
AWS Elastic Beanstalk

API Reference

API Version 2010-12-01



AWS Elastic Beanstalk: API Reference

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Welcome	1
Actions	2
CheckDNSAvailability	3
CreateApplication	5
CreateApplicationVersion	7
CreateConfigurationTemplate	10
CreateEnvironment	18
CreateStorageLocation	23
DeleteApplication	25
DeleteApplicationVersion	27
DeleteConfigurationTemplate	29
DeleteEnvironmentConfiguration	31
DescribeApplicationVersions	32
DescribeApplications	34
DescribeConfigurationOptions	36
DescribeConfigurationSettings	47
DescribeEnvironmentResources	53
DescribeEnvironments	55
DescribeEvents	57
ListAvailableSolutionStacks	61
RebuildEnvironment	62
RequestEnvironmentInfo	64
RestartAppServer	66
RetrieveEnvironmentInfo	67
SwapEnvironmentCNAMEs	69
TerminateEnvironment	71
UpdateApplication	75
UpdateApplicationVersion	77
UpdateConfigurationTemplate	79
UpdateEnvironment	86
ValidateConfigurationSettings	91
Data Types	93
ApplicationDescription	94
ApplicationVersionDescription	95
AutoScalingGroup	96
CheckDNSAvailabilityResult	96
ConfigurationOptionDescription	97
ConfigurationOptionSetting	99
ConfigurationSettingsDescription	99
CreateApplicationResult	101
CreateApplicationVersionResult	101
CreateConfigurationTemplateResult	101
CreateEnvironmentResult	103
CreateStorageLocationResult	105
DescribeApplicationVersionsResult	105
DescribeApplicationsResult	106
DescribeConfigurationOptionsResult	106
DescribeConfigurationSettingsResult	107
DescribeEnvironmentResourcesResult	107
DescribeEnvironmentsResult	107
DescribeEventsResult	108
EnvironmentDescription	108
EnvironmentInfoDescription	110
EnvironmentResourceDescription	111
EnvironmentResourcesDescription	112
EnvironmentTier	112
EventDescription	113
Instance	114

LaunchConfiguration	114
ListAvailableSolutionStacksResult	115
Listener	115
LoadBalancer	116
LoadBalancerDescription	116
OptionRestrictionRegex	116
OptionSpecification	117
Queue	117
RetrieveEnvironmentInfoResult	118
S3Location	118
SolutionStackDescription	119
SourceConfiguration	119
TerminateEnvironmentResult	120
Trigger	122
UpdateApplicationResult	122
UpdateApplicationVersionResult	123
UpdateConfigurationTemplateResult	123
UpdateEnvironmentResult	124
ValidateConfigurationSettingsResult	127
ValidationMessage	127
Common Parameters	129
Common Errors	131

Welcome

This is the AWS Elastic Beanstalk API Reference. This guide provides detailed information about AWS Elastic Beanstalk actions, data types, parameters, and errors.

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

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>.

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 updated on December 10, 2013.

Actions

The following actions are supported:

- [CheckDNSAvailability](#) (p. 3)
- [CreateApplication](#) (p. 5)
- [CreateApplicationVersion](#) (p. 7)
- [CreateConfigurationTemplate](#) (p. 10)
- [CreateEnvironment](#) (p. 18)
- [CreateStorageLocation](#) (p. 23)
- [DeleteApplication](#) (p. 25)
- [DeleteApplicationVersion](#) (p. 27)
- [DeleteConfigurationTemplate](#) (p. 29)
- [DeleteEnvironmentConfiguration](#) (p. 31)
- [DescribeApplicationVersions](#) (p. 32)
- [DescribeApplications](#) (p. 34)
- [DescribeConfigurationOptions](#) (p. 36)
- [DescribeConfigurationSettings](#) (p. 47)
- [DescribeEnvironmentResources](#) (p. 53)
- [DescribeEnvironments](#) (p. 55)
- [DescribeEvents](#) (p. 57)
- [ListAvailableSolutionStacks](#) (p. 61)
- [RebuildEnvironment](#) (p. 62)
- [RequestEnvironmentInfo](#) (p. 64)
- [RestartAppServer](#) (p. 66)
- [RetrieveEnvironmentInfo](#) (p. 67)
- [SwapEnvironmentCNAMEs](#) (p. 69)
- [TerminateEnvironment](#) (p. 71)
- [UpdateApplication](#) (p. 75)
- [UpdateApplicationVersion](#) (p. 77)
- [UpdateConfigurationTemplate](#) (p. 79)
- [UpdateEnvironment](#) (p. 86)
- [ValidateConfigurationSettings](#) (p. 91)

CheckDNSAvailability

Description

Checks if the specified CNAME is available.

