type: [RevisionLocation](#) (p. 138) object

revisionInfo (p. 59)

General information about the revision.

Type: [GenericRevisionInfo](#) (p. 131) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 215
X-Amz-Target: CodeDeploy_20141006.GetApplicationRevision
X-Amz-Date: 20160707T015403Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
  SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
  Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-us-east-1",
  "revision": {
    "revisionType": "S3",
    "s3Location": {
      "bundleType": "zip",
      "eTag": "fff9102ckv48b652bf903700453f7408",
      "bucket": "project-1234",
      "key": "North-App.zip"
    }
  }
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 410338f8-88e0-11e5-bb59-fb8eade0dfc3
Content-Type: application/x-amz-json-1.1
Content-Length: 416

{
  "applicationName": "TestApp-us-east-1",
  "revision": {
    "revisionType": "S3",
    "s3Location": {
      "bucket": "project-1234",
      "bundleType": "zip",
      "eTag": "abc9102cff48b652bf903765453f7408",
      "key": "North-App.zip"
    }
  },
  "revisionInfo": {
    "deploymentGroups": [],
    "description": "Application revision registered by Deployment ID: d-D1EGTDV3C",
    "firstUsedTime": 1446232255.734,
  }
}
```

AWS CodeDeploy API Reference
Example

```
    "lastUsedTime": 1446232255.734,  
    "registerTime": 1446232255.734  
  }  
}
```

GetDeployment

Gets information about a deployment.

Request Syntax

```
{  
  "deploymentId": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

deploymentId (p. 63)

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

Type: String

Required: Yes

Response Syntax

```
{  
  "deploymentInfo": {  
    "applicationName": "string",  
    "autoRollbackConfiguration": {  
      "enabled": boolean,  
      "events": [ "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"  
      },  
      "sourceProvider": "string"  
    },  
    "sourceProvider": "string"  
  },  
  "sourceProvider": "string"  
}
```

```
    "revisionType": "string",
    "s3Location": {
      "bucket": "string",
      "bundleType": "string",
      "eTag": "string",
      "key": "string",
      "version": "string"
    },
    "rollbackInfo": {
      "rollbackDeploymentId": "string",
      "rollbackMessage": "string",
      "rollbackTriggeringDeploymentId": "string"
    },
    "startTime": number,
    "status": "string",
    "updateOutdatedInstancesOnly": 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.

deploymentInfo (p. 63)

Information about the deployment.

Type: [DeploymentInfo](#) (p. 125) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 31
X-Amz-Target: CodeDeploy_20141006.GetDeployment
X-Amz-Date: 20160707T015545Z
```



```
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "deploymentId": "d-74D24AS7X"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 7dca4dcf-88e0-11e5-96e5-5hjlee0ce84e
Content-Type: application/x-amz-json-1.1
Content-Length: 622

{
  "deploymentInfo": {
    "applicationName": "TestApp-us-east-1",
    "completeTime": 1446232681.319,
    "createTime": 1446232639.487,
    "creator": "user",
    "deploymentConfigName": "CodeDeployDefault.OneAtATime",
    "deploymentGroupName": "dep-group-def-456",
    "deploymentId": "d-74D35AS7C",
    "deploymentOverview": {
      "Failed": 0,
      "InProgress": 0,
      "Pending": 0,
      "Skipped": 0,
      "Succeeded": 1
    },
    "description": "Deployment for project 8FHE43",
    "ignoreApplicationStopFailures": false,
    "revision": {
      "revisionType": "S3",
      "s3Location": {
        "bucket": "project-1234",
        "bundleType": "zip",
        "eTag": "3fdd7b968314a096d5af1d649e26a4a",
        "key": "North-App.zip"
      }
    },
    "startTime": 1446744188.711,
    "status": "Succeeded"
  }
}
```

GetDeploymentConfig

Gets information about a deployment configuration.

Request Syntax

```
{
  "deploymentConfigName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

deploymentConfigName (p. 66)

The name of a 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 (p. 66)

Information about the deployment configuration.

Type: [DeploymentConfigInfo \(p. 122\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 147\)](#).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 56
X-Amz-Target: CodeDeploy_20141006.GetDeploymentConfig
X-Amz-Date: 20160707T015738Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
  SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
  Signature=39c3b3042cd2aEXAMPLE

{
  "deploymentConfigName": "CodeDeployDefault.OneAtATime"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: c177704f-88e0-11e5-b497-75c493756c4d
Content-Type: application/x-amz-json-1.1
Content-Length: 200

{
  "deploymentConfigInfo": {
    "createTime": 1446744188.711,
    "deploymentConfigId": "00000000-0000-0000-0000-000000000001",
    "deploymentConfigName": "CodeDeployDefault.OneAtATime",
    "minimumHealthyHosts": {
      "type": "MOST_CONCURRENCY",
      "value": 1
    }
  }
}
```

GetDeploymentGroup

Gets information about a deployment group.

