
AWS Elastic Beanstalk

API Reference

API Version 2010-12-01



AWS Elastic Beanstalk: API Reference

Copyright © 2018 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

Amazon's trademarks and trade dress may not be used in connection with any product or service that is not Amazon's, in any manner that is likely to cause confusion among customers, or in any manner that disparages or discredits Amazon. All other trademarks not owned by Amazon are the property of their respective owners, who may or may not be affiliated with, connected to, or sponsored by Amazon.

Table of Contents

Welcome	1
Actions	2
AbortEnvironmentUpdate	4
Request Parameters	4
Errors	4
See Also	4
ApplyEnvironmentManagedAction	5
Request Parameters	5
Response Elements	5
Errors	6
See Also	6
CheckDNSAvailability	7
Request Parameters	7
Response Elements	7
Errors	7
Example	7
See Also	8
ComposeEnvironments	9
Request Parameters	9
Response Elements	9
Errors	10
See Also	10
CreateApplication	11
Request Parameters	11
Response Elements	11
Errors	11
Example	12
See Also	12
CreateApplicationVersion	13
Request Parameters	13
Response Elements	14
Errors	15
Example	15
See Also	16
CreateConfigurationTemplate	17
Request Parameters	17
Response Elements	18
Errors	20
Example	20
See Also	24
CreateEnvironment	25
Request Parameters	25
Response Elements	27
Errors	30
Example	30
See Also	30
CreatePlatformVersion	32
Request Parameters	32
Response Elements	32
Errors	33
See Also	33
CreateStorageLocation	34
Response Elements	34
Errors	34

Example	34
See Also	35
DeleteApplication	36
Request Parameters	36
Errors	36
Example	36
See Also	37
DeleteApplicationVersion	38
Request Parameters	38
Errors	38
Example	39
See Also	39
DeleteConfigurationTemplate	40
Request Parameters	40
Errors	40
Example	40
See Also	41
DeleteEnvironmentConfiguration	42
Request Parameters	42
Errors	42
Example	42
See Also	43
DeletePlatformVersion	44
Request Parameters	44
Response Elements	44
Errors	44
See Also	45
DescribeAccountAttributes	46
Response Elements	46
Errors	46
Example	46
See Also	47
DescribeApplications	48
Request Parameters	48
Response Elements	48
Errors	48
Example	48
See Also	49
DescribeApplicationVersions	50
Request Parameters	50
Response Elements	50
Errors	51
Example	51
See Also	51
DescribeConfigurationOptions	53
Request Parameters	53
Response Elements	54
Errors	54
Example	54
See Also	62
DescribeConfigurationSettings	63
Request Parameters	63
Response Elements	63
Errors	64
Example	64
See Also	68
DescribeEnvironmentHealth	69

Request Parameters	69
Response Elements	69
Errors	70
Examples	70
See Also	72
DescribeEnvironmentManagedActionHistory	73
Request Parameters	73
Response Elements	73
Errors	74
See Also	74
DescribeEnvironmentManagedActions	75
Request Parameters	75
Response Elements	75
Errors	75
See Also	76
DescribeEnvironmentResources	77
Request Parameters	77
Response Elements	77
Errors	77
Example	78
See Also	78
DescribeEnvironments	80
Request Parameters	80
Response Elements	81
Errors	81
Example	81
See Also	82
DescribeEvents	83
Request Parameters	83
Response Elements	85
Errors	85
Example	85
See Also	86
DescribeInstancesHealth	87
Request Parameters	87
Response Elements	87
Errors	88
Examples	88
See Also	90
DescribePlatformVersion	91
Request Parameters	91
Response Elements	91
Errors	91
See Also	91
ListAvailableSolutionStacks	93
Response Elements	93
Errors	93
Example	93
See Also	93
ListPlatformVersions	95
Request Parameters	95
Response Elements	95
Errors	95
See Also	96
ListTagsForResource	97
Request Parameters	97
Response Elements	97

Errors	97
See Also	98
RebuildEnvironment	99
Request Parameters	99
Errors	99
Example	99
See Also	100
RequestEnvironmentInfo	101
Request Parameters	101
Errors	102
Example	102
See Also	102
RestartAppServer	103
Request Parameters	103
Errors	103
Example	103
See Also	104
RetrieveEnvironmentInfo	105
Request Parameters	105
Response Elements	105
Errors	106
Example	106
See Also	106
SwapEnvironmentCNAMEs	108
Request Parameters	108
Errors	109
Example	109
See Also	109
TerminateEnvironment	110
Request Parameters	110
Response Elements	111
Errors	113
Example	113
See Also	114
UpdateApplication	115
Request Parameters	115
Response Elements	115
Errors	115
Example	115
See Also	116
UpdateApplicationResourceLifecycle	117
Request Parameters	117
Response Elements	117
Errors	117
See Also	117
UpdateApplicationVersion	119
Request Parameters	119
Response Elements	119
Errors	120
Example	120
See Also	120
UpdateConfigurationTemplate	121
Request Parameters	121
Response Elements	122
Errors	123
Example	123
See Also	127

UpdateEnvironment	128
Request Parameters	128
Response Elements	130
Errors	132
Example	133
See Also	133
UpdateTagsForResource	135
Request Parameters	135
Errors	136
See Also	136
ValidateConfigurationSettings	137
Request Parameters	137
Response Elements	137
Errors	138
Example	138
See Also	138
Data Types	140
ApplicationDescription	142
Contents	142
See Also	143
ApplicationMetrics	144
Contents	144
See Also	144
ApplicationResourceLifecycleConfig	145
Contents	145
See Also	145
ApplicationVersionDescription	146
Contents	146
See Also	147
ApplicationVersionLifecycleConfig	148
Contents	148
See Also	148
AutoScalingGroup	149
Contents	149
See Also	149
BuildConfiguration	150
Contents	150
See Also	151
Builder	152
Contents	152
See Also	152
ConfigurationOptionDescription	153
Contents	153
See Also	154
ConfigurationOptionSetting	156
Contents	156
See Also	156
ConfigurationSettingsDescription	157
Contents	157
See Also	158
CPUUtilization	159
Contents	159
See Also	160
CustomAmi	161
Contents	161
See Also	161
Deployment	162

Contents	162
See Also	162
EnvironmentDescription	163
Contents	163
See Also	166
EnvironmentInfoDescription	167
Contents	167
See Also	167
EnvironmentLink	168
Contents	168
See Also	168
EnvironmentResourceDescription	169
Contents	169
See Also	170
EnvironmentResourcesDescription	171
Contents	171
See Also	171
EnvironmentTier	172
Contents	172
See Also	172
EventDescription	173
Contents	173
See Also	174
Instance	175
Contents	175
See Also	175
InstanceHealthSummary	176
Contents	176
See Also	177
Latency	178
Contents	178
See Also	179
LaunchConfiguration	180
Contents	180
See Also	180
Listener	181
Contents	181
See Also	181
LoadBalancer	182
Contents	182
See Also	182
LoadBalancerDescription	183
Contents	183
See Also	183
ManagedAction	184
Contents	184
See Also	184
ManagedActionHistoryItem	186
Contents	186
See Also	187
MaxAgeRule	188
Contents	188
See Also	188
MaxCountRule	189
Contents	189
See Also	189
OptionRestrictionRegex	190

Contents	190
See Also	190
OptionSpecification	191
Contents	191
See Also	191
PlatformDescription	192
Contents	192
See Also	194
PlatformFilter	195
Contents	195
See Also	195
PlatformFramework	196
Contents	196
See Also	196
PlatformProgrammingLanguage	197
Contents	197
See Also	197
PlatformSummary	198
Contents	198
See Also	199
Queue	200
Contents	200
See Also	200
ResourceQuota	201
Contents	201
See Also	201
ResourceQuotas	202
Contents	202
See Also	202
S3Location	203
Contents	203
See Also	203
SingleInstanceHealth	204
Contents	204
See Also	205
SolutionStackDescription	206
Contents	206
See Also	206
SourceBuildInformation	207
Contents	207
See Also	207
SourceConfiguration	209
Contents	209
See Also	209
StatusCodes	210
Contents	210
See Also	210
SystemStatus	211
Contents	211
See Also	211
Tag	212
Contents	212
See Also	212
Trigger	213
Contents	213
See Also	213
ValidationMessage	214

Contents	214
See Also	214
Common Parameters	215
Common Errors	217

Welcome

AWS Elastic Beanstalk makes it easy for you to create, deploy, and manage scalable, fault-tolerant applications running on the Amazon Web Services cloud.

For more information about this product, go to the [AWS Elastic Beanstalk](#) details page. The location of the latest AWS Elastic Beanstalk WSDL is <http://elasticbeanstalk.s3.amazonaws.com/doc/2010-12-01/AWSElasticBeanstalk.wsdl>. To install the Software Development Kits (SDKs), Integrated Development Environment (IDE) Toolkits, and command line tools that enable you to access the API, go to [Tools for Amazon Web Services](#).

Endpoints

For a list of region-specific endpoints that AWS Elastic Beanstalk supports, go to [Regions and Endpoints](#) in the *Amazon Web Services Glossary*.

This document was last published on November 19, 2018.

Actions

The following actions are supported:

- [AbortEnvironmentUpdate](#) (p. 4)
- [ApplyEnvironmentManagedAction](#) (p. 5)
- [CheckDNSAvailability](#) (p. 7)
- [ComposeEnvironments](#) (p. 9)
- [CreateApplication](#) (p. 11)
- [CreateApplicationVersion](#) (p. 13)
- [CreateConfigurationTemplate](#) (p. 17)
- [CreateEnvironment](#) (p. 25)
- [CreatePlatformVersion](#) (p. 32)
- [CreateStorageLocation](#) (p. 34)
- [DeleteApplication](#) (p. 36)
- [DeleteApplicationVersion](#) (p. 38)
- [DeleteConfigurationTemplate](#) (p. 40)
- [DeleteEnvironmentConfiguration](#) (p. 42)
- [DeletePlatformVersion](#) (p. 44)
- [DescribeAccountAttributes](#) (p. 46)
- [DescribeApplications](#) (p. 48)
- [DescribeApplicationVersions](#) (p. 50)
- [DescribeConfigurationOptions](#) (p. 53)
- [DescribeConfigurationSettings](#) (p. 63)
- [DescribeEnvironmentHealth](#) (p. 69)
- [DescribeEnvironmentManagedActionHistory](#) (p. 73)
- [DescribeEnvironmentManagedActions](#) (p. 75)
- [DescribeEnvironmentResources](#) (p. 77)
- [DescribeEnvironments](#) (p. 80)
- [DescribeEvents](#) (p. 83)
- [DescribeInstancesHealth](#) (p. 87)
- [DescribePlatformVersion](#) (p. 91)
- [ListAvailableSolutionStacks](#) (p. 93)
- [ListPlatformVersions](#) (p. 95)
- [ListTagsForResource](#) (p. 97)
- [RebuildEnvironment](#) (p. 99)
- [RequestEnvironmentInfo](#) (p. 101)
- [RestartAppServer](#) (p. 103)
- [RetrieveEnvironmentInfo](#) (p. 105)
- [SwapEnvironmentCNAMEs](#) (p. 108)
- [TerminateEnvironment](#) (p. 110)
- [UpdateApplication](#) (p. 115)
- [UpdateApplicationResourceLifecycle](#) (p. 117)
- [UpdateApplicationVersion](#) (p. 119)

- [UpdateConfigurationTemplate](#) (p. 121)
- [UpdateEnvironment](#) (p. 128)
- [UpdateTagsForResource](#) (p. 135)
- [ValidateConfigurationSettings](#) (p. 137)

AbortEnvironmentUpdate

Cancels in-progress environment configuration update or application version deployment.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

EnvironmentId

This specifies the ID of the environment with the in-progress update that you want to cancel.

Type: String

Required: No

EnvironmentName

This specifies the name of the environment with the in-progress update that you want to cancel.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

See Also

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

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

ApplyEnvironmentManagedAction

Applies a scheduled managed action immediately. A managed action can be applied only if its status is `Scheduled`. Get the status and action ID of a managed action with [DescribeEnvironmentManagedActions](#) (p. 75).

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

ActionId

The action ID of the scheduled managed action to execute.

Type: String

Required: Yes

EnvironmentId

The environment ID of the target environment.

Type: String

Required: No

EnvironmentName

The name of the target environment.

Type: String

Required: No

Response Elements

The following elements are returned by the service.

ActionDescription

A description of the managed action.

Type: String

ActionId

The action ID of the managed action.

Type: String

ActionType

The type of managed action.

Type: String

Valid Values: `InstanceRefresh` | `PlatformUpdate` | `Unknown`

Status

The status of the managed action.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

ManagedActionInvalidState

Cannot modify the managed action in its current state.

HTTP Status Code: 400

See Also

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

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

CheckDNSAvailability

Checks if the specified CNAME is available.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

CNAMEPrefix

The prefix used when this CNAME is reserved.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 63.

Required: Yes

Response Elements

The following elements are returned by the service.

Available

Indicates if the specified CNAME is available:

- `true` : The CNAME is available.
- `false` : The CNAME is not available.

Type: Boolean

FullyQualifiedCNAME

The fully qualified CNAME to reserve when [CreateEnvironment \(p. 25\)](#) is called with the provided prefix.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?CNAMEPrefix=sampleapplication
&Operation=CheckDNSAvailability
&AuthParams
```

Sample Response

```
<CheckDNSAvailabilityResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <CheckDNSAvailabilityResult>
    <FullyQualifiedCNAME>sampleapplication.elasticbeanstalk.amazonaws.com</FullyQualifiedCNAME>
    <Available>true</Available>
  </CheckDNSAvailabilityResult>
  <ResponseMetadata>
    <RequestId>12f6701f-f1d6-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</CheckDNSAvailabilityResponse>
```

See Also

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

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

ComposeEnvironments

Create or update a group of environments that each run a separate component of a single application. Takes a list of version labels that specify application source bundles for each of the environments to create or update. The name of each environment and other required information must be included in the source bundles in an environment manifest named `env.yaml`. See [Compose Environments](#) for details.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

ApplicationName

The name of the application to which the specified source bundles belong.

Type: String

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

Required: No

GroupName

The name of the group to which the target environments belong. Specify a group name only if the environment name defined in each target environment's manifest ends with a + (plus) character. See [Environment Manifest \(env.yaml\)](#) for details.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 19.

Required: No

VersionLabels.member.N

A list of version labels, specifying one or more application source bundles that belong to the target application. Each source bundle must include an environment manifest that specifies the name of the environment and the name of the solution stack to use, and optionally can specify environment links to create.

Type: Array of strings

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

Required: No

Response Elements

The following elements are returned by the service.

Environments.member.N

Returns an [EnvironmentDescription](#) (p. 163) list.

Type: Array of [EnvironmentDescription](#) (p. 163) objects

NextToken

In a paginated request, the token that you can pass in a subsequent request to get the next response page.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

TooManyEnvironments

The specified account has reached its limit of environments.

HTTP Status Code: 400

See Also

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

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

CreateApplication

Creates an application that has one configuration template named `default` and no application versions.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

ApplicationName

The name of the application.

Constraint: This name must be unique within your account. If the specified name already exists, the action returns an `InvalidParameterValue` error.

Type: String

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

Required: Yes

Description

Describes the application.

Type: String

Length Constraints: Maximum length of 200.

Required: No

ResourceLifecycleConfig

Specify an application resource lifecycle configuration to prevent your application from accumulating too many versions.

Type: [ApplicationResourceLifecycleConfig \(p. 145\)](#) object

Required: No

Response Elements

The following element is returned by the service.

Application

The [ApplicationDescription \(p. 142\)](#) of the application.

Type: [ApplicationDescription \(p. 142\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

TooManyApplications

The specified account has reached its limit of applications.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&Description=Sample%20Description
&Operation=CreateApplication
&AuthParams
```

Sample Response

```
<CreateApplicationResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <CreateApplicationResult>
    <Application>
      <Versions/>
      <Description>Sample Description</Description>
      <ApplicationName>SampleApp</ApplicationName>
      <DateCreated>2010-11-16T23:09:20.256Z</DateCreated>
      <DateUpdated>2010-11-16T23:09:20.256Z</DateUpdated>
      <ConfigurationTemplates>
        <member>Default</member>
      </ConfigurationTemplates>
    </Application>
  </CreateApplicationResult>
  <ResponseMetadata>
    <RequestId>8b00e053-f1d6-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</CreateApplicationResponse>
```

See Also

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

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

CreateApplicationVersion

Creates an application version for the specified application. You can create an application version from a source bundle in Amazon S3, a commit in AWS CodeCommit, or the output of an AWS CodeBuild build as follows:

Specify a commit in an AWS CodeCommit repository with `SourceBuildInformation`.

Specify a build in an AWS CodeBuild with `SourceBuildInformation` and `BuildConfiguration`.

Specify a source bundle in S3 with `SourceBundle`

Omit both `SourceBuildInformation` and `SourceBundle` to use the default sample application.

Note

Once you create an application version with a specified Amazon S3 bucket and key location, you cannot change that Amazon S3 location. If you change the Amazon S3 location, you receive an exception when you attempt to launch an environment from the application version.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

ApplicationName

The name of the application. If no application is found with this name, and `AutoCreateApplication` is false, returns an `InvalidParameterValue` error.

Type: String

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

Required: Yes

AutoCreateApplication

Set to `true` to create an application with the specified name if it doesn't already exist.

Type: Boolean

Required: No

BuildConfiguration

Settings for an AWS CodeBuild build.

Type: [BuildConfiguration \(p. 150\)](#) object

Required: No

Description

Describes this version.

Type: String

Length Constraints: Maximum length of 200.

Required: No

Process

Pre-processes and validates the environment manifest (`env.yaml`) and configuration files (`*.config` files in the `.ebextensions` folder) in the source bundle. Validating configuration files can identify issues prior to deploying the application version to an environment.

You must turn processing on for application versions that you create using AWS CodeBuild or AWS CodeCommit. For application versions built from a source bundle in Amazon S3, processing is optional.

Note

The `Process` option validates Elastic Beanstalk configuration files. It doesn't validate your application's configuration files, like proxy server or Docker configuration.

Type: Boolean

Required: No

SourceBuildInformation

Specify a commit in an AWS CodeCommit Git repository to use as the source code for the application version.

Type: [SourceBuildInformation \(p. 207\)](#) object

Required: No

SourceBundle

The Amazon S3 bucket and key that identify the location of the source bundle for this version.

Note

The Amazon S3 bucket must be in the same region as the environment.

Specify a source bundle in S3 or a commit in an AWS CodeCommit repository (with `SourceBuildInformation`), but not both. If neither `SourceBundle` nor `SourceBuildInformation` are provided, Elastic Beanstalk uses a sample application.

Type: [S3Location \(p. 203\)](#) object

Required: No

VersionLabel

A label identifying this version.

Constraint: Must be unique per application. If an application version already exists with this label for the specified application, AWS Elastic Beanstalk returns an `InvalidParameterValue` error.

Type: String

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

Required: Yes

Response Elements

The following element is returned by the service.

ApplicationVersion

The [ApplicationVersionDescription \(p. 146\)](#) of the application version.

Type: [ApplicationVersionDescription](#) (p. 146) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

CodeBuildNotInServiceRegion

AWS CodeBuild is not available in the specified region.