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 in a structure named `CheckDNSAvailabilityResult`.

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 \(p. 18\)](#) is called with the provided prefix.

Type: String

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
  </CheckDNSAvailabilityResult>
</CheckDNSAvailabilityResponse>
```

AWS Elastic Beanstalk API Reference Examples

```
aws.com</FullyQualifiedCNAME>
  <Available>true</Available>
</CheckDNSAvailabilityResult>
<ResponseMetadata>
  <RequestId>12f6701f-f1d6-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</CheckDNSAvailabilityResponse>
```


CreateApplication

Description

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

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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: Minimum length of 0. Maximum length of 200.

Required: No

Response Elements

The following element is returned in a structure named `CreateApplicationResult`.

Application

The [ApplicationDescription \(p. 94\)](#) of the application.

Type: [ApplicationDescription \(p. 94\)](#)

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 131\)](#).

TooManyApplications

The caller has exceeded the limit on the number of applications associated with their account.

HTTP Status Code: 400

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?ApplicationName=SampleApp
&Description=Sample%20Description
&Operation=CreateApplication
&AuthParams
```

Sample Response

```
<CreateApplicationResponse xmlns="https://elasticbeanstalk.amazonaws
aws.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>
```

CreateApplicationVersion

Description

Creates an application version for the specified 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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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

Determines how the system behaves if the specified application for this version does not already exist:

- `true` : Automatically creates the specified application for this release if it does not already exist.
- `false` : Throws an `InvalidParameterValue` if the specified application for this release does not already exist.

Default: `false`

Valid Values: `true` | `false`

Type: Boolean

Required: No

Description

Describes this version.

Type: String

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

Required: No

SourceBundle

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

If data found at the Amazon S3 location exceeds the maximum allowed source bundle size, AWS Elastic Beanstalk returns an `InvalidParameterValue` error. The maximum size allowed is 512 MB.

Default: If not specified, AWS Elastic Beanstalk uses a sample application. If only partially specified (for example, a bucket is provided but not the key) or if no data is found at the Amazon S3 location, AWS Elastic Beanstalk returns an `InvalidParameterCombination` error.

Type: [S3Location](#) (p. 118)

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 in a structure named `CreateApplicationVersionResult`.

ApplicationVersion

The [ApplicationVersionDescription](#) (p. 95) of the application version.

Type: [ApplicationVersionDescription](#) (p. 95)

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 131).

InsufficientPrivileges

Unable to perform the specified operation because the user does not have enough privileges for one of more downstream aws services

HTTP Status Code: 403

S3LocationNotInServiceRegion

The specified S3 bucket does not belong to the S3 region in which the service is running.

HTTP Status Code: 400

TooManyApplicationVersions

The caller has exceeded the limit on the number of application versions associated with their account.

HTTP Status Code: 400

TooManyApplications

The caller has exceeded the limit on the number of applications associated with their account.

HTTP Status Code: 400

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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.amazon
aws.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>
```

CreateConfigurationTemplate

Description

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.

Related Topics

- [DescribeConfigurationOptions](#) (p. 36)
- [DescribeConfigurationSettings](#) (p. 47)
- [ListAvailableSolutionStacks](#) (p. 61)

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters](#) (p. 129).

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: Minimum length of 0. 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: [ConfigurationOptionSetting](#) (p. 99) list

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. 61) 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

Length constraints: Minimum length of 0. Maximum length of 100.

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. 119)

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 in a structure named `CreateConfigurationTemplateResult`.

ApplicationName

The name of the application associated with this configuration set.

Type: String

DateCreated

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

Type: DateTime

DateUpdated

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

Type: DateTime

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

Description

Describes this configuration set.

Type: String

EnvironmentName

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

Type: String

OptionSettings

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

Type: [ConfigurationOptionSetting \(p. 99\)](#) list

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 131\)](#).

InsufficientPrivileges

Unable to perform the specified operation because the user does not have enough privileges for one of more downstream aws services

HTTP Status Code: 403

TooManyConfigurationTemplates

The caller has exceeded the limit on the number of configuration templates associated with their account.

HTTP Status Code: 400

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?ApplicationName=SampleApp
&TemplateName=AppTemplate
```



```
&SolutionStackName=32bit%20Amazon%20Linux%20running%20Tomcat%207
&Description=ConfigTemplateDescription
&Operation=CreateConfigurationTemplate
&AuthParams
```