Request Syntax

```
{  
  "applicationName": "string",  
  "deploymentGroupName": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

applicationName (p. 68)

The name of an 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 (p. 68)

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": {  
    "alarmConfiguration": {  
      "alarms": [  
        {  
          "name": "string"  
        }  
      ],  
      "enabled": boolean,  
      "ignorePollAlarmFailure": boolean  
    },  
    "applicationName": "string",  
    "autoRollbackConfiguration": {  
      "enabled": boolean,  
      "events": [ "string" ]  
    },  
    "autoScalingGroups": [  
      {  
        "hook": "string",  
        "name": "string"  
      }  
    ],  
  },  
}
```

```

"deploymentConfigName": "string",
"deploymentGroupId": "string",
"deploymentGroupName": "string",
"ec2TagFilters": [
  {
    "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"
  }
},
"triggerConfigurations": [
  {
    "triggerEvents": [ "string" ],
    "triggerName": "string",
    "triggerTargetArn": "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 (p. 68)

Information about the deployment group.
Type: [DeploymentGroupInfo](#) (p. 123) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 99
X-Amz-Target: CodeDeploy_20141006.GetDeploymentGroup
X-Amz-Date: 20160707T020047Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
  SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
  Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-us-east-1",
  "deploymentGroupName": "dep-group-def-456"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 31b0d6a4-88e1-11e5-bb59-fb8eade0dfc3
Content-Type: application/x-amz-json-1.1
Content-Length: 646

{
  "deploymentGroupInfo": {
    "applicationName": "TestApp-us-east-1",
    "autoScalingGroups": [],
    "deploymentConfigName": "CodeDeployDefault.OneAtATime",
    "deploymentGroupId": "c565c0f7-8927-45d5-ab11-c16c4b0540b6",
```

AWS CodeDeploy API Reference
Example

```
"deploymentGroupName": "dep-group-def-456",
"ec2TagFilters": [
  {
    "Key": "Name",
    "Type": "KEY_AND_VALUE",
    "Value": "grp-c-inst-1"
  }
],
"onPremisesInstanceTagFilters": [],
"serviceRoleArn": "arn:aws:iam::444455556666:role/AnyCompany-service-
role",
"targetRevision": {
  "revisionType": "S3",
  "s3Location": {
    "bucket": "project-1234",
    "bundleType": "zip",
    "eTag": "3fdd7b9193231a096d5af1d649e26a4a",
    "key": "North-App.zip"
  },
  "triggerConfigurations": [
    {
      "triggerEvents": [
        "DeploymentFailure"
      ],
      "triggerName": "Trigger-group-us-east-1-deploy-fail",
      "triggerTargetArn": "arn:aws:sns:us-
east-1:80398EXAMPLE:us-east-deploy-fail"
    }
  ]
}
}
```

GetDeploymentInstance

Gets information about an instance as part of a deployment.

Request Syntax

```
{
  "deploymentId": "string",
  "instanceId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

deploymentId (p. 72)

The unique ID of a deployment.

Type: String

Required: Yes

instanceId (p. 72)

The unique ID of an instance in the 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 (p. 72)

Information about the instance.

Type: [InstanceSummary](#) (p. 134) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 59
X-Amz-Target: CodeDeploy_20141006.GetDeploymentInstance
X-Amz-Date: 20160707T020504Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "instanceId": "i-496636f700EXAMPLE",
```

```
"deploymentId": "d-7539MBT7C"  
}
```

Sample Response

```
HTTP/1.1 200 OK  
x-amzn-RequestId: caf06837-88e1-11e5-b0f5-a331fa97e4b5  
Content-Type: application/x-amz-json-1.1  
Content-Length: 1628  
  
{  
  "instanceSummary": {  
    "deploymentId": "d-75I7MBT7C",  
    "instanceId": "arn:aws:ec2:us-east-1:444455556666:instance/  
i-496589f700EXAMPLE",  
    "lastUpdatedAt": 1446744207.564,  
    "lifecycleEvents": [  
      {  
        "diagnostics": {  
          "errorCode": "Success",  
          "logTail": "",  
          "message": "Succeeded",  
          "scriptName": ""  
        },  
        "endTime": 1446744188.711,  
        "lifecycleEventName": "ApplicationStop",  
        "startTime": 1446744188.595,  
        "status": "Succeeded"  
      },  
      {  
        "diagnostics": {  
          "errorCode": "Success",  
          "logTail": "",  
          "message": "Succeeded",  
          "scriptName": ""  
        },  
        "endTime": 1446744190.402,  
        "lifecycleEventName": "DownloadBundle",  
        "startTime": 1446744189.827,  
        "status": "Succeeded"  
      },  
      {  
        "diagnostics": {  
          "errorCode": "Success",  
          "logTail": "",  
          "message": "Succeeded",  
          "scriptName": ""  
        },  
        "endTime": 1446744196.971,  
        "lifecycleEventName": "BeforeInstall",  
        "startTime": 1446744192.922,  
        "status": "Succeeded"  
      },  
      {  
        "diagnostics": {  
          "errorCode": "Success",  
          "logTail": "",  
          "message": "Succeeded",
```

AWS CodeDeploy API Reference
Example

```
        "scriptName": ""
      },
      "endTime": 1446744198.23,
      "lifecycleEventName": "Install",
      "startTime": 1446744198.084,
      "status": "Succeeded"
    },
    {
      "diagnostics": {
        "errorCode": "Success",
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
      },
      "endTime": 1446744200.299,
      "lifecycleEventName": "AfterInstall",
      "startTime": 1446744200.185,
      "status": "Succeeded"
    },
    {
      "diagnostics": {
        "errorCode": "Success",
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
      },
      "endTime": 1446744203.12,
      "lifecycleEventName": "ApplicationStart",
      "startTime": 1446744202.983,
      "status": "Succeeded"
    },
    {
      "diagnostics": {
        "errorCode": "Success",
        "logTail": "",
        "message": "Succeeded",
        "scriptName": ""
      },
      "endTime": 1446744204.558,
      "lifecycleEventName": "ValidateService",
      "startTime": 1446744204.438,
      "status": "Succeeded"
    }
  ],
  "status": "Succeeded"
}
```

GetOnPremisesInstance

Gets information about an on-premises instance.