HTTP Status Code: 400

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

S3LocationNotInServiceRegion

The specified S3 bucket does not belong to the S3 region in which the service is running. The following regions are supported:

- IAD/us-east-1
- PDX/us-west-2
- DUB/eu-west-1

HTTP Status Code: 400

TooManyApplications

The specified account has reached its limit of applications.

HTTP Status Code: 400

TooManyApplicationVersions

The specified account has reached its limit of application versions.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&VersionLabel=Version1
&Description=description
&SourceBundle.S3Bucket=amazonaws.com
&SourceBundle.S3Key=sample.war
&AutoCreateApplication=true
&Operation=CreateApplicationVersion
&AuthParams
```

Sample Response

```
<CreateApplicationVersionResponse xmlns="https://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
```

```
<CreateApplicationVersionResult>
  <ApplicationVersion>
    <SourceBundle>
      <S3Bucket>amazonaws.com</S3Bucket>
      <S3Key>sample.war</S3Key>
    </SourceBundle>
    <VersionLabel>Version1</VersionLabel>
    <Description>description</Description>
    <ApplicationName>SampleApp</ApplicationName>
    <DateCreated>2010-11-17T03:21:59.161Z</DateCreated>
    <DateUpdated>2010-11-17T03:21:59.161Z</DateUpdated>
  </ApplicationVersion>
</CreateApplicationVersionResult>
<ResponseMetadata>
  <RequestId>d653efef-f1f9-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</CreateApplicationVersionResponse>
```

See Also

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

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

CreateConfigurationTemplate

Creates a configuration template. Templates are associated with a specific application and are used to deploy different versions of the application with the same configuration settings.

Templates aren't associated with any environment. The `EnvironmentName` response element is always `null`.

Related Topics

- [DescribeConfigurationOptions](#) (p. 53)
- [DescribeConfigurationSettings](#) (p. 63)
- [ListAvailableSolutionStacks](#) (p. 93)

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

ApplicationName

The name of the application to associate with this configuration template. If no application is found with this name, AWS Elastic Beanstalk returns an `InvalidParameterValue` error.

Type: String

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

Required: Yes

Description

Describes this configuration.

Type: String

Length Constraints: Maximum length of 200.

Required: No

EnvironmentId

The ID of the environment used with this configuration template.

Type: String

Required: No

OptionSettings.member.N

If specified, AWS Elastic Beanstalk sets the specified configuration option to the requested value. The new value overrides the value obtained from the solution stack or the source configuration template.

Type: Array of [ConfigurationOptionSetting](#) (p. 156) objects

Required: No

PlatformArn

The ARN of the custom platform.

Type: String

Required: No

SolutionStackName

The name of the solution stack used by this configuration. The solution stack specifies the operating system, architecture, and application server for a configuration template. It determines the set of configuration options as well as the possible and default values.

Use [ListAvailableSolutionStacks \(p. 93\)](#) to obtain a list of available solution stacks.

A solution stack name or a source configuration parameter must be specified, otherwise AWS Elastic Beanstalk returns an `InvalidParameterValue` error.

If a solution stack name is not specified and the source configuration parameter is specified, AWS Elastic Beanstalk uses the same solution stack as the source configuration template.

Type: String

Required: No

SourceConfiguration

If specified, AWS Elastic Beanstalk uses the configuration values from the specified configuration template to create a new configuration.

Values specified in the `OptionSettings` parameter of this call overrides any values obtained from the `SourceConfiguration`.

If no configuration template is found, returns an `InvalidParameterValue` error.

Constraint: If both the solution stack name parameter and the source configuration parameters are specified, the solution stack of the source configuration template must match the specified solution stack name or else AWS Elastic Beanstalk returns an `InvalidParameterCombination` error.

Type: [SourceConfiguration \(p. 209\)](#) object

Required: No

TemplateName

The name of the configuration template.

Constraint: This name must be unique per application.

Default: If a configuration template already exists with this name, AWS Elastic Beanstalk returns an `InvalidParameterValue` error.

Type: String

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

Required: Yes

Response Elements

The following elements are returned by the service.

ApplicationName

The name of the application associated with this configuration set.

Type: String

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

DateCreated

The date (in UTC time) when this configuration set was created.

Type: Timestamp

DateUpdated

The date (in UTC time) when this configuration set was last modified.

Type: Timestamp

DeploymentStatus

If this configuration set is associated with an environment, the `DeploymentStatus` parameter indicates the deployment status of this configuration set:

- `null`: This configuration is not associated with a running environment.
- `pending`: This is a draft configuration that is not deployed to the associated environment but is in the process of deploying.
- `deployed`: This is the configuration that is currently deployed to the associated running environment.
- `failed`: This is a draft configuration that failed to successfully deploy.

Type: String

Valid Values: `deployed` | `pending` | `failed`

Description

Describes this configuration set.

Type: String

Length Constraints: Maximum length of 200.

EnvironmentName

If not `null`, the name of the environment for this configuration set.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

OptionSettings.member.N

A list of the configuration options and their values in this configuration set.

Type: Array of [ConfigurationOptionSetting](#) (p. 156) objects

PlatformArn

The ARN of the platform.

Type: String

SolutionStackName

The name of the solution stack this configuration set uses.

Type: String

TemplateName

If not null, the name of the configuration template for this configuration set.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

TooManyBuckets

The specified account has reached its limit of Amazon S3 buckets.

HTTP Status Code: 400

TooManyConfigurationTemplates

The specified account has reached its limit of configuration templates.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&TemplateName=AppTemplate
&SolutionStackName=32bit%20Amazon%20Linux%20running%20Tomcat%207
&Description=ConfigTemplateDescription
&Operation=CreateConfigurationTemplate
&AuthParams
```

Sample Response

```
<CreateConfigurationTemplateResponse xmlns="https://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
  <CreateConfigurationTemplateResult>
    <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>
    <OptionSettings>
      <member>
        <OptionName>ImageId</OptionName>
        <Value>ami-f2f0069b</Value>
        <Namespace>aws:autoscaling:launchconfiguration</Namespace>
      </member>
      <member>
        <OptionName>Notification Endpoint</OptionName>
        <Value/>
        <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
      </member>
    </OptionSettings>
  </CreateConfigurationTemplateResult>
</CreateConfigurationTemplateResponse>
```

```
</member>
<member>
  <OptionName>PARAM4</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>JDBC_CONNECTION_STRING</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>SecurityGroups</OptionName>
  <Value>elasticbeanstalk-default</Value>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>UnhealthyThreshold</OptionName>
  <Value>5</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>InstanceType</OptionName>
  <Value>t1.micro</Value>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>Statistic</OptionName>
  <Value>Average</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>LoadBalancerHTTPSPort</OptionName>
  <Value>OFF</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <OptionName>Stickiness Cookie Expiration</OptionName>
  <Value>0</Value>
  <Namespace>aws:elb:policies</Namespace>
</member>
<member>
  <OptionName>PARAM5</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>MeasureName</OptionName>
  <Value>NetworkOut</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Interval</OptionName>
  <Value>30</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>Application Healthcheck URL</OptionName>
  <Value>/</Value>
  <Namespace>aws:elasticbeanstalk:application</Namespace>
</member>
<member>
  <OptionName>Notification Topic ARN</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
```

```
<member>
  <OptionName>LowerBreachScaleIncrement</OptionName>
  <Value>-1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>XX:MaxPermSize</OptionName>
  <Value>64m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <OptionName>UpperBreachScaleIncrement</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>MinSize</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>Custom Availability Zones</OptionName>
  <Value>us-east-1a</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>Availability Zones</OptionName>
  <Value>Any 1</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>LogPublicationControl</OptionName>
  <Value>false</Value>
  <Namespace>aws:elasticbeanstalk:hostmanager</Namespace>
</member>
<member>
  <OptionName>JVM Options</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <OptionName>Notification Topic Name</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>PARAM2</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>LoadBalancerHTTPPort</OptionName>
  <Value>80</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <OptionName>Timeout</OptionName>
  <Value>5</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>BreachDuration</OptionName>
  <Value>2</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
</member>
```



```
<OptionName>MonitoringInterval</OptionName>
<Value>5 minute</Value>
<Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>PARAM1</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>MaxSize</OptionName>
  <Value>4</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>LowerThreshold</OptionName>
  <Value>2000000</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>AWS_SECRET_KEY</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>AWS_ACCESS_KEY_ID</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>UpperThreshold</OptionName>
  <Value>6000000</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Notification Protocol</OptionName>
  <Value>email</Value>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>Unit</OptionName>
  <Value>Bytes</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Xmx</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <OptionName>Cooldown</OptionName>
  <Value>360</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>Period</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Xms</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <OptionName>EC2KeyName</OptionName>
```

```
<Value/>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>Stickiness Policy</OptionName>
  <Value>>false</Value>
  <Namespace>aws:elb:policies</Namespace>
</member>
<member>
  <OptionName>PARAM3</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>HealthyThreshold</OptionName>
  <Value>3</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>SSLCertificateId</OptionName>
  <Value/>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
</OptionSettings>
<Description>ConfigTemplateDescription</Description>
<ApplicationName>SampleApp</ApplicationName>
<DateCreated>2010-11-17T03:48:19.640Z</DateCreated>
<TemplateName>AppTemplate</TemplateName>
<DateUpdated>2010-11-17T03:48:19.640Z</DateUpdated>
</CreateConfigurationTemplateResult>
<ResponseMetadata>
  <RequestId>846cd905-f1fd-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</CreateConfigurationTemplateResponse>
```

See Also

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

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

CreateEnvironment

Launches an environment for the specified application using the specified configuration.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

ApplicationName

The name of the application that contains the version to be deployed.

If no application is found with this name, `CreateEnvironment` returns an `InvalidParameterValue` error.

Type: String

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

Required: Yes

CNAMEPrefix

If specified, the environment attempts to use this value as the prefix for the CNAME. If not specified, the CNAME is generated automatically by appending a random alphanumeric string to the environment name.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 63.

Required: No

Description

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

Required: No

EnvironmentName

A unique name for the deployment environment. Used in the application URL.

Constraint: Must be from 4 to 40 characters in length. The name can contain only letters, numbers, and hyphens. It cannot start or end with a hyphen. This name must be unique within a region in your account. If the specified name already exists in the region, AWS Elastic Beanstalk returns an `InvalidParameterValue` error.

Default: If the CNAME parameter is not specified, the environment name becomes part of the CNAME, and therefore part of the visible URL for your application.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

GroupName

The name of the group to which the target environment belongs. Specify a group name only if the environment's name is specified in an environment manifest and not with the environment name parameter. See [Environment Manifest \(env.yaml\)](#) for details.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 19.

Required: No

OptionSettings.member.N

If specified, AWS Elastic Beanstalk sets the specified configuration options to the requested value in the configuration set for the new environment. These override the values obtained from the solution stack or the configuration template.

Type: Array of [ConfigurationOptionSetting \(p. 156\)](#) objects

Required: No

OptionsToRemove.member.N

A list of custom user-defined configuration options to remove from the configuration set for this new environment.

Type: Array of [OptionSpecification \(p. 191\)](#) objects

Required: No

PlatformArn

The ARN of the platform.

Type: String

Required: No

SolutionStackName

This is an alternative to specifying a template name. If specified, AWS Elastic Beanstalk sets the configuration values to the default values associated with the specified solution stack.

For a list of current solution stacks, see [Elastic Beanstalk Supported Platforms](#).

Type: String

Required: No

Tags.member.N

This specifies the tags applied to resources in the environment.

Type: Array of [Tag \(p. 212\)](#) objects

Required: No

TemplateName

The name of the configuration template to use in deployment. If no configuration template is found with this name, AWS Elastic Beanstalk returns an `InvalidParameterValue` error.

Type: String

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

Required: No

Tier

This specifies the tier to use for creating this environment.

Type: [EnvironmentTier](#) (p. 172) object

Required: No

VersionLabel

The name of the application version to deploy.

If the specified application has no associated application versions, AWS Elastic Beanstalk `UpdateEnvironment` returns an `InvalidParameterValue` error.

Default: If not specified, AWS Elastic Beanstalk attempts to launch the sample application in the container.

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

AbortableOperationInProgress

Indicates if there is an in-progress environment configuration update or application version deployment that you can cancel.

`true`: There is an update in progress.

`false`: There are no updates currently in progress.

Type: Boolean

ApplicationName

The name of the application associated with this environment.

Type: String

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

CNAME

The URL to the CNAME for this environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

DateCreated

The creation date for this environment.

Type: Timestamp

DateUpdated

The last modified date for this environment.

Type: Timestamp

Description

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

EndpointURL

For load-balanced, autoscaling environments, the URL to the LoadBalancer. For single-instance environments, the IP address of the instance.

Type: String

EnvironmentArn

The environment's Amazon Resource Name (ARN), which can be used in other API requests that require an ARN.

Type: String

EnvironmentId

The ID of this environment.

Type: String

EnvironmentLinks.member.N

A list of links to other environments in the same group.

Type: Array of [EnvironmentLink \(p. 168\)](#) objects

EnvironmentName

The name of this environment.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Health

Describes the health status of the environment. AWS Elastic Beanstalk indicates the failure levels for a running environment:

- **Red:** Indicates the environment is not responsive. Occurs when three or more consecutive failures occur for an environment.
- **Yellow:** Indicates that something is wrong. Occurs when two consecutive failures occur for an environment.
- **Green:** Indicates the environment is healthy and fully functional.
- **Grey:** Default health for a new environment. The environment is not fully launched and health checks have not started or health checks are suspended during an `UpdateEnvironment` or `RestartEnvironment` request.

Default: Grey

Type: String

Valid Values: Green | Yellow | Red | Grey

HealthStatus

Returns the health status of the application running in your environment. For more information, see [Health Colors and Statuses](#).

Type: String

Valid Values: NoData | Unknown | Pending | Ok | Info | Warning | Degraded | Severe | Suspended

PlatformArn

The ARN of the platform.

Type: String

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription \(p. 171\)](#) object

SolutionStackName

The name of the SolutionStack deployed with this environment.

Type: String

Status

The current operational status of the environment:

- **Launching:** Environment is in the process of initial deployment.
- **Updating:** Environment is in the process of updating its configuration settings or application version.
- **Ready:** Environment is available to have an action performed on it, such as update or terminate.
- **Terminating:** Environment is in the shut-down process.
- **Terminated:** Environment is not running.

Type: String

Valid Values: Launching | Updating | Ready | Terminating | Terminated

TemplateName

The name of the configuration template used to originally launch this environment.

Type: String

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

Tier

Describes the current tier of this environment.

Type: [EnvironmentTier \(p. 172\)](#) object

VersionLabel

The application version deployed in this environment.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

TooManyEnvironments

The specified account has reached its limit of environments.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&EnvironmentName=SampleApp
&SolutionStackName=32bit%20Amazon%20Linux%20running%20Tomcat%207
&Description=EnvDescrip
&Operation=CreateEnvironment
&AuthParams
```

Sample Response

```
<CreateEnvironmentResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <CreateEnvironmentResult>
    <VersionLabel>Version1</VersionLabel>
    <Status>Deploying</Status>
    <ApplicationName>SampleApp</ApplicationName>
    <Health>Grey</Health>
    <EnvironmentId>e-icsgecu3wf</EnvironmentId>
    <DateUpdated>2010-11-17T03:59:33.520Z</DateUpdated>
    <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>
    <Description>EnvDescrip</Description>
    <EnvironmentName>SampleApp</EnvironmentName>
    <DateCreated>2010-11-17T03:59:33.520Z</DateCreated>
  </CreateEnvironmentResult>
  <ResponseMetadata>
    <RequestId>15db925e-f1ff-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</CreateEnvironmentResponse>
```

See Also

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

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

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

CreatePlatformVersion

Create a new version of your custom platform.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

EnvironmentName

The name of the builder environment.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

OptionSettings.member.N

The configuration option settings to apply to the builder environment.

Type: Array of [ConfigurationOptionSetting](#) (p. 156) objects

Required: No

PlatformDefinitionBundle

The location of the platform definition archive in Amazon S3.

Type: [S3Location](#) (p. 203) object

Required: Yes

PlatformName

The name of your custom platform.

Type: String

Required: Yes

PlatformVersion

The number, such as 1.0.2, for the new platform version.

Type: String

Required: Yes

Response Elements

The following elements are returned by the service.

Builder

The builder used to create the custom platform.

Type: [Builder](#) (p. 152) object

PlatformSummary

Detailed information about the new version of the custom platform.

Type: [PlatformSummary](#) (p. 198) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

TooManyPlatforms

You have exceeded the maximum number of allowed platforms associated with the account.

HTTP Status Code: 400

See Also

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

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

CreateStorageLocation

Creates a bucket in Amazon S3 to store application versions, logs, and other files used by Elastic Beanstalk environments. The Elastic Beanstalk console and EB CLI call this API the first time you create an environment in a region. If the storage location already exists, `CreateStorageLocation` still returns the bucket name but does not create a new bucket.

Response Elements

The following element is returned by the service.

S3Bucket

The name of the Amazon S3 bucket created.

Type: String

Length Constraints: Maximum length of 255.

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

S3SubscriptionRequired

The specified account does not have a subscription to Amazon S3.

HTTP Status Code: 400

TooManyBuckets

The specified account has reached its limit of Amazon S3 buckets.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?Operation=CreateStorageLocation
&AuthParams
```

Sample Response

```
<CreateStorageLocationResponse xmlns="https://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
```

```
<CreateStorageLocationResult>
  <S3Bucket>elasticbeanstalk-us-east-1-780612358023</S3Bucket>
</CreateStorageLocationResult>
<ResponseMetadata>
  <RequestId>ef51b94a-f1d6-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</CreateStorageLocationResponse>
```

See Also

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

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

DeleteApplication

Deletes the specified application along with all associated versions and configurations. The application versions will not be deleted from your Amazon S3 bucket.

Note

You cannot delete an application that has a running environment.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

ApplicationName

The name of the application to delete.

Type: String

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

Required: Yes

TerminateEnvByForce

When set to true, running environments will be terminated before deleting the application.

Type: Boolean

Required: No

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

OperationInProgressFailure

Unable to perform the specified operation because another operation that effects an element in this activity is already in progress.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&Operation=DeleteApplication
&AuthParams
```

Sample Response

```
<DeleteApplicationResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
```

```
<ResponseMetadata>
  <RequestId>1f155abd-f1d7-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</DeleteApplicationResponse>
```

See Also

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

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

DeleteApplicationVersion

Deletes the specified version from the specified application.

Note

You cannot delete an application version that is associated with a running environment.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

ApplicationName

The name of the application to which the version belongs.

Type: String

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

Required: Yes

DeleteSourceBundle

Set to `true` to delete the source bundle from your storage bucket. Otherwise, the application version is deleted only from Elastic Beanstalk and the source bundle remains in Amazon S3.

Type: Boolean

Required: No

VersionLabel

The label of the version to delete.

Type: String

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

Required: Yes

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

OperationInProgressFailure

Unable to perform the specified operation because another operation that effects an element in this activity is already in progress.

HTTP Status Code: 400

S3LocationNotInServiceRegion

The specified S3 bucket does not belong to the S3 region in which the service is running. The following regions are supported:

- IAD/us-east-1
- PDX/us-west-2
- DUB/eu-west-1

HTTP Status Code: 400

SourceBundleDeletionFailure

Unable to delete the Amazon S3 source bundle associated with the application version. The application version was deleted successfully.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&VersionLabel=First%20Release
&Operation=DeleteApplicationVersion
&AuthParams
```

Sample Response

```
<DeleteApplicationVersionResponse xmlns="https://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
  <ResponseMetadata>
    <RequestId>58dc7339-f272-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</DeleteApplicationVersionResponse>
```

See Also

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

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

DeleteConfigurationTemplate

Deletes the specified configuration template.