Sample Response

```
<CreateConfigurationTemplateResponse xmlns="https://elasticbeanstalk.amazon
aws.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>
      <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>
```

AWS Elastic Beanstalk API Reference Examples

```
<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>
```

AWS Elastic Beanstalk API Reference Examples

```
<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>
```

AWS Elastic Beanstalk API Reference Examples

```
<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>
```

CreateEnvironment

Description

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

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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: Minimum length of 0. 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 23 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 in your account. If the specified name already exists, 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 23.

Required: Yes

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: [ConfigurationOptionSetting \(p. 99\)](#) list

Required: No

OptionsToRemove.member.N

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

Type: [OptionSpecification \(p. 117\)](#) list

Required: No

SolutionStackName

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

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 0. Maximum length of 100.

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.

Condition: You must specify either this parameter or a `SolutionStackName`, 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

Tier

This specifies the tier to use for creating this environment.

Type: [EnvironmentTier \(p. 112\)](#)

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 in a structure named `CreateEnvironmentResult`.

ApplicationName

The name of the application associated with this environment.

Type: String

CNAME

The URL to the CNAME for this environment.

Type: String

DateCreated

The creation date for this environment.

Type: DateTime

DateUpdated

The last modified date for this environment.

Type: DateTime

Description

Describes this environment.

Type: String

EndpointURL

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

Type: String

EnvironmentId

The ID of this environment.

Type: String

EnvironmentName

The name of this environment.

Type: String

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

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) (p. 112)

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

TemplateName

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

Type: String

Tier

Describes the current tier of this environment.

Type: [EnvironmentTier](#) (p. 112)

VersionLabel

The application version deployed in this environment.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 131).

InsufficientPrivileges

Unable to perform the specified operation because the user does not have enough privileges for one of more downstream aws services

HTTP Status Code: 403

TooManyEnvironments

The caller has exceeded the limit of allowed environments associated with the account.

HTTP Status Code: 400

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?ApplicationName=SampleApp
&EnvironmentName=SampleApp
&SolutionStackName=32bit%20Amazon%20Linux%20running%20Tomcat%207
```

```
&Description=EnvDescrip  
&Operation=CreateEnvironment  
&AuthParams
```

Sample Response

```
<CreateEnvironmentResponse xmlns="https://elasticbeanstalk.amazon  
aws.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>
```

CreateStorageLocation

Description

Creates the Amazon S3 storage location for the account.

This location is used to store user log files.

Response Elements

The following element is returned in a structure named `CreateStorageLocationResult`.

S3Bucket

The name of the Amazon S3 bucket created.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 131\)](#).

InsufficientPrivileges

Unable to perform the specified operation because the user does not have enough privileges for one of more downstream aws services

HTTP Status Code: 403

S3SubscriptionRequired

The caller does not have a subscription to Amazon S3.

HTTP Status Code: 400

TooManyBuckets

The web service attempted to create a bucket in an Amazon S3 account that already has 100 buckets.

HTTP Status Code: 400

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```

AWS Elastic Beanstalk API Reference Examples

```
<RequestId>ef51b94a-f1d6-11df-8a78-9f77047e0d0c</RequestId>  
</ResponseMetadata>  
</CreateStorageLocationResponse>
```

DeleteApplication

Description

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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 \(p. 131\)](#).

OperationInProgress

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

HTTP Status Code: 400

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```

DeleteApplicationVersion

Description

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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

ApplicationName

The name of the application to delete releases from.

Type: String

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

Required: Yes

DeleteSourceBundle

Indicates whether to delete the associated source bundle from Amazon S3:

- `true`: An attempt is made to delete the associated Amazon S3 source bundle specified at time of creation.
- `false`: No action is taken on the Amazon S3 source bundle specified at time of creation.

Valid Values: `true` | `false`

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 \(p. 131\)](#).

InsufficientPrivileges

Unable to perform the specified operation because the user does not have enough privileges for one of more downstream aws services

HTTP Status Code: 403

OperationInProgress

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

HTTP Status Code: 400

S3LocationNotInServiceRegion

The specified S3 bucket does not belong to the S3 region in which the service is running.

HTTP Status Code: 400

SourceBundleDeletion

Unable to delete the Amazon S3 source bundle associated with the application version, although the application version deleted successfully.

HTTP Status Code: 400

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```


DeleteConfigurationTemplate

Description

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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 \(p. 131\)](#).

OperationInProgress

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

HTTP Status Code: 400

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?ApplicationName=SampleApp
&TemplateName=SampleAppTemplate
&Operation=DeleteConfigurationTemplate
&AuthParams
```