Request Syntax

```
{
  "instanceName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

instanceName (p. 76)

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

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 (p. 76)

Information about the on-premises instance.

Type: [InstanceInfo \(p. 133\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 147\)](#).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 31
X-Amz-Target: CodeDeploy_20141006.GetOnPremisesInstance
X-Amz-Date: 20160707T020614Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "instanceName": "grp-c-inst-2"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: caf06837-88e1-11e5-b0f5-a331fa97e4b5
Content-Type: application/x-amz-json-1.1
Content-Length: 386

{
  "InstanceInfo": {
    "deregisterTime": 1.446744190402E9,
    "iamUserArn": "arn:aws:iam::444455556666:user/janedoe",
    "instanceArn": "arn:aws:codedeploy:us-east-1:444455556666:instance/
grp-e-inst-3_EJFIFC3LrD",
    "instanceName": "grp-o-inst-7",
    "registerTime": 1.446744207564E9,
    "tags": [
      {
        "Key": "Name",
        "Value": "Cost-Center-765"
      }
    ]
  }
}
```

```
}
```

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 parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

applicationName (p. 79)

The name of an 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 (p. 79)

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.

Type: String

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

Required: No

nextToken (p. 79)

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

Type: String

Required: No

s3Bucket (p. 79)

An Amazon S3 bucket name to limit the search for revisions.

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

Type: String

Required: No

s3KeyPrefix (p. 79)

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

Type: String

Required: No

sortBy (p. 79)

The column name to use to sort the list results:

- registerTime: Sort by the time the revisions were registered with AWS CodeDeploy.
- firstUsedTime: Sort by the time the revisions were first used in a deployment.
- lastUsedTime: Sort by the time 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 (p. 79)

The order in which to sort the list results:

- ascending: ascending order.
- descending: 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 (p. 80)

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

Type: String

revisions (p. 80)

A list of locations that contain the matching revisions.

Type: array of [RevisionLocation](#) (p. 138) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 45
X-Amz-Target: CodeDeploy_20141006.ListApplicationRevisions
X-Amz-Date: 20160707T021008Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
```

```
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE
```

```
{
  "applicationName": "TestApp-us-east-1"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 8000a419-88e2-11e5-b497-75c493756c4d
Content-Type: application/x-amz-json-1.1
Content-Length: 611
```

```
{
  "revisions": [
    {
      "revisionType": "S3",
      "s3Location": {
        "bucket": "project-1234",
        "bundleType": "zip",
        "eTag": "3fdd7b3456697a096d5af1d649e26a4a",
        "key": "North-App.zip"
      }
    },
    {
      "revisionType": "S3",
      "s3Location": {
        "bucket": "project-1234",
        "bundleType": "zip",
        "eTag": "\3fdd7b9142497a096d5af1d649e26a4a\",
        "key": "North-App.zip"
      }
    },
    {
      "revisionType": "S3",
      "s3Location": {
        "bucket": "project-1234",
        "bundleType": "zip",
        "eTag": "ffe5402cff48b652bf903700453f7408",
        "key": "North-App.zip"
      }
    },
    {
      "revisionType": "S3",
      "s3Location": {
        "bucket": "project-1234",
        "bundleType": "zip",
        "eTag": "fff9102vdf48b652bf903700453f7408",
        "key": "North-App.zip"
      }
    }
  ]
}
```

ListApplications

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

Request Syntax

```
{  
  "nextToken": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

nextToken (p. 83)

An identifier returned from the previous list applications call. It 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 (p. 83)

A list of application names.

Type: array of Strings

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

nextToken (p. 83)

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

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 147).

InvalidNextTokenException

The next token was specified in an invalid format.

HTTP Status Code: 400

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 2
X-Amz-Target: CodeDeploy_20141006.ListApplications
X-Amz-Date: 20160707T021119Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
  SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
  Signature=39c3b3042cd2aEXAMPLE
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: aa51eclf-88e2-11e5-9958-cd5094947bf1
Content-Type: application/x-amz-json-1.1
Content-Length: 211

{
  "applications": [
    "TestApp-eu-west-1",
    "ProductionApp-us-west-2",
    "TestApp-us-east-1",
    "ProductionApp-us-east-1",
    "TestApp-ap-northeast-1",
    "ProductionApp-eu-central-1",
    "ProductionApp-us-west-2"
  ]
}
```

ListDeploymentConfigs

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

Request Syntax

```
{  
  "nextToken": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

nextToken (p. 85)

An identifier returned from the previous list deployment configurations call. It 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 (p. 85)

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

Type: array of Strings

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

nextToken (p. 85)

If a large amount of information is returned, an identifier is also returned. It 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. 147).

InvalidNextTokenException

The next token was specified in an invalid format.