Note

When you launch an environment using a configuration template, the environment gets a copy of the template. You can delete or modify the environment's copy of the template without affecting the running environment.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

ApplicationName

The name of the application to delete the configuration template from.

Type: String

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

Required: Yes

TemplateName

The name of the configuration template to delete.

Type: String

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

Required: Yes

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

OperationInProgressFailure

Unable to perform the specified operation because another operation that effects an element in this activity is already in progress.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&TemplateName=SampleAppTemplate
&Operation=DeleteConfigurationTemplate
&AuthParams
```

Sample Response

```
<DeleteConfigurationTemplateResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <ResponseMetadata>
    <RequestId>af9cf1b6-f25e-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</DeleteConfigurationTemplateResponse>
```

See Also

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

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

DeleteEnvironmentConfiguration

Deletes the draft configuration associated with the running environment.

Updating a running environment with any configuration changes creates a draft configuration set. You can get the draft configuration using [DescribeConfigurationSettings \(p. 63\)](#) while the update is in progress or if the update fails. The `DeploymentStatus` for the draft configuration indicates whether the deployment is in process or has failed. The draft configuration remains in existence until it is deleted with this action.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

ApplicationName

The name of the application the environment is associated with.

Type: String

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

Required: Yes

EnvironmentName

The name of the environment to delete the draft configuration from.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: Yes

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&EnvironmentName=SampleApp
&Operation=DeleteEnvironmentConfiguration
&AuthParams
```

Sample Response

```
<DeleteEnvironmentConfigurationResponse xmlns="https://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
  <ResponseMetadata>
    <RequestId>fdf76507-f26d-11df-8a78-9f77047e0d0c</RequestId>
```

```
</ResponseMetadata>  
</DeleteEnvironmentConfigurationResponse>
```

See Also

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

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

DeletePlatformVersion

Deletes the specified version of a custom platform.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

PlatformArn

The ARN of the version of the custom platform.

Type: String

Required: No

Response Elements

The following element is returned by the service.

PlatformSummary

Detailed information about the version of the custom platform.

Type: [PlatformSummary](#) (p. 198) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

OperationInProgressFailure

Unable to perform the specified operation because another operation that effects an element in this activity is already in progress.

HTTP Status Code: 400

PlatformVersionStillReferenced

You cannot delete the platform version because there are still environments running on it.

HTTP Status Code: 400

See Also

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

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

DescribeAccountAttributes

Returns attributes related to AWS Elastic Beanstalk that are associated with the calling AWS account.

The result currently has one set of attributes—resource quotas.

Response Elements

The following element is returned by the service.

ResourceQuotas

The Elastic Beanstalk resource quotas associated with the calling AWS account.

Type: [ResourceQuotas \(p. 202\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?Operation=DescribeAccountAttributes
&AuthParams
```

Sample Response

```
<DescribeAccountAttributesResponse xmlns="http://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <DescribeAccountAttributesResult>
    <ResourceQuotas>
      <ConfigurationTemplateQuota>
        <Maximum>2000</Maximum>
      </ConfigurationTemplateQuota>
      <ApplicationVersionQuota>
        <Maximum>1000</Maximum>
      </ApplicationVersionQuota>
      <CustomPlatformQuota>
        <Maximum>50</Maximum>
      </CustomPlatformQuota>
      <EnvironmentQuota>
        <Maximum>200</Maximum>
      </EnvironmentQuota>
      <ApplicationQuota>
        <Maximum>75</Maximum>
      </ApplicationQuota>
    </ResourceQuotas>
  </DescribeAccountAttributesResult>
</DescribeAccountAttributesResponse>
```



```
</ApplicationQuota>
</ResourceQuotas>
</DescribeAccountAttributesResult>
<ResponseMetadata>
  <RequestId>24fc4d65-1308-49e6-9b85-a0a8838f3b4b</RequestId>
</ResponseMetadata>
</DescribeAccountAttributesResponse>
```

See Also

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

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

DescribeApplications

Returns the descriptions of existing applications.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

ApplicationNames.member.N

If specified, AWS Elastic Beanstalk restricts the returned descriptions to only include those with the specified names.

Type: Array of strings

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

Required: No

Response Elements

The following element is returned by the service.

Applications.member.N

This parameter contains a list of [ApplicationDescription](#) (p. 142).

Type: Array of [ApplicationDescription](#) (p. 142) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?
ApplicationNames.member.1=SampleApplication
&Operation=DescribeApplications
&AuthParams
```

Sample Response

```
<DescribeApplicationsResponse xmlns="https://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
  <DescribeApplicationsResult>
    <Applications>
      <member>
        <Versions/>
```

```
<Description>Sample Description</Description>
<ApplicationName>SampleApplication</ApplicationName>
<DateCreated>2010-11-16T20:20:51.974Z</DateCreated>
<DateUpdated>2010-11-16T20:20:51.974Z</DateUpdated>
<ConfigurationTemplates>
  <member>Default</member>
</ConfigurationTemplates>
</member>
</Applications>
</DescribeApplicationsResult>
<ResponseMetadata>
  <RequestId>577c70ff-f1d7-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</DescribeApplicationsResponse>
```

See Also

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

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

DescribeApplicationVersions

Retrieve a list of application versions.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

ApplicationName

Specify an application name to show only application versions for that application.

Type: String

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

Required: No

MaxRecords

For a paginated request. Specify a maximum number of application versions to include in each response.

If no `MaxRecords` is specified, all available application versions are retrieved in a single response.

Type: Integer

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

Required: No

NextToken

For a paginated request. Specify a token from a previous response page to retrieve the next response page. All other parameter values must be identical to the ones specified in the initial request.

If no `NextToken` is specified, the first page is retrieved.

Type: String

Required: No

VersionLabels.member.N

Specify a version label to show a specific application version.

Type: Array of strings

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

Required: No

Response Elements

The following elements are returned by the service.

ApplicationVersions.member.N

List of `ApplicationVersionDescription` objects sorted in order of creation.

Type: Array of [ApplicationVersionDescription](#) (p. 146) objects

NextToken

In a paginated request, the token that you can pass in a subsequent request to get the next response page.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&Operation=DescribeApplicationVersions
&AuthParams
```

Sample Response

```
<DescribeApplicationVersionsResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <DescribeApplicationVersionsResult>
    <ApplicationVersions>
      <member>
        <SourceBundle>
          <S3Bucket>amazonaws.com</S3Bucket>
          <S3Key>sample.war</S3Key>
        </SourceBundle>
        <VersionLabel>Version1</VersionLabel>
        <Description>description</Description>
        <ApplicationName>SampleApp</ApplicationName>
        <DateCreated>2010-11-17T03:21:59.161Z</DateCreated>
        <DateUpdated>2010-11-17T03:21:59.161Z</DateUpdated>
      </member>
    </ApplicationVersions>
  </DescribeApplicationVersionsResult>
  <ResponseMetadata>
    <RequestId>773cd80a-f26c-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</DescribeApplicationVersionsResponse>
```

See Also

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

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

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

DescribeConfigurationOptions

Describes the configuration options that are used in a particular configuration template or environment, or that a specified solution stack defines. The description includes the values the options, their default values, and an indication of the required action on a running environment if an option value is changed.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

ApplicationName

The name of the application associated with the configuration template or environment. Only needed if you want to describe the configuration options associated with either the configuration template or environment.

Type: String

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

Required: No

EnvironmentName

The name of the environment whose configuration options you want to describe.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

Options.member.N

If specified, restricts the descriptions to only the specified options.

Type: Array of [OptionSpecification \(p. 191\)](#) objects

Required: No

PlatformArn

The ARN of the custom platform.

Type: String

Required: No

SolutionStackName

The name of the solution stack whose configuration options you want to describe.

Type: String

Required: No

TemplateName

The name of the configuration template whose configuration options you want to describe.

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

Options.member.N

A list of [ConfigurationOptionDescription](#) (p. 153).

Type: Array of [ConfigurationOptionDescription](#) (p. 153) objects

PlatformArn

The ARN of the platform.

Type: String

SolutionStackName

The name of the solution stack these configuration options belong to.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

TooManyBuckets

The specified account has reached its limit of Amazon S3 buckets.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&TemplateName=default
&Operation=DescribeConfigurationOptions
&AuthParams
```

Sample Response

```
<DescribeConfigurationOptionsResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <DescribeConfigurationOptionsResult>
    <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>
    <Options>
      <member>
        <UserDefined>>false</UserDefined>
```



```
<ChangeSeverity>RestartEnvironment</ChangeSeverity>
<MaxLength>2000</MaxLength>
<Name>ImageId</Name>
<ValueType>Scalar</ValueType>
<DefaultValue>ami-6036c009</DefaultValue>
<Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>Notification_Endpoint</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>PARAM4</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>JDBC_CONNECTION_STRING</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>SecurityGroups</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>elasticbeanstalk-default</DefaultValue>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>2</MinValue>
  <Name>UnhealthyThreshold</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>5</DefaultValue>
  <MaxValue>10</MaxValue>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <Name>InstanceType</Name>
  <ValueOptions>
    <member>t1.micro</member>
    <member>m1.small</member>
  </ValueOptions>
  <ValueType>Scalar</ValueType>
  <DefaultValue>t1.micro</DefaultValue>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
</member>
```

```
<UserDefined>false</UserDefined>
<ChangeSeverity>NoInterruption</ChangeSeverity>
<Name>Statistic</Name>
<ValueOptions>
  <member>Minimum</member>
  <member>Maximum</member>
  <member>Sum</member>
  <member>Average</member>
</ValueOptions>
<ValueType>Scalar</ValueType>
<DefaultValue>Average</DefaultValue>
<Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <Name>LoadBalancerHTTPSPort</Name>
  <ValueOptions>
    <member>OFF</member>
    <member>443</member>
    <member>8443</member>
    <member>5443</member>
  </ValueOptions>
  <ValueType>Scalar</ValueType>
  <DefaultValue>OFF</DefaultValue>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>0</MinValue>
  <Name>Stickiness Cookie Expiration</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>0</DefaultValue>
  <MaxValue>1000000</MaxValue>
  <Namespace>aws:elb:policies</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>PARAM5</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <Name>MeasureName</Name>
  <ValueOptions>
    <member>CPUUtilization</member>
    <member>NetworkIn</member>
    <member>NetworkOut</member>
    <member>DiskWriteOps</member>
    <member>DiskReadBytes</member>
    <member>DiskReadOps</member>
    <member>DiskWriteBytes</member>
    <member>Latency</member>
    <member>RequestCount</member>
    <member>HealthyHostCount</member>
    <member>UnhealthyHostCount</member>
  </ValueOptions>
  <ValueType>Scalar</ValueType>
  <DefaultValue>NetworkOut</DefaultValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
```

```
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>5</MinValue>
  <Name>Interval</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>30</DefaultValue>
  <MaxValue>300</MaxValue>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>Application Healthcheck URL</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>/</DefaultValue>
  <Namespace>aws:elasticbeanstalk:application</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>Notification Topic ARN</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>/</DefaultValue>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>LowerBreachScaleIncrement</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>-1</DefaultValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Regex>
    <Pattern>^\S*$</Pattern>
    <Label>nospaces</Label>
  </Regex>
  <Name>XX:MaxPermSize</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>64m</DefaultValue>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>UpperBreachScaleIncrement</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>1</DefaultValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>1</MinValue>
  <Name>MinSize</Name>
  <ValueType>Scalar</ValueType>
```

```
<DefaultValue>1</DefaultValue>
<MaxValue>10000</MaxValue>
<Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <Name>Custom Availability Zones</Name>
  <ValueOptions>
    <member>us-east-1a</member>
    <member>us-east-1b</member>
    <member>us-east-1c</member>
    <member>us-east-1d</member>
  </ValueOptions>
  <ValueType>List</ValueType>
  <DefaultValue>us-east-1a</DefaultValue>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <Name>Availability Zones</Name>
  <ValueOptions>
    <member>Any 1</member>
    <member>Any 2</member>
  </ValueOptions>
  <ValueType>Scalar</ValueType>
  <DefaultValue>Any 1</DefaultValue>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <Name>LogPublicationControl</Name>
  <ValueType>Boolean</ValueType>
  <DefaultValue>false</DefaultValue>
  <Namespace>aws:elasticbeanstalk:hostmanager</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>JVM Options</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>Notification Topic Name</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>PARAM2</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
</member>
```

```
<UserDefined>false</UserDefined>
<ChangeSeverity>RestartEnvironment</ChangeSeverity>
<Name>LoadBalancerHTTPPort</Name>
<ValueOptions>
  <member>OFF</member>
  <member>80</member>
  <member>8080</member>
</ValueOptions>
<ValueType>Scalar</ValueType>
<DefaultValue>80</DefaultValue>
<Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>2</MinValue>
  <Name>Timeout</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>5</DefaultValue>
  <MaxValue>60</MaxValue>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>1</MinValue>
  <Name>BreachDuration</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>2</DefaultValue>
  <MaxValue>600</MaxValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <Name>MonitoringInterval</Name>
  <ValueOptions>
    <member>1 minute</member>
    <member>5 minute</member>
  </ValueOptions>
  <ValueType>Scalar</ValueType>
  <DefaultValue>5 minute</DefaultValue>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>PARAM1</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>1</MinValue>
  <Name>MaxSize</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>4</DefaultValue>
  <MaxValue>10000</MaxValue>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
```

```
<MinValue>0</MinValue>
<Name>LowerThreshold</Name>
<ValueType>Scalar</ValueType>
<DefaultValue>2000000</DefaultValue>
<MaxValue>20000000</MaxValue>
<Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>AWS_SECRET_KEY</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>AWS_ACCESS_KEY_ID</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>0</MinValue>
  <Name>UpperThreshold</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>6000000</DefaultValue>
  <MaxValue>20000000</MaxValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <Name>Notification Protocol</Name>
  <ValueOptions>
    <member>http</member>
    <member>https</member>
    <member>email</member>
    <member>email-json</member>
    <member>sqs</member>
  </ValueOptions>
  <ValueType>Scalar</ValueType>
  <DefaultValue>email</DefaultValue>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <Name>Unit</Name>
  <ValueOptions>
    <member>Seconds</member>
    <member>Percent</member>
    <member>Bytes</member>
    <member>Bits</member>
    <member>Count</member>
    <member>Bytes/Second</member>
    <member>Bits/Second</member>
    <member>Count/Second</member>
    <member>None</member>
  </ValueOptions>
  <ValueType>Scalar</ValueType>
```

```
<DefaultValue>Bytes</DefaultValue>
<Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Regex>
    <Pattern>^\S*$</Pattern>
    <Label>nospaces</Label>
  </Regex>
  <Name>Xmx</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>256m</DefaultValue>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>0</MinValue>
  <Name>Cooldown</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>360</DefaultValue>
  <MaxValue>10000</MaxValue>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>1</MinValue>
  <Name>Period</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>1</DefaultValue>
  <MaxValue>600</MaxValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Regex>
    <Pattern>^\S*$</Pattern>
    <Label>nospaces</Label>
  </Regex>
  <Name>Xms</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>256m</DefaultValue>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>EC2KeyName</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <Name>Stickiness Policy</Name>
  <ValueType>Boolean</ValueType>
  <DefaultValue>false</DefaultValue>
  <Namespace>aws:elb:policies</Namespace>
</member>
```

```
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>PARAM3</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>2</MinValue>
  <Name>HealthyThreshold</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>3</DefaultValue>
  <MaxValue>10</MaxValue>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>SSLCertificateId</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
</Options>
</DescribeConfigurationOptionsResult>
<ResponseMetadata>
  <RequestId>e8768900-f272-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</DescribeConfigurationOptionsResponse>
```

See Also

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

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

DescribeConfigurationSettings

Returns a description of the settings for the specified configuration set, that is, either a configuration template or the configuration set associated with a running environment.

When describing the settings for the configuration set associated with a running environment, it is possible to receive two sets of setting descriptions. One is the deployed configuration set, and the other is a draft configuration of an environment that is either in the process of deployment or that failed to deploy.

Related Topics

- [DeleteEnvironmentConfiguration](#) (p. 42)

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

ApplicationName

The application for the environment or configuration template.

Type: String

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

Required: Yes

EnvironmentName

The name of the environment to describe.

Condition: You must specify either this or a `TemplateName`, but not both. If you specify both, AWS Elastic Beanstalk returns an `InvalidParameterCombination` error. If you do not specify either, AWS Elastic Beanstalk returns a `MissingRequiredParameter` error.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

TemplateName

The name of the configuration template to describe.

Conditional: You must specify either this parameter or an `EnvironmentName`, but not both. If you specify both, AWS Elastic Beanstalk returns an `InvalidParameterCombination` error. If you do not specify either, AWS Elastic Beanstalk returns a `MissingRequiredParameter` error.

Type: String

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

Required: No

Response Elements

The following element is returned by the service.

ConfigurationSettings.member.N

A list of [ConfigurationSettingsDescription](#) (p. 157).