HTTP Status Code: 400

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 2
X-Amz-Target: CodeDeploy_20141006.ListDeploymentConfigs
X-Amz-Date: 20160707T021208Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 boto/2.8.0
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
  SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
  Signature=39c3b3042cd2aEXAMPLE

{
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: c7c4ae40-88e2-11e5-9958-cd5094947bf1
Content-Type: application/x-amz-json-1.1
Content-Length: 223

{
  "deploymentConfigsList": [
    "CustomConfig.One",
    "ThreeQuartersHealthy",
    "MyCustomDeploymentConfig-OneAtATime",
    "Project-ABCCConfig",
    "CodeDeployDefault.OneAtATime",
    "CodeDeployDefault.AllAtOnce",
    "CodeDeployDefault.HalfAtATime"
  ]
}
```

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 parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

applicationName (p. 87)

The name of an 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 (p. 87)

An identifier returned from the previous list deployment groups call. It 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 (p. 87)

The application name.

Type: String

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

deploymentGroups (p. 87)

A list of corresponding deployment group names.

Type: array of Strings

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

nextToken (p. 87)

If a large amount of information is returned, an identifier is also returned. It 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. 147).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 45
X-Amz-Target: CodeDeploy_20141006.ListDeploymentGroups
X-Amz-Date: 20160707T021406Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-us-east-1"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 0f5599cb-88e3-11e5-a087-ab26ee53e16e
Content-Type: application/x-amz-json-1.1
Content-Length: 95
```



```
{  
  "applicationName": "TestApp-us-east-1",  
  "deploymentGroups": [  
    "dep-group-def-456"  
  ]  
}
```

ListDeploymentInstances

Lists the instance 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 parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

deploymentId (p. 90)

The unique ID of a deployment.

Type: String

Required: Yes

instanceStatusFilter (p. 90)

A subset of instances to list by status:

- Pending: Include those instance with pending deployments.
- InProgress: Include those instance where deployments are still in progress.
- Succeeded: Include those instances with successful deployments.
- Failed: Include those instance with failed deployments.
- Skipped: Include those instance with skipped deployments.
- Unknown: Include those instance with deployments in an unknown state.

Type: array of Strings

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

Required: No

nextToken (p. 90)

An identifier returned from the previous list deployment instances call. It 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 (p. 90)

A list of instance IDs.

Type: array of Strings

nextToken (p. 90)

If a large amount of information is returned, an identifier is also returned. It 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 \(p. 147\)](#).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 31
X-Amz-Target: CodeDeploy_20141006.ListDeploymentInstances
X-Amz-Date: 20160707T021610Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE
{
```

```
"deploymentId": "d-74D25NS7C"  
}
```

Sample Response

```
HTTP/1.1 200 OK  
x-amzn-RequestId: 57a7b3d6-88e3-11e5-8ce3-2704437d0309  
Content-Type: application/x-amz-json-1.1  
Content-Length: 32  
  
{  
  "instancesList": [  
    "i-b2f7jf0d00EXAMPLE"  
  ]  
}
```

ListDeployments

Lists the deployments in 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 parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

applicationName (p. 93)

The name of an 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 (p. 93)

A time range (start and end) for returning a subset of the list of deployments.

Type: [TimeRange \(p. 143\)](#) object

Required: No

deploymentGroupName (p. 93)

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 (p. 93)

A subset of deployments to list by status:

- Created: Include created deployments in the resulting list.
- Queued: Include queued deployments in the resulting list.
- In Progress: Include in-progress deployments in the resulting list.
- Succeeded: Include successful deployments in the resulting list.
- Failed: Include failed deployments in the resulting list.
- Stopped: Include stopped deployments in the resulting list.

Type: array of Strings

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

Required: No

nextToken (p. 93)

An identifier returned from the previous list deployments call. It 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 (p. 94)

A list of deployment IDs.

Type: array of Strings

nextToken (p. 94)

If a large amount of information is returned, an identifier is also returned. It 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 \(p. 147\)](#).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 99
X-Amz-Target: CodeDeploy_20141006.ListDeployments
X-Amz-Date: 20160707T021907Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
  SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
  Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-us-east-1",
  "deploymentGroupName": "dep-group-def-456"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: c15efe85-88e3-11e5-8ce3-2704437d0309
Content-Type: application/x-amz-json-1.1
Content-Length: 45

{
  "deployments": [
    "d-74D87AS7C",
    "d-D1EGTDV4C"
  ]
}
```

ListOnPremisesInstances

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

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 parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

nextToken (p. 96)

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

Type: String

Required: No

registrationStatus (p. 96)

The registration status of the on-premises instances:

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

Type: String

Valid Values: Registered | Deregistered

Required: No

tagFilters (p. 96)

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

Type: array of [TagFilter](#) (p. 142) 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 (p. 96)

The list of matching on-premises instance names.

Type: array of Strings

nextToken (p. 96)

If a large amount of information is returned, an identifier is also returned. It 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. 147).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 2
X-Amz-Target: CodeDeploy_20141006.ListOnPremisesInstances
X-Amz-Date: 20160707T022010Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: e69e5d14-88e3-11e5-bb59-fb8eade0dfc3
```

```
Content-Type: application/x-amz-json-1.1  
Content-Length: 63
```

```
{  
  "instanceNames": [  
    "grp-a-inst-1",  
    "grp-a-inst-2"  
  ]  
}
```

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 parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

applicationName (p. 99)

The name of an 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 (p. 99)

A comment about the revision.

Type: String

Required: No

revision (p. 99)

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

Type: [RevisionLocation \(p. 138\)](#) 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 \(p. 147\)](#).

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 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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 257
X-Amz-Target: CodeDeploy_20141006.RegisterApplicationRevision
X-Amz-Date: 20160707T024712Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-
east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-us-east-1",
  "description": "New application registration",
  "revision": {
    "revisionType": "S3",
    "s3Location": {
      "bundleType": "zip",
      "eTag": "3fdd7b9196697a044d5af1d649e26a4a",
      "bucket": "project-1234",
      "key": "South-App.zip"
    }
  }
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 4ccc9cf0-88c9-11e5-8ce3-2704437d0309
Content-Type: application/x-amz-json-1.1
Content-Length: 0
```

RegisterOnPremisesInstance

Registers an on-premises instance.