Type: Array of [ConfigurationSettingsDescription](#) (p. 157) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

TooManyBuckets

The specified account has reached its limit of Amazon S3 buckets.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&TemplateName=default
&Operation=DescribeConfigurationSettings
&AuthParams
```

Sample Response

```
<DescribeConfigurationSettingsResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <DescribeConfigurationSettingsResult>
    <ConfigurationSettings>
      <member>
        <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>
        <OptionSettings>
          <member>
            <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>
            <OptionSettings>
              <member>
                <OptionName>ImageId</OptionName>
                <Value>ami-f2f0069b</Value>
                <Namespace>aws:autoscaling:launchconfiguration</Namespace>
              </member>
              <member>
                <OptionName>Notification Endpoint</OptionName>
                <Value/>
                <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
              </member>
              <member>
                <OptionName>PARAM4</OptionName>
                <Value/>
                <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
              </member>
              <member>
                <OptionName>JDBC_CONNECTION_STRING</OptionName>
                <Value/>
                <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
              </member>
            </OptionSettings>
          </member>
        </OptionSettings>
      </member>
    </ConfigurationSettings>
  </DescribeConfigurationSettingsResult>
</DescribeConfigurationSettingsResponse>
```

```
</member>
<member>
  <OptionName>SecurityGroups</OptionName>
  <Value>elasticbeanstalk-default</Value>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>UnhealthyThreshold</OptionName>
  <Value>5</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>InstanceType</OptionName>
  <Value>t1.micro</Value>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>Statistic</OptionName>
  <Value>Average</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>LoadBalancerHTTPSPort</OptionName>
  <Value>OFF</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <OptionName>Stickiness Cookie Expiration</OptionName>
  <Value>0</Value>
  <Namespace>aws:elb:policies</Namespace>
</member>
<member>
  <OptionName>PARAM5</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>MeasureName</OptionName>
  <Value>NetworkOut</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Interval</OptionName>
  <Value>30</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>Application Healthcheck URL</OptionName>
  <Value>/</Value>
  <Namespace>aws:elasticbeanstalk:application</Namespace>
</member>
<member>
  <OptionName>Notification Topic ARN</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>LowerBreachScaleIncrement</OptionName>
  <Value>-1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>XX:MaxPermSize</OptionName>
  <Value>64m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
```

```
<member>
  <OptionName>UpperBreachScaleIncrement</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>MinSize</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>Custom Availability Zones</OptionName>
  <Value>us-east-1a</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>Availability Zones</OptionName>
  <Value>Any 1</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>LogPublicationControl</OptionName>
  <Value>>false</Value>
  <Namespace>aws:elasticbeanstalk:hostmanager</Namespace>
</member>
<member>
  <OptionName>JVM Options</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <OptionName>Notification Topic Name</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>PARAM2</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>LoadBalancerHTTPPort</OptionName>
  <Value>80</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <OptionName>Timeout</OptionName>
  <Value>5</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>BreachDuration</OptionName>
  <Value>2</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>MonitoringInterval</OptionName>
  <Value>5 minute</Value>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>PARAM1</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
</member>
```

```
<OptionName>MaxSize</OptionName>
<Value>4</Value>
<Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>LowerThreshold</OptionName>
  <Value>2000000</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>AWS_SECRET_KEY</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>AWS_ACCESS_KEY_ID</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>UpperThreshold</OptionName>
  <Value>6000000</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Notification Protocol</OptionName>
  <Value>email</Value>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>Unit</OptionName>
  <Value>Bytes</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Xmx</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <OptionName>Cooldown</OptionName>
  <Value>360</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>Period</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Xms</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <OptionName>EC2KeyName</OptionName>
  <Value/>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>Stickiness Policy</OptionName>
  <Value>false</Value>
  <Namespace>aws:elb:policies</Namespace>
</member>
<member>
  <OptionName>PARAM3</OptionName>
```

```
<Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>HealthyThreshold</OptionName>
  <Value>3</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>SSLCertificateId</OptionName>
  <Value/>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
</OptionSettings>
<Description>Default Configuration Template</Description>
<ApplicationName>SampleApp</ApplicationName>
<DateCreated>2010-11-17T03:20:17.832Z</DateCreated>
<TemplateName>Default</TemplateName>
<DateUpdated>2010-11-17T03:20:17.832Z</DateUpdated>
</member>
</ConfigurationSettings>
</DescribeConfigurationSettingsResult>
<ResponseMetadata>
  <RequestId>4bde8884-f273-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</DescribeConfigurationSettingsResponse>
```

See Also

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

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

DescribeEnvironmentHealth

Returns information about the overall health of the specified environment. The **DescribeEnvironmentHealth** operation is only available with AWS Elastic Beanstalk Enhanced Health.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

AttributeNames.member.N

Specify the response elements to return. To retrieve all attributes, set to `All`. If no attribute names are specified, returns the name of the environment.

Type: Array of strings

Valid Values: `Status` | `Color` | `Causes` | `ApplicationMetrics` | `InstancesHealth` | `All` | `HealthStatus` | `RefreshedAt`

Required: No

EnvironmentId

Specify the environment by ID.

You must specify either this or an `EnvironmentName`, or both.

Type: String

Required: No

EnvironmentName

Specify the environment by name.

You must specify either this or an `EnvironmentId`, or both.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

Response Elements

The following elements are returned by the service.

ApplicationMetrics

Application request metrics for the environment.

Type: [ApplicationMetrics \(p. 144\)](#) object

Causes.member.N

Descriptions of the data that contributed to the environment's current health status.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Color

The [health color](#) of the environment.

Type: String

EnvironmentName

The environment's name.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

HealthStatus

The [health status](#) of the environment. For example, `Ok`.

Type: String

InstancesHealth

Summary health information for the instances in the environment.

Type: [InstanceHealthSummary](#) (p. 176) object

RefreshedAt

The date and time that the health information was retrieved.

Type: Timestamp

Status

The environment's operational status. `Ready`, `Launching`, `Updating`, `Terminating`, or `Terminated`.

Type: String

Valid Values: `Green` | `Yellow` | `Red` | `Grey`

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InvalidRequest

One or more input parameters is not valid. Please correct the input parameters and try the operation again.

HTTP Status Code: 400

Examples

Request a single environment health attribute

<code>DescribeEnvironmentHealth</code>
--


```
{ "EnvironmentName": "test-1", "AttributeNames": [ "HealthStatus" ] }

<DescribeEnvironmentHealthResponse xmlns='http://elasticbeanstalk.amazonaws.com/docs/2010-12-01/'>
  <DescribeEnvironmentHealthResult>
    <HealthStatus>Degraded</HealthStatus>
    <EnvironmentName>test-1</EnvironmentName>
  </DescribeEnvironmentHealthResult>
  <ResponseMetadata>
    <RequestId>93ab63d3-3a47-11e5-94eb-3d0f44fb8967</RequestId>
  </ResponseMetadata>
</DescribeEnvironmentHealthResponse>
```

Request all environment health attributes

```
DescribeEnvironmentHealth
{ "EnvironmentName": "test-1", "AttributeNames": [ "All" ] }

<DescribeEnvironmentHealthResponse xmlns='http://elasticbeanstalk.amazonaws.com/docs/2010-12-01/'>
  <DescribeEnvironmentHealthResult>
    <HealthStatus>Degraded</HealthStatus>
    <Color>Red</Color>
    <Status>Ready</Status>
    <EnvironmentName>test-1</EnvironmentName>
    <ApplicationMetrics>
      <Duration>10</Duration>
      <StatusCodes>
        <Status5xx>843</Status5xx>
        <Status4xx>0</Status4xx>
        <Status3xx>0</Status3xx>
        <Status2xx>3391</Status2xx>
      </StatusCodes>
      <Latency>
        <P90>0.002</P90>
        <P999>1.367</P999>
        <P99>0.003</P99>
        <P85>0.002</P85>
        <P50>0.001</P50>
        <P75>0.001</P75>
        <P95>0.002</P95>
        <P10>0.0</P10>
      </Latency>
      <RequestCount>4234</RequestCount>
    </ApplicationMetrics>
    <RefreshedAt>2015-08-04T01:24:34Z</RefreshedAt>
    <Causes>
      <member>19.9 % of the requests are failing with HTTP 5xx.</member>
      <member>1 instance online is below Auto Scaling group minimum size 2.</member>
    </Causes>
    <InstancesHealth>
      <Degraded>1</Degraded>
      <Pending>0</Pending>
      <Ok>0</Ok>
      <NoData>0</NoData>
      <Unknown>0</Unknown>
      <Severe>0</Severe>
      <Warning>0</Warning>
      <Info>0</Info>
    </InstancesHealth>
  </DescribeEnvironmentHealthResult>
  <ResponseMetadata>
    <RequestId>9460aa20-3a47-11e5-91c3-1f9989a744d4</RequestId>
  </ResponseMetadata>
```

```
</DescribeEnvironmentHealthResponse>
```

See Also

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

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

DescribeEnvironmentManagedActionHistory

Lists an environment's completed and failed managed actions.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

EnvironmentId

The environment ID of the target environment.

Type: String

Required: No

EnvironmentName

The name of the target environment.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

MaxItems

The maximum number of items to return for a single request.

Type: Integer

Required: No

NextToken

The pagination token returned by a previous request.

Type: String

Required: No

Response Elements

The following elements are returned by the service.

ManagedActionHistoryItems.member.N

A list of completed and failed managed actions.

Type: Array of [ManagedActionHistoryItem](#) (p. 186) objects

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

NextToken

A pagination token that you pass to [DescribeEnvironmentManagedActionHistory](#) (p. 73) to get the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

See Also

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

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

DescribeEnvironmentManagedActions

Lists an environment's upcoming and in-progress managed actions.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

EnvironmentId

The environment ID of the target environment.

Type: String

Required: No

EnvironmentName

The name of the target environment.

Type: String

Required: No

Status

To show only actions with a particular status, specify a status.

Type: String

Valid Values: `Scheduled` | `Pending` | `Running` | `Unknown`

Required: No

Response Elements

The following element is returned by the service.

ManagedActions.member.N

A list of upcoming and in-progress managed actions.

Type: Array of [ManagedAction](#) (p. 184) objects

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

See Also

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

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

DescribeEnvironmentResources

Returns AWS resources for this environment.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

EnvironmentId

The ID of the environment to retrieve AWS resource usage data.

Condition: You must specify either this or an EnvironmentName, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Required: No

EnvironmentName

The name of the environment to retrieve AWS resource usage data.

Condition: You must specify either this or an EnvironmentId, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

Response Elements

The following element is returned by the service.

EnvironmentResources

A list of [EnvironmentResourceDescription](#) (p. 169).

Type: [EnvironmentResourceDescription](#) (p. 169) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?EnvironmentId=e-hc8mvnayrx
&EnvironmentName=SampleAppVersion
&Operation=DescribeEnvironmentResources
&AuthParams
```

Sample Response

```
<DescribeEnvironmentResourcesResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <DescribeEnvironmentResourcesResult>
    <EnvironmentResources>
      <LoadBalancers>
        <member>
          <Name>elasticbeanstalk-SampleAppVersion</Name>
        </member>
      </LoadBalancers>
      <LaunchConfigurations>
        <member>
          <Name>elasticbeanstalk-SampleAppVersion-hbAc8cSZH7</Name>
        </member>
      </LaunchConfigurations>
      <AutoScalingGroups>
        <member>
          <Name>elasticbeanstalk-SampleAppVersion-us-east-1c</Name>
        </member>
      </AutoScalingGroups>
      <EnvironmentName>SampleAppVersion</EnvironmentName>
      <Triggers>
        <member>
          <Name>elasticbeanstalk-SampleAppVersion-us-east-1c</Name>
        </member>
      </Triggers>
      <Instances/>
    </EnvironmentResources>
  </DescribeEnvironmentResourcesResult>
  <ResponseMetadata>
    <RequestId>elcb7b96-f287-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</DescribeEnvironmentResourcesResponse>
```

See Also

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

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

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

DescribeEnvironments

Returns descriptions for existing environments.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

ApplicationName

If specified, AWS Elastic Beanstalk restricts the returned descriptions to include only those that are associated with this application.

Type: String

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

Required: No

EnvironmentIds.member.N

If specified, AWS Elastic Beanstalk restricts the returned descriptions to include only those that have the specified IDs.

Type: Array of strings

Required: No

EnvironmentNames.member.N

If specified, AWS Elastic Beanstalk restricts the returned descriptions to include only those that have the specified names.

Type: Array of strings

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

IncludedDeletedBackTo

If specified when `IncludeDeleted` is set to `true`, then environments deleted after this date are displayed.

Type: Timestamp

Required: No

IncludeDeleted

Indicates whether to include deleted environments:

`true`: Environments that have been deleted after `IncludedDeletedBackTo` are displayed.

`false`: Do not include deleted environments.

Type: Boolean

Required: No

MaxRecords

For a paginated request. Specify a maximum number of environments to include in each response.

If no `MaxRecords` is specified, all available environments are retrieved in a single response.

Type: Integer

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

Required: No

NextToken

For a paginated request. Specify a token from a previous response page to retrieve the next response page. All other parameter values must be identical to the ones specified in the initial request.

If no `NextToken` is specified, the first page is retrieved.

Type: String

Required: No

VersionLabel

If specified, AWS Elastic Beanstalk restricts the returned descriptions to include only those that are associated with this application version.

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

Environments.member.N

Returns an [EnvironmentDescription \(p. 163\)](#) list.

Type: Array of [EnvironmentDescription \(p. 163\)](#) objects

NextToken

In a paginated request, the token that you can pass in a subsequent request to get the next response page.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&IncludeDeleted=true
&IncludedDeletedBackTo=2008-11-05T06%3A00%3A00Z
```

```
&Operation=DescribeEnvironments  
&AuthParams
```

Sample Response

```
<DescribeEnvironmentsResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">  
  <DescribeEnvironmentsResult>  
    <Environments>  
      <member>  
        <VersionLabel>Version1</VersionLabel>  
        <Status>Available</Status>  
        <ApplicationName>SampleApp</ApplicationName>  
        <EndpointURL>elasticbeanstalk-SampleApp-1394386994.us-east-1.elb.amazonaws.com</  
EndpointURL>  
        <CNAME>SampleApp-jxb293wg7n.elasticbeanstalk.amazonaws.com</CNAME>  
        <Health>Green</Health>  
        <EnvironmentId>e-icsgecu3wf</EnvironmentId>  
        <DateUpdated>2010-11-17T04:01:40.668Z</DateUpdated>  
        <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>  
        <Description>EnvDescrip</Description>  
        <EnvironmentName>SampleApp</EnvironmentName>  
        <DateCreated>2010-11-17T03:59:33.520Z</DateCreated>  
      </member>  
    </Environments>  
  </DescribeEnvironmentsResult>  
  <ResponseMetadata>  
    <RequestId>44790c68-f260-11df-8a78-9f77047e0d0c</RequestId>  
  </ResponseMetadata>  
</DescribeEnvironmentsResponse>
```

See Also

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

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

DescribeEvents

Returns list of event descriptions matching criteria up to the last 6 weeks.

Note

This action returns the most recent 1,000 events from the specified `NextToken`.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

ApplicationName

If specified, AWS Elastic Beanstalk restricts the returned descriptions to include only those associated with this application.

Type: String

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

Required: No

EndTime

If specified, AWS Elastic Beanstalk restricts the returned descriptions to those that occur up to, but not including, the `EndTime`.

Type: Timestamp

Required: No

EnvironmentId

If specified, AWS Elastic Beanstalk restricts the returned descriptions to those associated with this environment.

Type: String

Required: No

EnvironmentName

If specified, AWS Elastic Beanstalk restricts the returned descriptions to those associated with this environment.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

MaxRecords

Specifies the maximum number of events that can be returned, beginning with the most recent event.

Type: Integer

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

Required: No

NextToken

Pagination token. If specified, the events return the next batch of results.

Type: String

Required: No

PlatformArn

The ARN of the version of the custom platform.

Type: String

Required: No

RequestId

If specified, AWS Elastic Beanstalk restricts the described events to include only those associated with this request ID.

Type: String

Required: No

Severity

If specified, limits the events returned from this call to include only those with the specified severity or higher.

Type: String

Valid Values: `TRACE` | `DEBUG` | `INFO` | `WARN` | `ERROR` | `FATAL`

Required: No

StartTime

If specified, AWS Elastic Beanstalk restricts the returned descriptions to those that occur on or after this time.

Type: Timestamp

Required: No

TemplateName

If specified, AWS Elastic Beanstalk restricts the returned descriptions to those that are associated with this environment configuration.

Type: String

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

Required: No

VersionLabel

If specified, AWS Elastic Beanstalk restricts the returned descriptions to those associated with this application version.

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

Events.member.N

A list of [EventDescription](#) (p. 173).

Type: Array of [EventDescription](#) (p. 173) objects

NextToken

If returned, this indicates that there are more results to obtain. Use this token in the next [DescribeEvents](#) (p. 83) call to get the next batch of events.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&Severity=TRACE
&StartTime=2010-11-17T10%3A26%3A40Z
&Operation=DescribeEvents
&AuthParams
```

Sample Response

```
<DescribeEventsResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <DescribeEventsResult>
    <Events>
      <member>
        <Message>Successfully completed createEnvironment activity.</Message>
        <EventDate>2010-11-17T20:25:35.191Z</EventDate>
        <VersionLabel>New Version</VersionLabel>
        <RequestId>bb01fa74-f287-11df-8a78-9f77047e0d0c</RequestId>
        <ApplicationName>SampleApp</ApplicationName>
        <EnvironmentName>SampleAppVersion</EnvironmentName>
        <Severity>INFO</Severity>
      </member>
      <member>
        <Message>Launching a new EC2 instance: i-04a8c569</Message>
        <EventDate>2010-11-17T20:21:30Z</EventDate>
        <VersionLabel>New Version</VersionLabel>
        <ApplicationName>SampleApp</ApplicationName>
        <EnvironmentName>SampleAppVersion</EnvironmentName>
        <Severity>DEBUG</Severity>
      </member>
    </Events>
  </DescribeEventsResult>
</DescribeEventsResponse>
```

```
<Message>At least one EC2 instance has entered the InService lifecycle state.</
Message>
  <EventDate>2010-11-17T20:20:32.008Z</EventDate>
  <VersionLabel>New Version</VersionLabel>
  <RequestId>bb01fa74-f287-11df-8a78-9f77047e0d0c</RequestId>
  <ApplicationName>SampleApp</ApplicationName>
  <EnvironmentName>SampleAppVersion</EnvironmentName>
  <Severity>INFO</Severity>
</member>
<member>
  <Message>Elastic Load Balancer elasticbeanstalk-SampleAppVersion has failed 0
healthy instances - Environment may not be available.</Message>
  <EventDate>2010-11-17T20:19:28Z</EventDate>
  <VersionLabel>New Version</VersionLabel>
  <ApplicationName>SampleApp</ApplicationName>
  <EnvironmentName>SampleAppVersion</EnvironmentName>
  <Severity>WARN</Severity>
</member>
</Events>
</DescribeEventsResult>
<ResponseMetadata>
  <RequestId>f10d02dd-f288-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</DescribeEventsResponse>
```

See Also

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

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

DescribeInstancesHealth

Retrieves detailed information about the health of instances in your AWS Elastic Beanstalk. This operation requires [enhanced health reporting](#).

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

AttributeNames.member.N

Specifies the response elements you wish to receive. To retrieve all attributes, set to `All`. If no attribute names are specified, returns a list of instances.

Type: Array of strings

Valid Values: `HealthStatus` | `Color` | `Causes` | `ApplicationMetrics` | `RefreshedAt` | `LaunchedAt` | `System` | `Deployment` | `AvailabilityZone` | `InstanceType` | `All`

Required: No

EnvironmentId

Specify the AWS Elastic Beanstalk environment by ID.

Type: String

Required: No

EnvironmentName

Specify the AWS Elastic Beanstalk environment by name.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

NextToken

Specify the pagination token returned by a previous call.

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

InstanceHealthList.member.N

Detailed health information about each instance.

The output differs slightly between Linux and Windows environments. There is a difference in the members that are supported under the `<CPUUtilization>` type.

Type: Array of [SingleInstanceHealth](#) (p. 204) objects

NextToken

Pagination token for the next page of results, if available.

Type: String

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

RefreshedAt

The date and time that the health information was retrieved.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InvalidRequest

One or more input parameters is not valid. Please correct the input parameters and try the operation again.