Request Syntax

```
{  
  "iamUserArn": "string",  
  "instanceName": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

iamUserArn (p. 102)

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

Type: String

Required: Yes

instanceName (p. 102)

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 \(p. 147\)](#).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 257
X-Amz-Target: CodeDeploy_20141006.RegisterOnPremisesInstance
X-Amz-Date: 20160707T024712Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 boto/2.8.0
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
  SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
  Signature=39c3b3042cd2aEXAMPLE

{
  "IamUserArn": "arn:aws:iam::444455556666:user/janedoe",
  "instanceName": "grp-o-inst-5"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 4ccc9cf0-88c9-11e5-8ce3-2704437d0309
Content-Type: application/x-amz-json-1.1
Content-Length: 0
```

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 parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

instanceNames (p. 104)

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

Type: array of Strings

Required: Yes

tags (p. 104)

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

Type: array of [Tag \(p. 141\)](#) 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 \(p. 147\)](#).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 31
X-Amz-Target: CodeDeploy_20141006.RemoveTagsFromOnPremisesInstances
X-Amz-Date: 20160707T025157Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-
east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "InstanceNames": [
    "i-b2f7jf0d00EXAMPLE",
    "i-u3d8xa3m00EXAMPLE"
  ],
  "Tags": [
    {
      "Key": "Name",
      "Value": "Project-765"
    }
  ]
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 4ccc9cf0-88c9-11e5-8ce3-2704437d0309
Content-Type: application/x-amz-json-1.1
Content-Length: 0
```

StopDeployment

Attempts to stop an ongoing deployment.

Request Syntax

```
{  
  "autoRollbackEnabled": boolean,  
  "deploymentId": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

autoRollbackEnabled (p. 106)

Indicates, when a deployment is stopped, whether instances that have been updated should be rolled back to the previous version of the application revision.

Type: Boolean

Required: No

deploymentId (p. 106)

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 (p. 106)

The status of the stop deployment operation:

- Pending: The stop operation is pending.
- Succeeded: The stop operation was successful.

Type: String

Valid Values: `Pending` | `Succeeded`

statusMessage (p. 106)

An accompanying status message.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 147\)](#).

DeploymentAlreadyCompletedException

The deployment is already complete.

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 31
X-Amz-Target: CodeDeploy_20141006.StopDeployment
X-Amz-Date: 20160707T025157Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-
east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "deploymentId": "d-LGUMS25CC"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 57a24279-88e8-11e5-a087-ab26ee53e16e
Content-Type: application/x-amz-json-1.1
Content-Length: 114

{
  "status": "Pending",
  "statusMessage": "Stopping Pending. Stopping to schedule commands in the
deployment instances"
}
```

UpdateApplication

Changes the name of an application.

Request Syntax

```
{  
  "applicationName": "string",  
  "newApplicationName": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 145\)](#).

The request accepts the following data in JSON format.

applicationName (p. 108)

The current name of the application you want to change.

Type: String

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

Required: No

newApplicationName (p. 108)

The new name to give the application.

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 \(p. 147\)](#).

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

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 95
X-Amz-Target: CodeDeploy_20141006.UpdateApplication
X-Amz-Date: 20160707T025419Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 botocore/1.3.28
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
  SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
  Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-us-east-1",
  "newApplicationName": "TestApp-us-west-2"
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 4ccc9cf0-88c9-11e5-8ce3-2704437d0309
Content-Type: application/x-amz-json-1.1
Content-Length: 0
```

UpdateDeploymentGroup

Changes information about a deployment group.

Request Syntax

```
{
  "alarmConfiguration": {
    "alarms": [
      {
        "name": "string"
      }
    ],
    "enabled": boolean,
    "ignorePollAlarmFailure": boolean
  },
  "applicationName": "string",
  "autoRollbackConfiguration": {
    "enabled": boolean,
    "events": [ "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",
  "triggerConfigurations": [
    {
      "triggerEvents": [ "string" ],
      "triggerName": "string",
      "triggerTargetArn": "string"
    }
  ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 145).

The request accepts the following data in JSON format.

alarmConfiguration (p. 110)

Information to add or change about Amazon CloudWatch alarms when the deployment group is updated.

Type: [AlarmConfiguration \(p. 118\)](#) object

Required: No

applicationName (p. 110)

The application name corresponding to the deployment group to update.

Type: String

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

Required: Yes

autoRollbackConfiguration (p. 110)

Information for an automatic rollback configuration that is added or changed when a deployment group is updated.

Type: [AutoRollbackConfiguration \(p. 120\)](#) object

Required: No

autoScalingGroups (p. 110)

The replacement list of Auto Scaling groups to be included in the deployment group, if you want to change them. To keep the Auto Scaling groups, enter their names. To remove Auto Scaling groups, do not enter any Auto Scaling group names.

Type: array of Strings

Required: No

currentDeploymentGroupName (p. 110)

The current name of the deployment group.