HTTP Status Code: 400

Examples

Request a single instance health attribute

```
DescribeInstancesHealth
{"EnvironmentName":"test-1","AttributeNames":["HealthStatus"]}

<DescribeInstancesHealthResponse xmlns='http://elasticbeanstalk.amazonaws.com/docs/2010-12-01/'>
  <DescribeInstancesHealthResult>
    <InstanceHealthList>
      <member>
        <HealthStatus>Degraded</HealthStatus>
        <InstanceId>i-dc6ee922</InstanceId>
      </member>
    </InstanceHealthList>
  </DescribeInstancesHealthResult>
  <ResponseMetadata>
    <RequestId>94808e26-3a47-11e5-94eb-3d0f44fb8967</RequestId>
  </ResponseMetadata>
</DescribeInstancesHealthResponse>
```

Request all instance health attributes for a Linux environment

This example shows the output for a Linux environment.

```
DescribeInstancesHealth
{"EnvironmentName":"test-1","AttributeNames":["All"]}
```

```
<DescribeInstancesHealthResponse xmlns='http://elasticbeanstalk.amazonaws.com/docs/2010-12-01/'>
  <DescribeInstancesHealthResult>
    <InstanceHealthList>
      <member>
        <HealthStatus>Degraded</HealthStatus>
        <System>
          <CPUUtilization>
            <Idle>6.9</Idle>
            <System>46.2</System>
            <Privileged>null</Privileged>
            <SoftIRQ>0.6</SoftIRQ>
            <Nice>0.0</Nice>
            <IOWait>0.1</IOWait>
            <User>46.2</User>
            <IRQ>0.0</IRQ>
          </CPUUtilization>
          <LoadAverage>
            <member>3.81</member>
            <member>2.11</member>
            <member>0.93</member>
          </LoadAverage>
        </System>
        <LaunchedAt>2015-07-17T07:58:58Z</LaunchedAt>
        <Color>Red</Color>
        <InstanceId>i-dc6ee922</InstanceId>
        <ApplicationMetrics>
          <Duration>10</Duration>
          <StatusCodes>
            <Status5xx>843</Status5xx>
            <Status4xx>0</Status4xx>
            <Status3xx>0</Status3xx>
            <Status2xx>3391</Status2xx>
          </StatusCodes>
          <Latency>
            <P90>0.002</P90>
            <P999>1.367</P999>
            <P99>0.003</P99>
            <P85>0.002</P85>
            <P50>0.001</P50>
            <P75>0.001</P75>
            <P95>0.002</P95>
            <P10>0.0</P10>
          </Latency>
          <RequestCount>4234</RequestCount>
        </ApplicationMetrics>
        <Causes>
          <member>19.9 % of the requests are failing with HTTP 5xx.</member>
          <member>93 % of CPU is in use.</member>
        </Causes>
      </member>
    </InstanceHealthList>
    <RefreshedAt>2015-08-04T01:24:34Z</RefreshedAt>
  </DescribeInstancesHealthResult>
  <ResponseMetadata>
    <RequestId>94a07242-3a47-11e5-91c3-1f9989a744d4</RequestId>
  </ResponseMetadata>
</DescribeInstancesHealthResponse>
```

Request all instance health attributes for a Windows environment

In a Windows environment, there are different supported members in the <CPUUtilization> type:

```
...
  <CPUUtilization>
    <Idle>9.6</Idle>
    <System>null</System>
    <Privileged>45.2</Privileged>
    <SoftIRQ>null</SoftIRQ>
    <Nice>null</Nice>
    <IOWait>null</IOWait>
    <User>45.2</User>
    <IRQ>null</IRQ>
  </CPUUtilization>
...
```

See Also

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

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

DescribePlatformVersion

Describes the version of the platform.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

PlatformArn

The ARN of the version of the platform.

Type: String

Required: No

Response Elements

The following element is returned by the service.

PlatformDescription

Detailed information about the version of the platform.

Type: [PlatformDescription](#) (p. 192) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

See Also

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

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

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

ListAvailableSolutionStacks

Returns a list of the available solution stack names, with the public version first and then in reverse chronological order.

Response Elements

The following elements are returned by the service.

SolutionStackDetails.member.N

A list of available solution stacks and their [SolutionStackDescription](#) (p. 206).

Type: Array of [SolutionStackDescription](#) (p. 206) objects

SolutionStacks.member.N

A list of available solution stacks.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?Operation=ListAvailableSolutionStacks
&AuthParams
```

Sample Response

```
<ListAvailableSolutionStacksResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <ListAvailableSolutionStacksResult>
    <SolutionStacks>
      <member>64bit Amazon Linux running Tomcat 6</member>
      <member>32bit Amazon Linux running Tomcat 6</member>
      <member>64bit Amazon Linux running Tomcat 7</member>
      <member>32bit Amazon Linux running Tomcat 7</member>
    </SolutionStacks>
  </ListAvailableSolutionStacksResult>
  <ResponseMetadata>
    <RequestId>f21e2a92-f1fc-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</ListAvailableSolutionStacksResponse>
```

See Also

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

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

ListPlatformVersions

Lists the available platforms.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

Filters.member.N

List only the platforms where the platform member value relates to one of the supplied values.

Type: Array of [PlatformFilter](#) (p. 195) objects

Required: No

MaxRecords

The maximum number of platform values returned in one call.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

NextToken

The starting index into the remaining list of platforms. Use the `NextToken` value from a previous `ListPlatformVersion` call.

Type: String

Required: No

Response Elements

The following elements are returned by the service.

NextToken

The starting index into the remaining list of platforms. If this value is not `null`, you can use it in a subsequent `ListPlatformVersion` call.

Type: String

PlatformSummaryList.member.N

Detailed information about the platforms.

Type: Array of [PlatformSummary](#) (p. 198) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

See Also

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

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

ListTagsForResource

Returns the tags applied to an AWS Elastic Beanstalk resource. The response contains a list of tag key-value pairs.

Currently, Elastic Beanstalk only supports tagging of Elastic Beanstalk environments. For details about environment tagging, see [Tagging Resources in Your Elastic Beanstalk Environment](#).

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

ResourceArn

The Amazon Resource Name (ARN) of the resource for which a tag list is requested.

Must be the ARN of an Elastic Beanstalk environment.

Type: String

Required: Yes

Response Elements

The following elements are returned by the service.

ResourceArn

The Amazon Resource Name (ARN) of the resource for which a tag list was requested.

Type: String

ResourceTags.member.N

A list of tag key-value pairs.

Type: Array of [Tag \(p. 212\)](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

ResourceNotFound

A resource doesn't exist for the specified Amazon Resource Name (ARN).

HTTP Status Code: 400

ResourceTypeNotSupported

The type of the specified Amazon Resource Name (ARN) isn't supported for this operation.

HTTP Status Code: 400

See Also

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

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

RebuildEnvironment

Deletes and recreates all of the AWS resources (for example: the Auto Scaling group, load balancer, etc.) for a specified environment and forces a restart.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

EnvironmentId

The ID of the environment to rebuild.

Condition: You must specify either this or an EnvironmentName, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Required: No

EnvironmentName

The name of the environment to rebuild.

Condition: You must specify either this or an EnvironmentId, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?EnvironmentId=e-hc8mvnayrx
&EnvironmentName=SampleAppVersion
&Operation=RebuildEnvironment
&AuthParams
```

Sample Response

```
<RebuildEnvironmentResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <ResponseMetadata>
    <RequestId>a7d6606e-f289-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</RebuildEnvironmentResponse>
```

See Also

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

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

RequestEnvironmentInfo

Initiates a request to compile the specified type of information of the deployed environment.

Setting the `InfoType` to `tail` compiles the last lines from the application server log files of every Amazon EC2 instance in your environment.

Setting the `InfoType` to `bundle` compresses the application server log files for every Amazon EC2 instance into a `.zip` file. Legacy and `.NET` containers do not support bundle logs.

Use [RetrieveEnvironmentInfo](#) (p. 105) to obtain the set of logs.

Related Topics

- [RetrieveEnvironmentInfo](#) (p. 105)

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

EnvironmentId

The ID of the environment of the requested data.

If no such environment is found, `RequestEnvironmentInfo` returns an `InvalidParameterValue` error.

Condition: You must specify either this or an `EnvironmentName`, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Required: No

EnvironmentName

The name of the environment of the requested data.

If no such environment is found, `RequestEnvironmentInfo` returns an `InvalidParameterValue` error.

Condition: You must specify either this or an `EnvironmentId`, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

InfoType

The type of information to request.

Type: String

Valid Values: `tail` | `bundle`

Required: Yes

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?EnvironmentId=e-hc8mvnayrx
&EnvironmentName=SampleAppVersion
&InfoType=tail
&Operation=RequestEnvironmentInfo
&AuthParams
```

Sample Response

```
<RequestEnvironmentInfoResponse xmlns="https://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
  <ResponseMetadata>
    <RequestId>126a4ff3-f28a-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</RequestEnvironmentInfoResponse>
```

See Also

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

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

RestartAppServer

Causes the environment to restart the application container server running on each Amazon EC2 instance.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

EnvironmentId

The ID of the environment to restart the server for.

Condition: You must specify either this or an EnvironmentName, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Required: No

EnvironmentName

The name of the environment to restart the server for.

Condition: You must specify either this or an EnvironmentId, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?EnvironmentId=e-hc8mvnayrx
&EnvironmentName=SampleAppVersion
&Operation=RestartAppServer
&AuthParams
```

Sample Response

```
<RestartAppServerResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <ResponseMetadata>
    <RequestId>90e8d1d5-f28a-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</RestartAppServerResponse>
```

See Also

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

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

RetrieveEnvironmentInfo

Retrieves the compiled information from a [RequestEnvironmentInfo \(p. 101\)](#) request.

Related Topics

- [RequestEnvironmentInfo \(p. 101\)](#)

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

EnvironmentId

The ID of the data's environment.

If no such environment is found, returns an `InvalidParameterValue` error.

Condition: You must specify either this or an `EnvironmentName`, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Required: No

EnvironmentName

The name of the data's environment.

If no such environment is found, returns an `InvalidParameterValue` error.

Condition: You must specify either this or an `EnvironmentId`, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

InfoType

The type of information to retrieve.

Type: String

Valid Values: `tail` | `bundle`

Required: Yes

Response Elements

The following element is returned by the service.

EnvironmentInfo.member.N

The [EnvironmentInfoDescription \(p. 167\)](#) of the environment.

Type: Array of [EnvironmentInfoDescription](#) (p. 167) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?EnvironmentId=e-hc8mvnayrx
&EnvironmentName=SampleAppVersion
&InfoType=tail
&Operation=RetrieveEnvironmentInfo
&AuthParams
```

Sample Response

```
<RetrieveEnvironmentInfoResponse xmlns="https://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
  <RetrieveEnvironmentInfoResult>
    <EnvironmentInfo>
      <member>
        <Message>
          https://elasticbeanstalk.us-east-1.s3.amazonaws.com/environments
          %2Fa514386a-709f-4888-9683-068c38d744b4%2Flogs%2Fi-92a3ceff%2F278756a8-7d83-4bc1-93db-
          b1763163705a.log?Expires=1291236023
          &AuthParams
        </Message>
        <SampleTimestamp>2010-11-17T20:40:23.210Z</SampleTimestamp>
        <InfoType>tail</InfoType>
        <Ec2InstanceId>i-92a3ceff</Ec2InstanceId>
      </member>
    </EnvironmentInfo>
  </RetrieveEnvironmentInfoResult>
  <ResponseMetadata>
    <RequestId>e8e785c9-f28a-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</RetrieveEnvironmentInfoResponse>
```

See Also

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

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

- [AWS SDK for Ruby V2](#)

SwapEnvironmentCNAMEs

Swaps the CNAMEs of two environments.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

DestinationEnvironmentId

The ID of the destination environment.

Condition: You must specify at least the `DestinationEnvironmentID` or the `DestinationEnvironmentName`. You may also specify both. You must specify the `SourceEnvironmentId` with the `DestinationEnvironmentId`.

Type: String

Required: No

DestinationEnvironmentName

The name of the destination environment.

Condition: You must specify at least the `DestinationEnvironmentID` or the `DestinationEnvironmentName`. You may also specify both. You must specify the `SourceEnvironmentName` with the `DestinationEnvironmentName`.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

SourceEnvironmentId

The ID of the source environment.

Condition: You must specify at least the `SourceEnvironmentID` or the `SourceEnvironmentName`. You may also specify both. If you specify the `SourceEnvironmentId`, you must specify the `DestinationEnvironmentId`.

Type: String

Required: No

SourceEnvironmentName

The name of the source environment.

Condition: You must specify at least the `SourceEnvironmentID` or the `SourceEnvironmentName`. You may also specify both. If you specify the `SourceEnvironmentName`, you must specify the `DestinationEnvironmentName`.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?SourceEnvironmentName=SampleApp
&DestinationEnvironmentName=SampleApp2
&Operation=SwapEnvironmentCNAMEs
&AuthParams
```

Sample Response

```
<SwapEnvironmentCNAMEsResponse xmlns="http://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
  <ResponseMetadata>
    <RequestId>f4e1b145-9080-11e0-8e5a-a558e0ce1fc4</RequestId>
  </ResponseMetadata>
</SwapEnvironmentCNAMEsResponse>
```

See Also

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

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

TerminateEnvironment

Terminates the specified environment.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

EnvironmentId

The ID of the environment to terminate.

Condition: You must specify either this or an EnvironmentName, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Required: No

EnvironmentName

The name of the environment to terminate.

Condition: You must specify either this or an EnvironmentId, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

ForceTerminate

Terminates the target environment even if another environment in the same group is dependent on it.

Type: Boolean

Required: No

TerminateResources

Indicates whether the associated AWS resources should shut down when the environment is terminated:

- `true`: The specified environment as well as the associated AWS resources, such as Auto Scaling group and LoadBalancer, are terminated.
- `false`: AWS Elastic Beanstalk resource management is removed from the environment, but the AWS resources continue to operate.

For more information, see the [AWS Elastic Beanstalk User Guide](#).

Default: `true`

Valid Values: `true` | `false`

Type: Boolean

Required: No

Response Elements

The following elements are returned by the service.

AbortableOperationInProgress

Indicates if there is an in-progress environment configuration update or application version deployment that you can cancel.

`true`: There is an update in progress.

`false`: There are no updates currently in progress.

Type: Boolean

ApplicationName

The name of the application associated with this environment.

Type: String

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

CNAME

The URL to the CNAME for this environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

DateTimeCreated

The creation date for this environment.

Type: Timestamp

DateTimeUpdated

The last modified date for this environment.

Type: Timestamp

Description

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

EndpointURL

For load-balanced, autoscaling environments, the URL to the LoadBalancer. For single-instance environments, the IP address of the instance.

Type: String

EnvironmentArn

The environment's Amazon Resource Name (ARN), which can be used in other API requests that require an ARN.

Type: String

EnvironmentId

The ID of this environment.

Type: String

EnvironmentLinks.member.N

A list of links to other environments in the same group.

Type: Array of [EnvironmentLink](#) (p. 168) objects

EnvironmentName

The name of this environment.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Health

Describes the health status of the environment. AWS Elastic Beanstalk indicates the failure levels for a running environment:

- **Red:** Indicates the environment is not responsive. Occurs when three or more consecutive failures occur for an environment.
- **Yellow:** Indicates that something is wrong. Occurs when two consecutive failures occur for an environment.
- **Green:** Indicates the environment is healthy and fully functional.
- **Grey:** Default health for a new environment. The environment is not fully launched and health checks have not started or health checks are suspended during an `UpdateEnvironment` or `RestartEnvironment` request.

Default: Grey

Type: String

Valid Values: `Green` | `Yellow` | `Red` | `Grey`

HealthStatus

Returns the health status of the application running in your environment. For more information, see [Health Colors and Statuses](#).

Type: String

Valid Values: `NoData` | `Unknown` | `Pending` | `Ok` | `Info` | `Warning` | `Degraded` | `Severe` | `Suspended`

PlatformArn

The ARN of the platform.

Type: String

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) (p. 171) object

SolutionStackName

The name of the `SolutionStack` deployed with this environment.

Type: String

Status

The current operational status of the environment:

- **Launching:** Environment is in the process of initial deployment.
- **Updating:** Environment is in the process of updating its configuration settings or application version.
- **Ready:** Environment is available to have an action performed on it, such as update or terminate.
- **Terminating:** Environment is in the shut-down process.
- **Terminated:** Environment is not running.

Type: String

Valid Values: `Launching` | `Updating` | `Ready` | `Terminating` | `Terminated`

TemplateName

The name of the configuration template used to originally launch this environment.

Type: String

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

Tier

Describes the current tier of this environment.

Type: [EnvironmentTier \(p. 172\)](#) object

VersionLabel

The application version deployed in this environment.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?EnvironmentId=e-icsgecu3wf
&EnvironmentName=SampleApp
&TerminateResources=true
&Operation=TerminateEnvironment
&AuthParams
```

Sample Response

```
<TerminateEnvironmentResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <TerminateEnvironmentResult>
    <VersionLabel>Version1</VersionLabel>
    <Status>Terminating</Status>
    <ApplicationName>SampleApp</ApplicationName>
    <EndpointURL>elasticbeanstalk-SampleApp-1394386994.us-east-1.elb.amazonaws.com</EndpointURL>
    <CNAME>SampleApp-jxb293wg7n.elasticbeanstalk.amazonaws.com</CNAME>
    <Health>Grey</Health>
    <EnvironmentId>e-icsgecu3wf</EnvironmentId>
    <DateUpdated>2010-11-17T17:10:41.976Z</DateUpdated>
    <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>
    <Description>EnvDescrip</Description>
    <EnvironmentName>SampleApp</EnvironmentName>
    <DateCreated>2010-11-17T03:59:33.520Z</DateCreated>
  </TerminateEnvironmentResult>
  <ResponseMetadata>
    <RequestId>9b71af21-f26d-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</TerminateEnvironmentResponse>
```

See Also

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

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

UpdateApplication

Updates the specified application to have the specified properties.

Note

If a property (for example, `description`) is not provided, the value remains unchanged. To clear these properties, specify an empty string.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

ApplicationName

The name of the application to update. If no such application is found, `UpdateApplication` returns an `InvalidParameterValue` error.

Type: String

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

Required: Yes

Description

A new description for the application.

Default: If not specified, AWS Elastic Beanstalk does not update the description.

Type: String

Length Constraints: Maximum length of 200.

Required: No

Response Elements

The following element is returned by the service.

Application

The [ApplicationDescription](#) (p. 142) of the application.

Type: [ApplicationDescription](#) (p. 142) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
```

```
&Description=Another%20Description  
&Operation=UpdateApplication  
&AuthParams
```

Sample Response

```
<UpdateApplicationResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">  
  <UpdateApplicationResult>  
    <Application>  
      <Versions>  
        <member>New Version</member>  
      </Versions>  
      <Description>Another Description</Description>  
      <ApplicationName>SampleApp</ApplicationName>  
      <DateCreated>2010-11-17T19:26:20.410Z</DateCreated>  
      <DateUpdated>2010-11-17T20:42:54.611Z</DateUpdated>  
      <ConfigurationTemplates>  
        <member>Default</member>  
      </ConfigurationTemplates>  
    </Application>  
  </UpdateApplicationResult>  
  <ResponseMetadata>  
    <RequestId>40be666b-f28b-11df-8a78-9f77047e0d0c</RequestId>  
  </ResponseMetadata>  
</UpdateApplicationResponse>
```

See Also

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

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

UpdateApplicationResourceLifecycle

Modifies lifecycle settings for an application.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

ApplicationName

The name of the application.

Type: String

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

Required: Yes

ResourceLifecycleConfig

The lifecycle configuration.

Type: [ApplicationResourceLifecycleConfig](#) (p. 145) object

Required: Yes

Response Elements

The following elements are returned by the service.

ApplicationName

The name of the application.

Type: String

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

ResourceLifecycleConfig

The lifecycle configuration.

Type: [ApplicationResourceLifecycleConfig](#) (p. 145) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

See Also

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

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

UpdateApplicationVersion

Updates the specified application version to have the specified properties.