Type: String

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

Required: Yes

deploymentConfigName (p. 110)

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 (p. 110)

The replacement set of Amazon EC2 tags on which to filter, if you want to change them. To keep the existing tags, enter their names. To remove tags, do not enter any tag names.

Type: array of [EC2TagFilter \(p. 129\)](#) objects

Required: No

newDeploymentGroupName (p. 110)

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 (p. 110)

The replacement set of on-premises instance tags on which to filter, if you want to change them. To keep the existing tags, enter their names. To remove tags, do not enter any tag names.

Type: array of [TagFilter \(p. 142\)](#) objects

Required: No

serviceRoleArn (p. 110)

A replacement ARN for the service role, if you want to change it.

Type: String

Required: No

triggerConfigurations (p. 110)

Information about triggers to change when the deployment group is updated. For examples, see [Modify Triggers in an AWS CodeDeploy Deployment Group](#) in the AWS CodeDeploy User Guide.

Type: array of [TriggerConfig \(p. 144\)](#) objects

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 (p. 112)

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 contains data, AWS CodeDeploy could not remove some Auto Scaling lifecycle event hooks from the AWS account.

Type: array of [AutoScalingGroup \(p. 121\)](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 147\)](#).

AlarmsLimitExceededException

The maximum number of alarms for a deployment group (10) was exceeded.

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

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

InvalidAlarmConfigException

The format of the alarm configuration is invalid. Possible causes include:

- The alarm list is null.
- The alarm object is null.
- The alarm name is empty or null or exceeds the 255 character limit.
- Two alarms with the same name have been specified.
- The alarm configuration is enabled but the alarm list is empty.

HTTP Status Code: 400

InvalidApplicationNameException

The application name was specified in an invalid format.

HTTP Status Code: 400

InvalidAutoRollbackConfigException

The automatic rollback configuration was specified in an invalid format. For example, automatic rollback is enabled but an invalid triggering event type or no event types were listed.

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

InvalidTriggerConfigException

The trigger was specified in an invalid format.

HTTP Status Code: 400

LifecycleHookLimitExceededException

The limit for lifecycle hooks was exceeded.

HTTP Status Code: 400

TriggerTargetsLimitExceededException

The maximum allowed number of triggers was exceeded.

HTTP Status Code: 400

Example

Sample Request

```
POST / HTTP/1.1
Host: codedeploy.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 167
X-Amz-Target: CodeDeploy_20141006.UpdateDeploymentGroup
X-Amz-Date: 20160707T025726Z
User-Agent: aws-cli/1.10.6 Python/2.7.9 Windows/7 boto/2.8.0
Content-Type: application/x-amz-json-1.1
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20160707/us-east-1/codedeploy/aws4_request,
SignedHeaders=content-type;host;user-agent;x-amz-date;x-amz-target,
Signature=39c3b3042cd2aEXAMPLE

{
  "applicationName": "TestApp-us-east-1",
  "newDeploymentGroupName": "dep-group-def-765",
  "currentDeploymentGroupName": "dep-group-def-456",
  "triggerConfigurations": [
    {
      "triggerEvents": [
        "DeploymentFailure"
      ],
      "triggerName": "Trigger-group-us-east-1-deploy-fail",
      "triggerTargetArn": "arn:aws:sns:us-east-1:80398EXAMPLE:us-east-1-deploy-fail"
    }
  ]
}
```