Note

If a property (for example, `description`) is not provided, the value remains unchanged. To clear properties, specify an empty string.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

ApplicationName

The name of the application associated with this version.

If no application is found with this name, `UpdateApplication` returns an `InvalidParameterValue` error.

Type: String

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

Required: Yes

Description

A new description for this version.

Type: String

Length Constraints: Maximum length of 200.

Required: No

VersionLabel

The name of the version to update.

If no application version is found with this label, `UpdateApplication` returns an `InvalidParameterValue` error.

Type: String

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

Required: Yes

Response Elements

The following element is returned by the service.

ApplicationVersion

The [ApplicationVersionDescription](#) (p. 146) of the application version.

Type: [ApplicationVersionDescription](#) (p. 146) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&VersionLabel=New%20Version
&Description=New%20Release%20Description
&Operation=UpdateApplicationVersion
&AuthParams
```

Sample Response

```
<UpdateApplicationVersionResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <UpdateApplicationVersionResult>
    <ApplicationVersion>
      <SourceBundle>
        <S3Bucket>awsemr</S3Bucket>
        <S3Key>sample.war</S3Key>
      </SourceBundle>
      <VersionLabel>New Version</VersionLabel>
      <Description>New Release Description</Description>
      <ApplicationName>SampleApp</ApplicationName>
      <DateCreated>2010-11-17T19:26:20.699Z</DateCreated>
      <DateUpdated>2010-11-17T20:48:16.632Z</DateUpdated>
    </ApplicationVersion>
  </UpdateApplicationVersionResult>
  <ResponseMetadata>
    <RequestId>00b10aa1-f28c-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</UpdateApplicationVersionResponse>
```

See Also

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

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

UpdateConfigurationTemplate

Updates the specified configuration template to have the specified properties or configuration option values.

Note

If a property (for example, `ApplicationName`) is not provided, its value remains unchanged. To clear such properties, specify an empty string.

Related Topics

- [DescribeConfigurationOptions \(p. 53\)](#)

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

ApplicationName

The name of the application associated with the configuration template to update.

If no application is found with this name, `UpdateConfigurationTemplate` returns an `InvalidParameterValue` error.

Type: String

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

Required: Yes

Description

A new description for the configuration.

Type: String

Length Constraints: Maximum length of 200.

Required: No

OptionSettings.member.N

A list of configuration option settings to update with the new specified option value.

Type: Array of [ConfigurationOptionSetting \(p. 156\)](#) objects

Required: No

OptionsToRemove.member.N

A list of configuration options to remove from the configuration set.

Constraint: You can remove only `UserDefined` configuration options.

Type: Array of [OptionSpecification \(p. 191\)](#) objects

Required: No

TemplateName

The name of the configuration template to update.

If no configuration template is found with this name, `UpdateConfigurationTemplate` returns an `InvalidParameterValue` error.

Type: String

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

Required: Yes

Response Elements

The following elements are returned by the service.

ApplicationName

The name of the application associated with this configuration set.

Type: String

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

DateCreated

The date (in UTC time) when this configuration set was created.

Type: Timestamp

DateUpdated

The date (in UTC time) when this configuration set was last modified.

Type: Timestamp

DeploymentStatus

If this configuration set is associated with an environment, the `DeploymentStatus` parameter indicates the deployment status of this configuration set:

- `null`: This configuration is not associated with a running environment.
- `pending`: This is a draft configuration that is not deployed to the associated environment but is in the process of deploying.
- `deployed`: This is the configuration that is currently deployed to the associated running environment.
- `failed`: This is a draft configuration that failed to successfully deploy.

Type: String

Valid Values: `deployed` | `pending` | `failed`

Description

Describes this configuration set.

Type: String

Length Constraints: Maximum length of 200.

EnvironmentName

If not `null`, the name of the environment for this configuration set.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

OptionSettings.member.N

A list of the configuration options and their values in this configuration set.

Type: Array of [ConfigurationOptionSetting \(p. 156\)](#) objects

PlatformArn

The ARN of the platform.

Type: String

SolutionStackName

The name of the solution stack this configuration set uses.

Type: String

TemplateName

If not null, the name of the configuration template for this configuration set.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

TooManyBuckets

The specified account has reached its limit of Amazon S3 buckets.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&TemplateName=default
&Description=changed%20description
&OptionSettings.member.1.Namespace=aws%3Aautoscaling%3Atrigger
&OptionSettings.member.1.OptionName=LowerThreshold
&OptionSettings.member.1.Value=1000000
&Operation=UpdateConfigurationTemplate
&AuthParams
```

Sample Response

```
<UpdateConfigurationTemplateResponse xmlns="https://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
```

```
<UpdateConfigurationTemplateResult>
  <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>
  <OptionSettings>
    <member>
      <OptionName>Availability Zones</OptionName>
      <Value>Any 1</Value>
      <Namespace>aws:autoscaling:asg</Namespace>
    </member>
    <member>
      <OptionName>PARAM5</OptionName>
      <Value/>
      <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
    </member>
    <member>
      <OptionName>LowerThreshold</OptionName>
      <Value>1000000</Value>
      <Namespace>aws:autoscaling:trigger</Namespace>
    </member>
    <member>
      <OptionName>UpperThreshold</OptionName>
      <Value>9000000</Value>
      <Namespace>aws:autoscaling:trigger</Namespace>
    </member>
    <member>
      <OptionName>LowerBreachScaleIncrement</OptionName>
      <Value>-1</Value>
      <Namespace>aws:autoscaling:trigger</Namespace>
    </member>
    <member>
      <OptionName>MeasureName</OptionName>
      <Value>NetworkOut</Value>
      <Namespace>aws:autoscaling:trigger</Namespace>
    </member>
    <member>
      <OptionName>Period</OptionName>
      <Value>60</Value>
      <Namespace>aws:autoscaling:trigger</Namespace>
    </member>
    <member>
      <OptionName>Xmx</OptionName>
      <Value>256m</Value>
      <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
    </member>
    <member>
      <OptionName>PARAM3</OptionName>
      <Value/>
      <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
    </member>
    <member>
      <OptionName>EC2KeyName</OptionName>
      <Value/>
      <Namespace>aws:autoscaling:launchconfiguration</Namespace>
    </member>
    <member>
      <OptionName>MinSize</OptionName>
      <Value>1</Value>
      <Namespace>aws:autoscaling:asg</Namespace>
    </member>
    <member>
      <OptionName>JVM Options</OptionName>
      <Value/>
      <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
    </member>
    <member>
      <OptionName>XX:MaxPermSize</OptionName>
      <Value>64m</Value>
```

```
<Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <OptionName>AWS_SECRET_KEY</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>UpperBreachScaleIncrement</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Notification Topic ARN</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>InstanceType</OptionName>
  <Value>t1.micro</Value>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>Custom Availability Zones</OptionName>
  <Value>us-east-1a</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>Statistic</OptionName>
  <Value>Average</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Notification Protocol</OptionName>
  <Value>email</Value>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>JDBC_CONNECTION_STRING</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>PARAM2</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>Stickiness Cookie Expiration</OptionName>
  <Value>0</Value>
  <Namespace>aws:elb:policies</Namespace>
</member>
<member>
  <OptionName>SSLCertificateId</OptionName>
  <Value/>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <OptionName>MaxSize</OptionName>
  <Value>4</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>Stickiness Policy</OptionName>
  <Value>>false</Value>
  <Namespace>aws:elb:policies</Namespace>
```

```
</member>
<member>
  <OptionName>Notification Topic Name</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>SecurityGroups</OptionName>
  <Value>elasticbeanstalk-default</Value>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>LoadBalancerHTTPPort</OptionName>
  <Value>80</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <OptionName>Unit</OptionName>
  <Value>None</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>AWS_ACCESS_KEY_ID</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>PARAM4</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>Application Healthcheck URL</OptionName>
  <Value>/</Value>
  <Namespace>aws:elasticbeanstalk:application</Namespace>
</member>
<member>
  <OptionName>LoadBalancerHTTPSPort</OptionName>
  <Value>OFF</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <OptionName>HealthyThreshold</OptionName>
  <Value>3</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>Timeout</OptionName>
  <Value>5</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>Cooldown</OptionName>
  <Value>0</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>UnhealthyThreshold</OptionName>
  <Value>5</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>Interval</OptionName>
  <Value>30</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
```



```
<member>
  <OptionName>LogPublicationControl</OptionName>
  <Value>>false</Value>
  <Namespace>aws:elasticbeanstalk:hostmanager</Namespace>
</member>
<member>
  <OptionName>BreachDuration</OptionName>
  <Value>120</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>PARAM1</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>Notification Endpoint</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>Protocol</OptionName>
  <Value>HTTP</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <OptionName>Xms</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
</OptionSettings>
<Description>changed description</Description>
<ApplicationName>SampleApp</ApplicationName>
<DateCreated>2010-11-17T19:26:20.420Z</DateCreated>
<TemplateName>Default</TemplateName>
<DateUpdated>2010-11-17T20:58:27.508Z</DateUpdated>
</UpdateConfigurationTemplateResult>
<ResponseMetadata>
  <RequestId>6cbcb09a-f28d-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</UpdateConfigurationTemplateResponse>
```

See Also

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

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

UpdateEnvironment

Updates the environment description, deploys a new application version, updates the configuration settings to an entirely new configuration template, or updates select configuration option values in the running environment.

Attempting to update both the release and configuration is not allowed and AWS Elastic Beanstalk returns an `InvalidParameterCombination` error.

When updating the configuration settings to a new template or individual settings, a draft configuration is created and [DescribeConfigurationSettings \(p. 63\)](#) for this environment returns two setting descriptions with different `DeploymentStatus` values.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

ApplicationName

The name of the application with which the environment is associated.

Type: String

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

Required: No

Description

If this parameter is specified, AWS Elastic Beanstalk updates the description of this environment.

Type: String

Length Constraints: Maximum length of 200.

Required: No

EnvironmentId

The ID of the environment to update.

If no environment with this ID exists, AWS Elastic Beanstalk returns an `InvalidParameterValue` error.

Condition: You must specify either this or an `EnvironmentName`, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Required: No

EnvironmentName

The name of the environment to update. If no environment with this name exists, AWS Elastic Beanstalk returns an `InvalidParameterValue` error.

Condition: You must specify either this or an `EnvironmentId`, or both. If you do not specify either, AWS Elastic Beanstalk returns `MissingRequiredParameter` error.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

GroupName

The name of the group to which the target environment belongs. Specify a group name only if the environment's name is specified in an environment manifest and not with the environment name or environment ID parameters. See [Environment Manifest \(env.yaml\)](#) for details.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 19.

Required: No

OptionSettings.member.N

If specified, AWS Elastic Beanstalk updates the configuration set associated with the running environment and sets the specified configuration options to the requested value.

Type: Array of [ConfigurationOptionSetting \(p. 156\)](#) objects

Required: No

OptionsToRemove.member.N

A list of custom user-defined configuration options to remove from the configuration set for this environment.

Type: Array of [OptionSpecification \(p. 191\)](#) objects

Required: No

PlatformArn

The ARN of the platform, if used.

Type: String

Required: No

SolutionStackName

This specifies the platform version that the environment will run after the environment is updated.

Type: String

Required: No

TemplateName

If this parameter is specified, AWS Elastic Beanstalk deploys this configuration template to the environment. If no such configuration template is found, AWS Elastic Beanstalk returns an `InvalidParameterValue` error.

Type: String

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

Required: No

Tier

This specifies the tier to use to update the environment.

Condition: At this time, if you change the tier version, name, or type, AWS Elastic Beanstalk returns `InvalidParameterValue` error.

Type: [EnvironmentTier](#) (p. 172) object

Required: No

VersionLabel

If this parameter is specified, AWS Elastic Beanstalk deploys the named application version to the environment. If no such application version is found, returns an `InvalidParameterValue` error.

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

AbortableOperationInProgress

Indicates if there is an in-progress environment configuration update or application version deployment that you can cancel.

`true`: There is an update in progress.

`false`: There are no updates currently in progress.

Type: Boolean

ApplicationName

The name of the application associated with this environment.

Type: String

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

CNAME

The URL to the CNAME for this environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

DateCreated

The creation date for this environment.

Type: Timestamp

DateUpdated

The last modified date for this environment.

Type: Timestamp

Description

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

EndpointURL

For load-balanced, autoscaling environments, the URL to the LoadBalancer. For single-instance environments, the IP address of the instance.

Type: String

EnvironmentArn

The environment's Amazon Resource Name (ARN), which can be used in other API requests that require an ARN.

Type: String

EnvironmentId

The ID of this environment.

Type: String

EnvironmentLinks.member.N

A list of links to other environments in the same group.

Type: Array of [EnvironmentLink \(p. 168\)](#) objects

EnvironmentName

The name of this environment.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Health

Describes the health status of the environment. AWS Elastic Beanstalk indicates the failure levels for a running environment:

- **Red:** Indicates the environment is not responsive. Occurs when three or more consecutive failures occur for an environment.
- **Yellow:** Indicates that something is wrong. Occurs when two consecutive failures occur for an environment.
- **Green:** Indicates the environment is healthy and fully functional.
- **Grey:** Default health for a new environment. The environment is not fully launched and health checks have not started or health checks are suspended during an `UpdateEnvironment` or `RestartEnvironment` request.

Default: Grey

Type: String

Valid Values: Green | Yellow | Red | Grey

HealthStatus

Returns the health status of the application running in your environment. For more information, see [Health Colors and Statuses](#).

Type: String

Valid Values: NoData | Unknown | Pending | Ok | Info | Warning | Degraded | Severe | Suspended

PlatformArn

The ARN of the platform.

Type: String

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription \(p. 171\)](#) object

SolutionStackName

The name of the SolutionStack deployed with this environment.

Type: String

Status

The current operational status of the environment:

- **Launching:** Environment is in the process of initial deployment.
- **Updating:** Environment is in the process of updating its configuration settings or application version.
- **Ready:** Environment is available to have an action performed on it, such as update or terminate.
- **Terminating:** Environment is in the shut-down process.
- **Terminated:** Environment is not running.

Type: String

Valid Values: Launching | Updating | Ready | Terminating | Terminated

TemplateName

The name of the configuration template used to originally launch this environment.

Type: String

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

Tier

Describes the current tier of this environment.

Type: [EnvironmentTier \(p. 172\)](#) object

VersionLabel

The application version deployed in this environment.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

TooManyBuckets

The specified account has reached its limit of Amazon S3 buckets.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?EnvironmentId=e-hc8mvnayrx
&EnvironmentName=SampleAppVersion
&TemplateName=default
&OptionsToRemove.member.1.Namespace=aws%3Aautoscaling%3Atrigger
&OptionsToRemove.member.1.OptionName=MeasureName
&Operation=UpdateEnvironment
&AuthParams
```

Sample Response

```
<UpdateEnvironmentResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <UpdateEnvironmentResult>
    <VersionLabel>New Version</VersionLabel>
    <Status>Deploying</Status>
    <ApplicationName>SampleApp</ApplicationName>
    <EndpointURL>elasticbeanstalk-SampleAppVersion-246126201.us-east-1.elb.amazonaws.com</
EndpointURL>
    <CNAME>SampleApp.elasticbeanstalk.amazonaws.com</CNAME>
    <Health>Grey</Health>
    <EnvironmentId>e-hc8mvnayrx</EnvironmentId>
    <DateUpdated>2010-11-17T21:05:55.251Z</DateUpdated>
    <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>
    <Description>SampleAppDescription</Description>
    <EnvironmentName>SampleAppVersion</EnvironmentName>
    <DateCreated>2010-11-17T20:17:42.339Z</DateCreated>
  </UpdateEnvironmentResult>
  <ResponseMetadata>
    <RequestId>7705f0bc-f28e-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</UpdateEnvironmentResponse>
```

See Also

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

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

- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

UpdateTagsForResource

Update the list of tags applied to an AWS Elastic Beanstalk resource. Two lists can be passed: `TagsToAdd` for tags to add or update, and `TagsToRemove`.

Currently, Elastic Beanstalk only supports tagging of Elastic Beanstalk environments. For details about environment tagging, see [Tagging Resources in Your Elastic Beanstalk Environment](#).

If you create a custom IAM user policy to control permission to this operation, specify one of the following two virtual actions (or both) instead of the API operation name:

`elasticbeanstalk:AddTags`

Controls permission to call `UpdateTagsForResource` and pass a list of tags to add in the `TagsToAdd` parameter.

`elasticbeanstalk:RemoveTags`

Controls permission to call `UpdateTagsForResource` and pass a list of tag keys to remove in the `TagsToRemove` parameter.

For details about creating a custom user policy, see [Creating a Custom User Policy](#).

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 215).

ResourceArn

The Amazon Resource Name (ARN) of the resource to be updated.

Must be the ARN of an Elastic Beanstalk environment.

Type: String

Required: Yes

TagsToAdd.member.N

A list of tags to add or update.

If a key of an existing tag is added, the tag's value is updated.

Type: Array of [Tag](#) (p. 212) objects

Required: No

TagsToRemove.member.N

A list of tag keys to remove.

If a tag key doesn't exist, it is silently ignored.

Type: Array of strings

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

Required: No

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 217\)](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

OperationInProgressFailure

Unable to perform the specified operation because another operation that effects an element in this activity is already in progress.

HTTP Status Code: 400

ResourceNotFound

A resource doesn't exist for the specified Amazon Resource Name (ARN).

HTTP Status Code: 400

ResourceTypeNotSupported

The type of the specified Amazon Resource Name (ARN) isn't supported for this operation.

HTTP Status Code: 400

TooManyTags

The number of tags in the resource would exceed the number of tags that each resource can have.

To calculate this, the operation considers both the number of tags the resource already has and the tags this operation would add if it succeeded.

HTTP Status Code: 400

See Also

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

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

ValidateConfigurationSettings

Takes a set of configuration settings and either a configuration template or environment, and determines whether those values are valid.

This action returns a list of messages indicating any errors or warnings associated with the selection of option values.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 215\)](#).

ApplicationName

The name of the application that the configuration template or environment belongs to.

Type: String

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

Required: Yes

EnvironmentName

The name of the environment to validate the settings against.

Condition: You cannot specify both this and a configuration template name.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

OptionSettings.member.N

A list of the options and desired values to evaluate.

Type: Array of [ConfigurationOptionSetting \(p. 156\)](#) objects

Required: Yes

TemplateName

The name of the configuration template to validate the settings against.

Condition: You cannot specify both this and an environment name.

Type: String

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

Required: No

Response Elements

The following element is returned by the service.

Messages.member.N

A list of [ValidationMessage](#) (p. 214).

Type: Array of [ValidationMessage](#) (p. 214) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 217).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or more AWS services.

HTTP Status Code: 403

TooManyBuckets

The specified account has reached its limit of Amazon S3 buckets.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?ApplicationName=SampleApp
&EnvironmentName=SampleAppVersion
&OptionSettings.member.1.Namespace=aws%3Aautoscaling%3Atrigger
&OptionSettings.member.1.OptionName=LowerThreshold
&OptionSettings.member.1.Value=1000000
&Operation=ValidateConfigurationSettings
&AuthParams
```

Sample Response

```
<ValidateConfigurationSettingsResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <ValidateConfigurationSettingsResult>
    <Messages/>
  </ValidateConfigurationSettingsResult>
  <ResponseMetadata>
    <RequestId>06f1cfff-f28f-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</ValidateConfigurationSettingsResponse>
```

See Also

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

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

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

Data Types

The AWS Elastic Beanstalk 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:

- [ApplicationDescription](#) (p. 142)
- [ApplicationMetrics](#) (p. 144)
- [ApplicationResourceLifecycleConfig](#) (p. 145)
- [ApplicationVersionDescription](#) (p. 146)
- [ApplicationVersionLifecycleConfig](#) (p. 148)
- [AutoScalingGroup](#) (p. 149)
- [BuildConfiguration](#) (p. 150)
- [Builder](#) (p. 152)
- [ConfigurationOptionDescription](#) (p. 153)
- [ConfigurationOptionSetting](#) (p. 156)
- [ConfigurationSettingsDescription](#) (p. 157)
- [CPUUtilization](#) (p. 159)
- [CustomAmi](#) (p. 161)
- [Deployment](#) (p. 162)
- [EnvironmentDescription](#) (p. 163)
- [EnvironmentInfoDescription](#) (p. 167)
- [EnvironmentLink](#) (p. 168)
- [EnvironmentResourceDescription](#) (p. 169)
- [EnvironmentResourcesDescription](#) (p. 171)
- [EnvironmentTier](#) (p. 172)
- [EventDescription](#) (p. 173)
- [Instance](#) (p. 175)
- [InstanceHealthSummary](#) (p. 176)
- [Latency](#) (p. 178)
- [LaunchConfiguration](#) (p. 180)
- [Listener](#) (p. 181)
- [LoadBalancer](#) (p. 182)
- [LoadBalancerDescription](#) (p. 183)
- [ManagedAction](#) (p. 184)
- [ManagedActionHistoryItem](#) (p. 186)
- [MaxAgeRule](#) (p. 188)
- [MaxCountRule](#) (p. 189)
- [OptionRestrictionRegex](#) (p. 190)
- [OptionSpecification](#) (p. 191)
- [PlatformDescription](#) (p. 192)

- [PlatformFilter](#) (p. 195)
- [PlatformFramework](#) (p. 196)
- [PlatformProgrammingLanguage](#) (p. 197)
- [PlatformSummary](#) (p. 198)
- [Queue](#) (p. 200)
- [ResourceQuota](#) (p. 201)
- [ResourceQuotas](#) (p. 202)
- [S3Location](#) (p. 203)
- [SingleInstanceHealth](#) (p. 204)
- [SolutionStackDescription](#) (p. 206)
- [SourceBuildInformation](#) (p. 207)
- [SourceConfiguration](#) (p. 209)
- [StatusCodes](#) (p. 210)
- [SystemStatus](#) (p. 211)
- [Tag](#) (p. 212)
- [Trigger](#) (p. 213)
- [ValidationMessage](#) (p. 214)

ApplicationDescription

Describes the properties of an application.

Contents

ApplicationArn

The Amazon Resource Name (ARN) of the application.

Type: String

Required: No

ApplicationName

The name of the application.

Type: String

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

Required: No

ConfigurationTemplates.member.N

The names of the configuration templates associated with this application.

Type: Array of strings

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

Required: No

DateCreated

The date when the application was created.

Type: Timestamp

Required: No

DateUpdated

The date when the application was last modified.

Type: Timestamp

Required: No

Description

User-defined description of the application.

Type: String

Length Constraints: Maximum length of 200.

Required: No

ResourceLifecycleConfig

The lifecycle settings for the application.

Type: [ApplicationResourceLifecycleConfig](#) (p. 145) object

Required: No

Versions.member.N

The names of the versions for this application.

Type: Array of strings

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

Required: No

See Also

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

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

ApplicationMetrics

Application request metrics for an AWS Elastic Beanstalk environment.

Contents

Duration

The amount of time that the metrics cover (usually 10 seconds). For example, you might have 5 requests (`request_count`) within the most recent time slice of 10 seconds (`duration`).

Type: Integer

Required: No

Latency

Represents the average latency for the slowest X percent of requests over the last 10 seconds. Latencies are in seconds with one millisecond resolution.

Type: [Latency \(p. 178\)](#) object

Required: No

RequestCount

Average number of requests handled by the web server per second over the last 10 seconds.

Type: Integer

Required: No

StatusCodes

Represents the percentage of requests over the last 10 seconds that resulted in each type of status code response.

Type: [StatusCodes \(p. 210\)](#) object

Required: No

See Also

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

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

ApplicationResourceLifecycleConfig

The resource lifecycle configuration for an application. Defines lifecycle settings for resources that belong to the application, and the service role that Elastic Beanstalk assumes in order to apply lifecycle settings. The version lifecycle configuration defines lifecycle settings for application versions.

Contents

ServiceRole

The ARN of an IAM service role that Elastic Beanstalk has permission to assume.

The `ServiceRole` property is required the first time that you provide a `VersionLifecycleConfig` for the application in one of the supporting calls (`CreateApplication` or `UpdateApplicationResourceLifecycle`). After you provide it once, in either one of the calls, Elastic Beanstalk persists the Service Role with the application, and you don't need to specify it again in subsequent `UpdateApplicationResourceLifecycle` calls. You can, however, specify it in subsequent calls to change the Service Role to another value.

Type: String

Required: No

VersionLifecycleConfig

The application version lifecycle configuration.

Type: [ApplicationVersionLifecycleConfig](#) (p. 148) object

Required: No

See Also

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

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

ApplicationVersionDescription

Describes the properties of an application version.

Contents

ApplicationName

The name of the application to which the application version belongs.

Type: String

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

Required: No

ApplicationVersionArn

The Amazon Resource Name (ARN) of the application version.

Type: String

Required: No

BuildArn

Reference to the artifact from the AWS CodeBuild build.

Type: String

Required: No

DateCreated

The creation date of the application version.

Type: Timestamp

Required: No

DateUpdated

The last modified date of the application version.

Type: Timestamp

Required: No

Description

The description of the application version.

Type: String

Length Constraints: Maximum length of 200.

Required: No

SourceBuildInformation

If the version's source code was retrieved from AWS CodeCommit, the location of the source code for the application version.

Type: [SourceBuildInformation \(p. 207\)](#) object

Required: No

SourceBundle

The storage location of the application version's source bundle in Amazon S3.

Type: [S3Location](#) (p. 203) object

Required: No

Status

The processing status of the application version. Reflects the state of the application version during its creation. Many of the values are only applicable if you specified `True` for the `Process` parameter of the `CreateApplicationVersion` action. The following list describes the possible values.

- `Unprocessed` – Application version wasn't pre-processed or validated. Elastic Beanstalk will validate configuration files during deployment of the application version to an environment.
- `Processing` – Elastic Beanstalk is currently processing the application version.
- `Building` – Application version is currently undergoing an AWS CodeBuild build.
- `Processed` – Elastic Beanstalk was successfully pre-processed and validated.
- `Failed` – Either the AWS CodeBuild build failed or configuration files didn't pass validation. This application version isn't usable.

Type: String

Valid Values: `Processed` | `Unprocessed` | `Failed` | `Processing` | `Building`

Required: No

VersionLabel

A unique identifier for the application version.

Type: String

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

Required: No

See Also

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

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

ApplicationVersionLifecycleConfig

The application version lifecycle settings for an application. Defines the rules that Elastic Beanstalk applies to an application's versions in order to avoid hitting the per-region limit for application versions.

When Elastic Beanstalk deletes an application version from its database, you can no longer deploy that version to an environment. The source bundle remains in S3 unless you configure the rule to delete it.

Contents

MaxAgeRule

Specify a max age rule to restrict the length of time that application versions are retained for an application.

Type: [MaxAgeRule \(p. 188\)](#) object

Required: No

MaxCountRule

Specify a max count rule to restrict the number of application versions that are retained for an application.

Type: [MaxCountRule \(p. 189\)](#) object

Required: No

See Also

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

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

AutoScalingGroup

Describes an Auto Scaling launch configuration.

Contents

Name

The name of the `AutoScalingGroup` .

Type: String

Required: No

See Also

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

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

BuildConfiguration

Settings for an AWS CodeBuild build.

Contents

ArtifactName

The name of the artifact of the CodeBuild build. If provided, Elastic Beanstalk stores the build artifact in the S3 location *S3-bucket/resources/application-name/codebuild/codebuild-version-label-artifact-name.zip*. If not provided, Elastic Beanstalk stores the build artifact in the S3 location *S3-bucket/resources/application-name/codebuild/codebuild-version-label.zip*.

Type: String

Required: No

CodeBuildServiceRole

The Amazon Resource Name (ARN) of the AWS Identity and Access Management (IAM) role that enables AWS CodeBuild to interact with dependent AWS services on behalf of the AWS account.

Type: String

Pattern: `.*\S.*`

Required: Yes

ComputeType

Information about the compute resources the build project will use.

- `BUILD_GENERAL1_SMALL`: Use up to 3 GB memory and 2 vCPUs for builds
- `BUILD_GENERAL1_MEDIUM`: Use up to 7 GB memory and 4 vCPUs for builds
- `BUILD_GENERAL1_LARGE`: Use up to 15 GB memory and 8 vCPUs for builds

Type: String

Valid Values: `BUILD_GENERAL1_SMALL` | `BUILD_GENERAL1_MEDIUM` | `BUILD_GENERAL1_LARGE`

Required: No

Image

The ID of the Docker image to use for this build project.

Type: String

Pattern: `.*\S.*`

Required: Yes

TimeoutInMinutes

How long in minutes, from 5 to 480 (8 hours), for AWS CodeBuild to wait until timing out any related build that does not get marked as completed. The default is 60 minutes.

Type: Integer

Required: No

See Also

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

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

Builder

The builder used to build the custom platform.

Contents

ARN

The ARN of the builder.

Type: String

Required: No

See Also

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

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

ConfigurationOptionDescription

Describes the possible values for a configuration option.

Contents

ChangeSeverity

An indication of which action is required if the value for this configuration option changes:

- `NoInterruption` : There is no interruption to the environment or application availability.
- `RestartEnvironment` : The environment is entirely restarted, all AWS resources are deleted and recreated, and the environment is unavailable during the process.
- `RestartApplicationServer` : The environment is available the entire time. However, a short application outage occurs when the application servers on the running Amazon EC2 instances are restarted.

Type: String

Required: No

DefaultValue

The default value for this configuration option.

Type: String

Required: No

MaxLength

If specified, the configuration option must be a string value no longer than this value.

Type: Integer

Required: No

MaxValue

If specified, the configuration option must be a numeric value less than this value.

Type: Integer

Required: No

MinValue

If specified, the configuration option must be a numeric value greater than this value.

Type: Integer

Required: No

Name

The name of the configuration option.

Type: String

Required: No

Namespace

A unique namespace identifying the option's associated AWS resource.

Type: String

Required: No

Regex

If specified, the configuration option must be a string value that satisfies this regular expression.

Type: [OptionRestrictionRegex \(p. 190\)](#) object

Required: No

UserDefined

An indication of whether the user defined this configuration option:

- `true` : This configuration option was defined by the user. It is a valid choice for specifying if this as an `Option` to `Remove` when updating configuration settings.
- `false` : This configuration was not defined by the user.

Constraint: You can remove only `UserDefined` options from a configuration.

Valid Values: `true` | `false`

Type: Boolean

Required: No

ValueOptions.member.N

If specified, values for the configuration option are selected from this list.

Type: Array of strings

Required: No

ValueType

An indication of which type of values this option has and whether it is allowable to select one or more than one of the possible values:

- `Scalar` : Values for this option are a single selection from the possible values, or an unformatted string, or numeric value governed by the `MIN/MAX/Regex` constraints.
- `List` : Values for this option are multiple selections from the possible values.
- `Boolean` : Values for this option are either `true` or `false`.
- `Json` : Values for this option are a JSON representation of a `ConfigDocument`.

Type: String

Valid Values: `Scalar` | `List`

Required: No

See Also

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

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

ConfigurationOptionSetting

A specification identifying an individual configuration option along with its current value. For a list of possible option values, go to [Option Values](#) in the *AWS Elastic Beanstalk Developer Guide*.

Contents

Namespace

A unique namespace identifying the option's associated AWS resource.

Type: String

Required: No

OptionName

The name of the configuration option.

Type: String

Required: No

ResourceName

A unique resource name for a time-based scaling configuration option.

Type: String

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

Required: No

Value

The current value for the configuration option.

Type: String

Required: No

See Also

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

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

ConfigurationSettingsDescription

Describes the settings for a configuration set.

Contents

ApplicationName

The name of the application associated with this configuration set.

Type: String

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

Required: No

DateCreated

The date (in UTC time) when this configuration set was created.

Type: Timestamp

Required: No

DateUpdated

The date (in UTC time) when this configuration set was last modified.

Type: Timestamp

Required: No

DeploymentStatus

If this configuration set is associated with an environment, the `DeploymentStatus` parameter indicates the deployment status of this configuration set:

- `null`: This configuration is not associated with a running environment.
- `pending`: This is a draft configuration that is not deployed to the associated environment but is in the process of deploying.
- `deployed`: This is the configuration that is currently deployed to the associated running environment.
- `failed`: This is a draft configuration that failed to successfully deploy.

Type: String

Valid Values: `deployed` | `pending` | `failed`

Required: No

Description

Describes this configuration set.

Type: String

Length Constraints: Maximum length of 200.

Required: No

EnvironmentName

If not `null`, the name of the environment for this configuration set.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

OptionSettings.member.N

A list of the configuration options and their values in this configuration set.

Type: Array of [ConfigurationOptionSetting](#) (p. 156) objects

Required: No

PlatformArn

The ARN of the platform.

Type: String

Required: No

SolutionStackName

The name of the solution stack this configuration set uses.

Type: String

Required: No

TemplateName

If not `null`, the name of the configuration template for this configuration set.

Type: String

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

Required: No

See Also

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

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

CPUUtilization

CPU utilization metrics for an instance.

Contents

Idle

Percentage of time that the CPU has spent in the `Idle` state over the last 10 seconds.

Type: Double

Required: No

IOWait

Available on Linux environments only.

Percentage of time that the CPU has spent in the `I/O wait` state over the last 10 seconds.

Type: Double

Required: No

IRQ

Available on Linux environments only.

Percentage of time that the CPU has spent in the `IRQ` state over the last 10 seconds.

Type: Double

Required: No

Nice

Available on Linux environments only.

Percentage of time that the CPU has spent in the `Nice` state over the last 10 seconds.

Type: Double

Required: No

Privileged

Available on Windows environments only.

Percentage of time that the CPU has spent in the `Privileged` state over the last 10 seconds.

Type: Double

Required: No

SoftIRQ

Available on Linux environments only.

Percentage of time that the CPU has spent in the `SoftIRQ` state over the last 10 seconds.

Type: Double

Required: No

System

Available on Linux environments only.

Percentage of time that the CPU has spent in the `System` state over the last 10 seconds.

Type: Double

Required: No

User

Percentage of time that the CPU has spent in the `User` state over the last 10 seconds.

Type: Double

Required: No

See Also

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

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

CustomAmi

A custom AMI available to platforms.

Contents

ImageId

The ID of the image used to create the custom AMI.

Type: String

Required: No

VirtualizationType

The type of virtualization used to create the custom AMI.

Type: String

Required: No

See Also

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

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

Deployment

Information about an application version deployment.

Contents

DeploymentId

The ID of the deployment. This number increases by one each time that you deploy source code or change instance configuration settings.

Type: Long

Required: No

DeploymentTime

For in-progress deployments, the time that the deployment started.

For completed deployments, the time that the deployment ended.

Type: Timestamp

Required: No

Status

The status of the deployment:

- `In Progress` : The deployment is in progress.
- `Deployed` : The deployment succeeded.
- `Failed` : The deployment failed.

Type: String

Required: No

VersionLabel

The version label of the application version in the deployment.

Type: String

Required: No

See Also

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

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

EnvironmentDescription

Describes the properties of an environment.

Contents

AbortableOperationInProgress

Indicates if there is an in-progress environment configuration update or application version deployment that you can cancel.

`true`: There is an update in progress.

`false`: There are no updates currently in progress.

Type: Boolean

Required: No

ApplicationName

The name of the application associated with this environment.

Type: String

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

Required: No

CNAME

The URL to the CNAME for this environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

DateCreated

The creation date for this environment.

Type: Timestamp

Required: No

DateUpdated

The last modified date for this environment.

Type: Timestamp

Required: No

Description

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

Required: No

EndpointURL

For load-balanced, autoscaling environments, the URL to the LoadBalancer. For single-instance environments, the IP address of the instance.

Type: String

Required: No

EnvironmentArn

The environment's Amazon Resource Name (ARN), which can be used in other API requests that require an ARN.

Type: String

Required: No

EnvironmentId

The ID of this environment.

Type: String

Required: No

EnvironmentLinks.member.N

A list of links to other environments in the same group.

Type: Array of [EnvironmentLink](#) (p. 168) objects

Required: No

EnvironmentName

The name of this environment.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

Health

Describes the health status of the environment. AWS Elastic Beanstalk indicates the failure levels for a running environment:

- **Red:** Indicates the environment is not responsive. Occurs when three or more consecutive failures occur for an environment.
- **Yellow:** Indicates that something is wrong. Occurs when two consecutive failures occur for an environment.
- **Green:** Indicates the environment is healthy and fully functional.
- **Grey:** Default health for a new environment. The environment is not fully launched and health checks have not started or health checks are suspended during an `UpdateEnvironment` or `RestartEnvironment` request.

Default: Grey

Type: String

Valid Values: `Green` | `Yellow` | `Red` | `Grey`

Required: No

HealthStatus

Returns the health status of the application running in your environment. For more information, see [Health Colors and Statuses](#).

Type: String

Valid Values: NoData | Unknown | Pending | Ok | Info | Warning | Degraded | Severe | Suspended

Required: No

PlatformArn

The ARN of the platform.

Type: String

Required: No

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) (p. 171) object

Required: No

SolutionStackName

The name of the SolutionStack deployed with this environment.

Type: String

Required: No

Status

The current operational status of the environment:

- **Launching:** Environment is in the process of initial deployment.
- **Updating:** Environment is in the process of updating its configuration settings or application version.
- **Ready:** Environment is available to have an action performed on it, such as update or terminate.
- **Terminating:** Environment is in the shut-down process.
- **Terminated:** Environment is not running.

Type: String

Valid Values: Launching | Updating | Ready | Terminating | Terminated

Required: No

TemplateName

The name of the configuration template used to originally launch this environment.

Type: String

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

Required: No

Tier

Describes the current tier of this environment.

Type: [EnvironmentTier](#) (p. 172) object

Required: No

VersionLabel

The application version deployed in this environment.

Type: String

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

Required: No

See Also

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

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

EnvironmentInfoDescription

The information retrieved from the Amazon EC2 instances.

Contents

Ec2InstanceId

The Amazon EC2 Instance ID for this information.

Type: String

Required: No

InfoType

The type of information retrieved.

Type: String

Valid Values: `tail` | `bundle`

Required: No

Message

The retrieved information. Currently contains a presigned Amazon S3 URL. The files are deleted after 15 minutes.

Anyone in possession of this URL can access the files before they are deleted. Make the URL available only to trusted parties.