Sample Response

```
HTTP/1.1 200 OK
x-amzn-RequestId: 1bd3a202-88e9-11e5-a087-ab26ee53e16e
Content-Type: application/x-amz-json-1.1
Content-Length: 24

{
  "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 a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- [Alarm](#) (p. 117)
- [AlarmConfiguration](#) (p. 118)
- [ApplicationInfo](#) (p. 119)
- [AutoRollbackConfiguration](#) (p. 120)
- [AutoScalingGroup](#) (p. 121)
- [DeploymentConfigInfo](#) (p. 122)
- [DeploymentGroupInfo](#) (p. 123)
- [DeploymentInfo](#) (p. 125)
- [DeploymentOverview](#) (p. 127)
- [Diagnostics](#) (p. 128)
- [EC2TagFilter](#) (p. 129)
- [ErrorInformation](#) (p. 130)
- [GenericRevisionInfo](#) (p. 131)
- [GitHubLocation](#) (p. 132)
- [InstanceInfo](#) (p. 133)
- [InstanceSummary](#) (p. 134)
- [LifecycleEvent](#) (p. 135)
- [MinimumHealthyHosts](#) (p. 136)
- [RevisionInfo](#) (p. 137)
- [RevisionLocation](#) (p. 138)
- [RollbackInfo](#) (p. 139)
- [S3Location](#) (p. 140)
- [Tag](#) (p. 141)
- [TagFilter](#) (p. 142)
- [TimeRange](#) (p. 143)

- [TriggerConfig \(p. 144\)](#)

Alarm

Information about an alarm.

Contents

name

The name of the alarm. Maximum length is 255 characters. Each alarm name can be used only once in a list of alarms.

Type: String

Required: No

AlarmConfiguration

Information about alarms associated with the deployment group.

Contents

alarms

A list of alarms configured for the deployment group. A maximum of 10 alarms can be added to a deployment group.

Type: array of [Alarm \(p. 117\)](#) objects

Required: No

enabled

Indicates whether the alarm configuration is enabled.

Type: Boolean

Required: No

ignorePollAlarmFailure

Indicates whether a deployment should continue if information about the current state of alarms cannot be retrieved from Amazon CloudWatch. The default value is false.

- true: The deployment will proceed even if alarm status information can't be retrieved from Amazon CloudWatch.
- false: The deployment will stop if alarm status information can't be retrieved from Amazon CloudWatch.

Type: Boolean

Required: No

ApplicationInfo

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 at which the application was created.

Type: Timestamp

Required: No

linkedToGitHub

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

Type: Boolean

Required: No

AutoRollbackConfiguration

Information about a configuration for automatically rolling back to a previous version of an application revision when a deployment doesn't complete successfully.

Contents

enabled

Indicates whether a defined automatic rollback configuration is currently enabled.

Type: Boolean

Required: No

events

The event type or types that trigger a rollback.

Type: array of Strings

Valid Values: `DEPLOYMENT_FAILURE` | `DEPLOYMENT_STOP_ON_ALARM` | `DEPLOYMENT_STOP_ON_REQUEST`

Required: No

AutoScalingGroup

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

Information about a deployment configuration.

Contents

createTime

The time at which the deployment configuration was created.

Type: Timestamp

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 instance.

Type: [MinimumHealthyHosts \(p. 136\)](#) object

Required: No

DeploymentGroupInfo

Information about a deployment group.

Contents

alarmConfiguration

A list of alarms associated with the deployment group.

Type: [AlarmConfiguration \(p. 118\)](#) object

Required: No

applicationName

The application name.

Type: String

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

Required: No

autoRollbackConfiguration

Information about the automatic rollback configuration associated with the deployment group.

Type: [AutoRollbackConfiguration \(p. 120\)](#) object

Required: No

autoScalingGroups

A list of associated Auto Scaling groups.

Type: array of [AutoScalingGroup \(p. 121\)](#) 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 on which to filter.

Type: array of [EC2TagFilter \(p. 129\)](#) objects

Required: No

onPremisesInstanceTagFilters

The on-premises instance tags on which to filter.

Type: array of [TagFilter \(p. 142\)](#) objects

Required: No

serviceRoleArn

A service role ARN.

Type: String

Required: No

targetRevision

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

Type: [RevisionLocation \(p. 138\)](#) object

Required: No

triggerConfigurations

Information about triggers associated with the deployment group.

Type: array of [TriggerConfig \(p. 144\)](#) objects

Required: No

DeploymentInfo

Information about a deployment.

Contents

applicationName

The application name.

Type: String

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

Required: No

autoRollbackConfiguration

Information about the automatic rollback configuration associated with the deployment.

Type: [AutoRollbackConfiguration \(p. 120\)](#) object

Required: No

completeTime

A timestamp indicating when the deployment was complete.

Type: Timestamp

Required: No

createTime

A timestamp indicating when the deployment was created.

Type: Timestamp

Required: No

creator

The means by which the deployment was created:

- user: A user created the deployment.
- autoscaling: Auto Scaling created the deployment.
- codeDeployRollback: A rollback process created the deployment.

Type: String

Valid Values: `user` | `autoscaling` | `codeDeployRollback`

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 \(p. 127\)](#) object

Required: No

description

A comment about the deployment.

Type: String

Required: No

errorInformation

Information about any error associated with this deployment.

Type: [ErrorInformation \(p. 130\)](#) object

Required: No

ignoreApplicationStopFailures

If true, then if the deployment causes the ApplicationStop deployment lifecycle event to an instance to fail, the deployment to that instance will not be considered to have failed 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 an instance to fail, the deployment to that instance will stop, and the deployment to that instance will be considered to have failed.

Type: Boolean

Required: No

revision

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

Type: [RevisionLocation \(p. 138\)](#) object

Required: No

rollbackInfo

Information about a deployment rollback.

Type: [RollbackInfo \(p. 139\)](#) object

Required: No

startTime

A timestamp indicating when the deployment was deployed to the deployment group.

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 back-end servers that participate in the deployment process.

Type: Timestamp

Required: No

status

The current state of the deployment as a whole.

Type: String

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

Required: No

updateOutdatedInstancesOnly

Indicates whether only instances that are not running the latest application revision are to be deployed to.

Type: Boolean

Required: No

DeploymentOverview

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

Contents

Failed

The number of instances in the deployment in a failed state.

Type: Long

Required: No

InProgress

The number of instances in which the deployment is in progress.

Type: Long

Required: No

Pending

The number of instances in the deployment in a pending state.

Type: Long

Required: No

Skipped

The number of instances in the deployment in a skipped state.

Type: Long

Required: No

Succeeded

The number of instances in the deployment to which revisions have been successfully deployed.

Type: Long

Required: No

Diagnostics

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 diagnostic log.

If available, AWS CodeDeploy returns up to the last 4 KB of the 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

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

Information about a deployment error.

Contents

code

The error code:

- **APPLICATION_MISSING**: The application was missing. This error code will most likely be raised if the application is deleted after the deployment is created but before it is started.
- **DEPLOYMENT_GROUP_MISSING**: The deployment group was missing. This error code will most likely be raised if the deployment group is deleted after the deployment is created but before it is started.
- **HEALTH_CONSTRAINTS**: The deployment failed on too many instances to be successfully deployed within the instance health constraints specified.
- **HEALTH_CONSTRAINTS_INVALID**: The revision cannot be successfully deployed within the instance health constraints 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 instance were specified, or no instance can be found.
- **OVER_MAX_INSTANCES**: The maximum number of instance 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. This error code will most likely be raised if the revision is deleted after the deployment is created but before it is started.

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 | ALARM_ACTIVE | AGENT_ISSUE | AUTO_SCALING_IAM_ROLE_PERMISSIONS | AUTO_SCALING_CONFIGURATION | MANUAL_STOP`

Required: No

message

An accompanying error message.

Type: String

Required: No

GenericRevisionInfo

Information about an application revision.

Contents

deploymentGroups

The deployment groups for which this is the current target revision.

Type: array of Strings

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

Required: No

description

A comment about the revision.

Type: String

Required: No

firstUsedTime

When the revision was first used by AWS CodeDeploy.

Type: Timestamp

Required: No

lastUsedTime

When the revision was last used by AWS CodeDeploy.

Type: Timestamp

Required: No

registerTime

When the revision was registered with AWS CodeDeploy.

Type: Timestamp

Required: No

GitHubLocation

Information about the location of application artifacts stored in GitHub.

Contents

commitId

The SHA1 commit ID of the GitHub commit 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

Information about an on-premises instance.

Contents

deregisterTime

If the on-premises instance was deregistered, the time at which the on-premises instance was deregistered.

Type: Timestamp

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 at which the on-premises instance was registered.

Type: Timestamp

Required: No

tags

The tags currently associated with the on-premises instance.

Type: array of [Tag \(p. 141\)](#) objects

Required: No

InstanceSummary

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: Timestamp

Required: No

lifecycleEvents

A list of lifecycle events for this instance.

Type: array of [LifecycleEvent \(p. 135\)](#) 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

Information about a deployment lifecycle event.

Contents

diagnostics

Diagnostic information about the deployment lifecycle event.

Type: [Diagnostics \(p. 128\)](#) object

Required: No

endTime

A timestamp indicating when the deployment lifecycle event ended.

Type: Timestamp

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: Timestamp

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 ran successfully.
- 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

Information about minimum healthy instance.

Contents

type

The minimum healthy instance type:

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

In an example of nine instance, if a **HOST_COUNT** of six is specified, deploy to up to three instances at a time. The deployment will be successful if six or more instances are deployed to successfully; otherwise, the deployment fails. If a **FLEET_PERCENT** of 40 is specified, deploy to up to five instance at a time. The deployment will be successful if four or more instance are deployed to successfully; otherwise, the deployment fails.

Note

In a call to the get deployment configuration operation, `CodeDeployDefault.OneAtATime` will return a minimum healthy instance type of `MOST_CONCURRENCY` and a value of 1. This means a deployment to only one instance at a time. (You cannot set the type to `MOST_CONCURRENCY`, only to `HOST_COUNT` or `FLEET_PERCENT`.) In addition, with `CodeDeployDefault.OneAtATime`, AWS CodeDeploy will try to ensure that all instances but one are kept in a healthy state during the deployment. Although this allows one instance at a time to be taken offline for a new deployment, it also means that if the deployment to the last instance fails, the overall deployment still succeeds.

Type: String

Valid Values: `HOST_COUNT` | `FLEET_PERCENT`

Required: No

value

The minimum healthy instance value.

Type: Integer

Required: No

RevisionInfo

Information about an application revision.

Contents

genericRevisionInfo

Information about an application revision.

Type: [GenericRevisionInfo \(p. 131\)](#) object

Required: No

revisionLocation

Information about the location of an application revision.

Type: [RevisionLocation \(p. 138\)](#) object

Required: No

RevisionLocation

Information about the location of an application revision.

Contents

gitHubLocation

Information about the location of application artifacts stored in GitHub.

Type: [GitHubLocation \(p. 132\)](#) object

Required: No

revisionType

The type of application revision:

- 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 stored in Amazon S3.

Type: [S3Location \(p. 140\)](#) object

Required: No

RollbackInfo

Information about a deployment rollback.

Contents

rollbackDeploymentId

The ID of the deployment rollback.

Type: String

Required: No

rollbackMessage

Information describing the status of a deployment rollback; for example, whether the deployment can't be rolled back, is in progress, failed, or succeeded.

Type: String

Required: No

rollbackTriggeringDeploymentId

The deployment ID of the deployment that was underway and triggered a rollback deployment because it failed or was stopped.

Type: String

Required: No

S3Location

Information about the location of application artifacts 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

Information about a tag.

Contents

Key

The tag's key.

Type: String

Required: No

Value

The tag's value.

Type: String

Required: No

TagFilter

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

Information about a time range.

Contents

end

The end time of the time range.

Note

Specify null to leave the end time open-ended.

Type: Timestamp

Required: No

start

The start time of the time range.

Note

Specify null to leave the start time open-ended.

Type: Timestamp

Required: No

TriggerConfig

Information about notification triggers for the deployment group.

Contents

triggerEvents

The event type or types for which notifications are triggered.

Type: array of Strings

Valid Values: `DeploymentStart` | `DeploymentSuccess` | `DeploymentFailure` | `DeploymentStop` | `DeploymentRollback` | `InstanceStart` | `InstanceSuccess` | `InstanceFailure`

Required: No

triggerName

The name of the notification trigger.

Type: String

Required: No

triggerTargetArn

The ARN of the Amazon Simple Notification Service topic through which notifications about deployment or instance events are sent.

Type: String

Required: No

Common Parameters

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

InvalidQueryParameter

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