Type: String

Required: No

SampleTimestamp

The time stamp when this information was retrieved.

Type: Timestamp

Required: No

See Also

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

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

EnvironmentLink

A link to another environment, defined in the environment's manifest. Links provide connection information in system properties that can be used to connect to another environment in the same group. See [Environment Manifest \(env.yaml\)](#) for details.

Contents

EnvironmentName

The name of the linked environment (the dependency).

Type: String

Required: No

LinkName

The name of the link.

Type: String

Required: No

See Also

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

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

EnvironmentResourceDescription

Describes the AWS resources in use by this environment. This data is live.

Contents

AutoScalingGroups.member.N

The AutoScalingGroups used by this environment.

Type: Array of [AutoScalingGroup \(p. 149\)](#) objects

Required: No

EnvironmentName

The name of the environment.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

Instances.member.N

The Amazon EC2 instances used by this environment.

Type: Array of [Instance \(p. 175\)](#) objects

Required: No

LaunchConfigurations.member.N

The Auto Scaling launch configurations in use by this environment.

Type: Array of [LaunchConfiguration \(p. 180\)](#) objects

Required: No

LoadBalancers.member.N

The LoadBalancers in use by this environment.

Type: Array of [LoadBalancer \(p. 182\)](#) objects

Required: No

Queues.member.N

The queues used by this environment.

Type: Array of [Queue \(p. 200\)](#) objects

Required: No

Triggers.member.N

The AutoScaling triggers in use by this environment.

Type: Array of [Trigger \(p. 213\)](#) objects

Required: No

See Also

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

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

EnvironmentResourcesDescription

Describes the AWS resources in use by this environment. This data is not live data.

Contents

LoadBalancer

Describes the LoadBalancer.

Type: [LoadBalancerDescription](#) (p. 183) object

Required: No

See Also

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

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

EnvironmentTier

Describes the properties of an environment tier

Contents

Name

The name of this environment tier.

Valid values:

- For *Web server tier* – `WebServer`
- For *Worker tier* – `Worker`

Type: String

Required: No

Type

The type of this environment tier.

Valid values:

- For *Web server tier* – `Standard`
- For *Worker tier* – `SQS/HTTP`

Type: String

Required: No

Version

The version of this environment tier. When you don't set a value to it, Elastic Beanstalk uses the latest compatible worker tier version.

Note

This member is deprecated. Any specific version that you set may become out of date. We recommend leaving it unspecified.

Type: String

Required: No

See Also

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

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

EventDescription

Describes an event.

Contents

ApplicationName

The application associated with the event.

Type: String

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

Required: No

EnvironmentName

The name of the environment associated with this event.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 40.

Required: No

EventDate

The date when the event occurred.

Type: Timestamp

Required: No

Message

The event message.

Type: String

Required: No

PlatformArn

The ARN of the platform.

Type: String

Required: No

RequestId

The web service request ID for the activity of this event.

Type: String

Required: No

Severity

The severity level of this event.

Type: String

Valid Values: `TRACE` | `DEBUG` | `INFO` | `WARN` | `ERROR` | `FATAL`

Required: No

TemplateName

The name of the configuration associated with this event.

Type: String

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

Required: No

VersionLabel

The release label for the application version associated with this event.

Type: String

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

Required: No

See Also

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

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

Instance

The description of an Amazon EC2 instance.

Contents

Id

The ID of the Amazon EC2 instance.

Type: String

Required: No

See Also

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

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

InstanceHealthSummary

Represents summary information about the health of an instance. For more information, see [Health Colors and Statuses](#).

Contents

Degraded

Red. The health agent is reporting a high number of request failures or other issues for an instance or environment.

Type: Integer

Required: No

Info

Green. An operation is in progress on an instance.

Type: Integer

Required: No

NoData

Grey. AWS Elastic Beanstalk and the health agent are reporting no data on an instance.

Type: Integer

Required: No

Ok

Green. An instance is passing health checks and the health agent is not reporting any problems.

Type: Integer

Required: No

Pending

Grey. An operation is in progress on an instance within the command timeout.

Type: Integer

Required: No

Severe

Red. The health agent is reporting a very high number of request failures or other issues for an instance or environment.

Type: Integer

Required: No

Unknown

Grey. AWS Elastic Beanstalk and the health agent are reporting an insufficient amount of data on an instance.

Type: Integer

Required: No

Warning

Yellow. The health agent is reporting a moderate number of request failures or other issues for an instance or environment.

Type: Integer

Required: No

See Also

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

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

Latency

Represents the average latency for the slowest X percent of requests over the last 10 seconds.

Contents

P10

The average latency for the slowest 90 percent of requests over the last 10 seconds.

Type: Double

Required: No

P50

The average latency for the slowest 50 percent of requests over the last 10 seconds.

Type: Double

Required: No

P75

The average latency for the slowest 25 percent of requests over the last 10 seconds.

Type: Double

Required: No

P85

The average latency for the slowest 15 percent of requests over the last 10 seconds.

Type: Double

Required: No

P90

The average latency for the slowest 10 percent of requests over the last 10 seconds.

Type: Double

Required: No

P95

The average latency for the slowest 5 percent of requests over the last 10 seconds.

Type: Double

Required: No

P99

The average latency for the slowest 1 percent of requests over the last 10 seconds.

Type: Double

Required: No

P999

The average latency for the slowest 0.1 percent of requests over the last 10 seconds.

Type: Double

Required: No

See Also

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

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

LaunchConfiguration

Describes an Auto Scaling launch configuration.

Contents

Name

The name of the launch configuration.

Type: String

Required: No

See Also

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

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

Listener

Describes the properties of a Listener for the LoadBalancer.

Contents

Port

The port that is used by the Listener.

Type: Integer

Required: No

Protocol

The protocol that is used by the Listener.

Type: String

Required: No

See Also

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

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

LoadBalancer

Describes a LoadBalancer.

Contents

Name

The name of the LoadBalancer.

Type: String

Required: No

See Also

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

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

LoadBalancerDescription

Describes the details of a LoadBalancer.

Contents

Domain

The domain name of the LoadBalancer.

Type: String

Required: No

Listeners.member.N

A list of Listeners used by the LoadBalancer.

Type: Array of [Listener \(p. 181\)](#) objects

Required: No

LoadBalancerName

The name of the LoadBalancer.

Type: String

Required: No

See Also

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

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

ManagedAction

The record of an upcoming or in-progress managed action.

Contents

ActionDescription

A description of the managed action.

Type: String

Required: No

ActionId

A unique identifier for the managed action.

Type: String

Required: No

ActionType

The type of managed action.

Type: String

Valid Values: `InstanceRefresh` | `PlatformUpdate` | `Unknown`

Required: No

Status

The status of the managed action. If the action is `Scheduled`, you can apply it immediately with [ApplyEnvironmentManagedAction \(p. 5\)](#).

Type: String

Valid Values: `Scheduled` | `Pending` | `Running` | `Unknown`

Required: No

WindowStartTime

The start time of the maintenance window in which the managed action will execute.

Type: Timestamp

Required: No

See Also

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

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

ManagedActionHistoryItem

The record of a completed or failed managed action.

Contents

ActionDescription

A description of the managed action.

Type: String

Required: No

ActionId

A unique identifier for the managed action.

Type: String

Required: No

ActionType

The type of the managed action.

Type: String

Valid Values: `InstanceRefresh` | `PlatformUpdate` | `Unknown`

Required: No

ExecutedTime

The date and time that the action started executing.

Type: Timestamp

Required: No

FailureDescription

If the action failed, a description of the failure.

Type: String

Required: No

FailureType

If the action failed, the type of failure.

Type: String

Valid Values: `UpdateCancelled` | `CancellationFailed` | `RollbackFailed` | `RollbackSuccessful` | `InternalFailure` | `InvalidEnvironmentState` | `PermissionsError`

Required: No

FinishedTime

The date and time that the action finished executing.

Type: Timestamp

Required: No

Status

The status of the action.

Type: String

Valid Values: `Completed` | `Failed` | `Unknown`

Required: No

See Also

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

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

MaxAgeRule

A lifecycle rule that deletes application versions after the specified number of days.

Contents

DeleteSourceFromS3

Set to `true` to delete a version's source bundle from Amazon S3 when Elastic Beanstalk deletes the application version.

Type: Boolean

Required: No

Enabled

Specify `true` to apply the rule, or `false` to disable it.

Type: Boolean

Required: Yes

MaxAgeInDays

Specify the number of days to retain an application versions.

Type: Integer

Required: No

See Also

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

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

MaxCountRule

A lifecycle rule that deletes the oldest application version when the maximum count is exceeded.

Contents

DeleteSourceFromS3

Set to `true` to delete a version's source bundle from Amazon S3 when Elastic Beanstalk deletes the application version.

Type: Boolean

Required: No

Enabled

Specify `true` to apply the rule, or `false` to disable it.

Type: Boolean

Required: Yes

MaxCount

Specify the maximum number of application versions to retain.

Type: Integer

Required: No

See Also

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

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

OptionRestrictionRegex

A regular expression representing a restriction on a string configuration option value.

Contents

Label

A unique name representing this regular expression.

Type: String

Required: No

Pattern

The regular expression pattern that a string configuration option value with this restriction must match.

Type: String

Required: No

See Also

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

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

OptionSpecification

A specification identifying an individual configuration option.

Contents

Namespace

A unique namespace identifying the option's associated AWS resource.

Type: String

Required: No

OptionName

The name of the configuration option.

Type: String

Required: No

ResourceName

A unique resource name for a time-based scaling configuration option.

Type: String

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

Required: No

See Also

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

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

PlatformDescription

Detailed information about a platform.

Contents

CustomAmiList.member.N

The custom AMIs supported by the platform.

Type: Array of [CustomAmi](#) (p. 161) objects

Required: No

DateCreated

The date when the platform was created.

Type: Timestamp

Required: No

DateUpdated

The date when the platform was last updated.

Type: Timestamp

Required: No

Description

The description of the platform.

Type: String

Length Constraints: Maximum length of 200.

Required: No

Frameworks.member.N

The frameworks supported by the platform.

Type: Array of [PlatformFramework](#) (p. 196) objects

Required: No

Maintainer

Information about the maintainer of the platform.

Type: String

Required: No

OperatingSystemName

The operating system used by the platform.

Type: String

Required: No

OperatingSystemVersion

The version of the operating system used by the platform.

Type: String

Required: No

PlatformArn

The ARN of the platform.

Type: String

Required: No

PlatformCategory

The category of the platform.

Type: String

Required: No

PlatformName

The name of the platform.

Type: String

Required: No

PlatformOwner

The AWS account ID of the person who created the platform.

Type: String

Required: No

PlatformStatus

The status of the platform.

Type: String

Valid Values: `Creating` | `Failed` | `Ready` | `Deleting` | `Deleted`

Required: No

PlatformVersion

The version of the platform.

Type: String

Required: No

ProgrammingLanguages.member.N

The programming languages supported by the platform.

Type: Array of [PlatformProgrammingLanguage](#) (p. 197) objects

Required: No

SolutionStackName

The name of the solution stack used by the platform.

Type: String

Required: No

SupportedAddonList.member.N

The additions supported by the platform.

Type: Array of strings

Required: No

SupportedTierList.member.N

The tiers supported by the platform.

Type: Array of strings

Required: No

See Also

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

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

PlatformFilter

Specify criteria to restrict the results when listing custom platforms.

The filter is evaluated as the expression:

Type Operator Values[i]

Contents

Operator

The operator to apply to the `Type` with each of the `Values`.

Valid Values: `=` (equal to) | `!=` (not equal to) | `<` (less than) | `<=` (less than or equal to) | `>` (greater than) | `>=` (greater than or equal to) | `contains` | `begins_with` | `ends_with`

Type: String

Required: No

Type

The custom platform attribute to which the filter values are applied.

Valid Values: `PlatformName` | `PlatformVersion` | `PlatformStatus` | `PlatformOwner`

Type: String

Required: No

Values.member.N

The list of values applied to the custom platform attribute.

Type: Array of strings

Required: No

See Also

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

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

PlatformFramework

A framework supported by the custom platform.

Contents

Name

The name of the framework.

Type: String

Required: No

Version

The version of the framework.

Type: String

Required: No

See Also

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

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

PlatformProgrammingLanguage

A programming language supported by the platform.

Contents

Name

The name of the programming language.

Type: String

Required: No

Version

The version of the programming language.

Type: String

Required: No

See Also

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

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

PlatformSummary

Detailed information about a platform.

Contents

OperatingSystemName

The operating system used by the platform.

Type: String

Required: No

OperatingSystemVersion

The version of the operating system used by the platform.

Type: String

Required: No

PlatformArn

The ARN of the platform.

Type: String

Required: No

PlatformCategory

The category of platform.

Type: String

Required: No

PlatformOwner

The AWS account ID of the person who created the platform.

Type: String

Required: No

PlatformStatus

The status of the platform. You can create an environment from the platform once it is ready.

Type: String

Valid Values: `Creating` | `Failed` | `Ready` | `Deleting` | `Deleted`

Required: No

SupportedAddonList.member.N

The additions associated with the platform.

Type: Array of strings

Required: No

SupportedTierList.member.N

The tiers in which the platform runs.

Type: Array of strings

Required: No

See Also

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

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

Queue

Describes a queue.

Contents

Name

The name of the queue.

Type: String

Required: No

URL

The URL of the queue.

Type: String

Required: No

See Also

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

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

ResourceQuota

The AWS Elastic Beanstalk quota information for a single resource type in an AWS account. It reflects the resource's limits for this account.

Contents

Maximum

The maximum number of instances of this Elastic Beanstalk resource type that an AWS account can use.

Type: Integer

Required: No

See Also

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

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

ResourceQuotas

A set of per-resource AWS Elastic Beanstalk quotas associated with an AWS account. They reflect Elastic Beanstalk resource limits for this account.

Contents

ApplicationQuota

The quota for applications in the AWS account.

Type: [ResourceQuota \(p. 201\)](#) object

Required: No

ApplicationVersionQuota

The quota for application versions in the AWS account.

Type: [ResourceQuota \(p. 201\)](#) object

Required: No

ConfigurationTemplateQuota

The quota for configuration templates in the AWS account.

Type: [ResourceQuota \(p. 201\)](#) object

Required: No

CustomPlatformQuota

The quota for custom platforms in the AWS account.

Type: [ResourceQuota \(p. 201\)](#) object

Required: No

EnvironmentQuota

The quota for environments in the AWS account.

Type: [ResourceQuota \(p. 201\)](#) object

Required: No

See Also

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

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

S3Location

The bucket and key of an item stored in Amazon S3.

Contents

S3Bucket

The Amazon S3 bucket where the data is located.

Type: String

Length Constraints: Maximum length of 255.

Required: No

S3Key

The Amazon S3 key where the data is located.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

See Also

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

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

SingleInstanceHealth

Detailed health information about an Amazon EC2 instance in your Elastic Beanstalk environment.

Contents

ApplicationMetrics

Request metrics from your application.

Type: [ApplicationMetrics \(p. 144\)](#) object

Required: No

AvailabilityZone

The availability zone in which the instance runs.

Type: String

Required: No

Causes.member.N

Represents the causes, which provide more information about the current health status.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Color

Represents the color indicator that gives you information about the health of the EC2 instance. For more information, see [Health Colors and Statuses](#).

Type: String

Required: No

Deployment

Information about the most recent deployment to an instance.

Type: [Deployment \(p. 162\)](#) object

Required: No

HealthStatus

Returns the health status of the specified instance. For more information, see [Health Colors and Statuses](#).

Type: String

Required: No

InstanceId

The ID of the Amazon EC2 instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

InstanceType

The instance's type.

Type: String

Required: No

LaunchedAt

The time at which the EC2 instance was launched.

Type: Timestamp

Required: No

System

Operating system metrics from the instance.

Type: [SystemStatus \(p. 211\)](#) object

Required: No

See Also

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

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

SolutionStackDescription

Describes the solution stack.

Contents

PermittedFileTypes.member.N

The permitted file types allowed for a solution stack.

Type: Array of strings

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

Required: No

SolutionStackName

The name of the solution stack.

Type: String

Required: No

See Also

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

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

SourceBuildInformation

Location of the source code for an application version.

Contents

SourceLocation

The location of the source code, as a formatted string, depending on the value of `SourceRepository`

- For `CodeCommit`, the format is the repository name and commit ID, separated by a forward slash. For example, `my-git-repo/265cfa0cf6af46153527f55d6503ec030551f57a`.
- For `S3`, the format is the S3 bucket name and object key, separated by a forward slash. For example, `my-s3-bucket/Folders/my-source-file`.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Pattern: `.+/.+`

Required: Yes

SourceRepository

Location where the repository is stored.

- `CodeCommit`
- `S3`

Type: String

Valid Values: `CodeCommit` | `S3`

Required: Yes

SourceType

The type of repository.

- `Git`
- `Zip`

Type: String

Valid Values: `Git` | `Zip`

Required: Yes

See Also

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

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

SourceConfiguration

A specification for an environment configuration

Contents

ApplicationName

The name of the application associated with the configuration.

Type: String

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

Required: No

TemplateName

The name of the configuration template.

Type: String

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

Required: No

See Also

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

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

StatusCodes

Represents the percentage of requests over the last 10 seconds that resulted in each type of status code response. For more information, see [Status Code Definitions](#).

Contents

Status2xx

The percentage of requests over the last 10 seconds that resulted in a 2xx (200, 201, etc.) status code.

Type: Integer

Required: No

Status3xx

The percentage of requests over the last 10 seconds that resulted in a 3xx (300, 301, etc.) status code.

Type: Integer

Required: No

Status4xx

The percentage of requests over the last 10 seconds that resulted in a 4xx (400, 401, etc.) status code.

Type: Integer

Required: No

Status5xx

The percentage of requests over the last 10 seconds that resulted in a 5xx (500, 501, etc.) status code.

Type: Integer

Required: No

See Also

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

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

SystemStatus

CPU utilization and load average metrics for an Amazon EC2 instance.

Contents

CPUUtilization

CPU utilization metrics for the instance.

Type: [CPUUtilization](#) (p. 159) object

Required: No

LoadAverage.member.N

Load average in the last 1-minute, 5-minute, and 15-minute periods. For more information, see [Operating System Metrics](#).

Type: Array of doubles

Required: No

See Also

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

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

Tag

Describes a tag applied to a resource in an environment.

Contents

Key

The key of the tag.

Type: String

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

Required: No

Value

The value of the tag.

Type: String

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

Required: No

See Also

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

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

Trigger

Describes a trigger.

Contents

Name

The name of the trigger.

Type: String

Required: No

See Also

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

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

ValidationMessage

An error or warning for a desired configuration option value.

Contents

Message

A message describing the error or warning.

Type: String

Required: No

Namespace

The namespace to which the option belongs.

Type: String

Required: No

OptionName

The name of the option.

Type: String

Required: No

Severity

An indication of the severity of this message:

- **error**: This message indicates that this is not a valid setting for an option.
- **warning**: This message is providing information you should take into account.

Type: String

Valid Values: `error` | `warning`

Required: No

See Also

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

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

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signature Version 4 Signing Process](#) 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'THHMMSS'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 (AWS STS). For a list of services that support temporary security credentials from AWS Security Token Service, go to [AWS Services That Work with IAM](#) in the *IAM User Guide*.

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

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

ThrottlingException

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