Sample Response

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

DeleteEnvironmentConfiguration

Description

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 \(p. 47\)](#) 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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 23.

Required: Yes

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```

DescribeApplicationVersions

Description

Returns descriptions for existing application versions.

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

ApplicationName

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

Type: String

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

Required: No

VersionLabels.member.N

If specified, restricts the returned descriptions to only include ones that have the specified version labels.

Type: String list

Required: No

Response Elements

The following element is returned in a structure named `DescribeApplicationVersionsResult`.

ApplicationVersions

A list of [ApplicationVersionDescription \(p. 95\)](#) .

Type: [ApplicationVersionDescription \(p. 95\)](#) list

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```

DescribeApplications

Description

Returns the descriptions of existing applications.

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

ApplicationNames.member.N

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

Type: String list

Required: No

Response Elements

The following element is returned in a structure named `DescribeApplicationsResult`.

Applications

This parameter contains a list of [ApplicationDescription \(p. 94\)](#).

Type: [ApplicationDescription \(p. 94\)](#) list

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
</DescribeApplicationsResponse>
```

```
        </ConfigurationTemplates>
    </member>
</Applications>
</DescribeApplicationsResult>
<ResponseMetadata>
    <RequestId>577c70ff-f1d7-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</DescribeApplicationsResponse>
```

DescribeConfigurationOptions

Description

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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 23.

Required: No

Options.member.N

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

Type: [OptionSpecification \(p. 117\)](#) list

Required: No

SolutionStackName

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

Type: String

Length constraints: Minimum length of 0. Maximum length of 100.

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 in a structure named `DescribeConfigurationOptionsResult`.

Options

A list of [ConfigurationOptionDescription](#) (p. 97).

Type: [ConfigurationOptionDescription](#) (p. 97) list

SolutionStackName

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

Type: String

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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/>
  <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>StickinessPolicy</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>
```

AWS Elastic Beanstalk API Reference Examples

```
<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>
```

DescribeConfigurationSettings

Description

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. 31)

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters](#) (p. 129).

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 `MissingRequiredParameter` error.

Type: String

Length constraints: Minimum length of 4. Maximum length of 23.

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 in a structure named `DescribeConfigurationSettingsResult`.

ConfigurationSettings

A list of [ConfigurationSettingsDescription](#) (p. 99).

Type: [ConfigurationSettingsDescription](#) (p. 99) list

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
              <member>
                <OptionName>SecurityGroups</OptionName>
                <Value>elasticbeanstalk-default</Value>
                <Namespace>aws:autoscaling:launchconfiguration</Namespace>
              </member>
            </OptionSettings>
          </member>
        </OptionSettings>
      </member>
    </ConfigurationSettings>
  </DescribeConfigurationSettingsResult>
</DescribeConfigurationSettingsResponse>
```

```
</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>
```

AWS Elastic Beanstalk API Reference Examples

```
        <OptionName>XX:MaxPermSize</OptionName>
        <Value>64m</Value>
        <Namespace>aws:elasticbeanstalk:container:tomcat:jv
moptions</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:jv
moptions</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>
```

AWS Elastic Beanstalk API Reference Examples

```
    <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:jv
moptions</Namespace>
</member>
```

AWS Elastic Beanstalk API Reference Examples

```
<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:java
options</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>
```


DescribeEnvironmentResources

Description

Returns AWS resources for this environment.

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 23.

Required: No

Response Elements

The following element is returned in a structure named `DescribeEnvironmentResourcesResult`.

EnvironmentResources

A list of [EnvironmentResourceDescription \(p. 111\)](#).

Type: [EnvironmentResourceDescription \(p. 111\)](#)

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 131\)](#).

InsufficientPrivileges

Unable to perform the specified operation because the user does not have enough privileges for one of more downstream aws services

HTTP Status Code: 403

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?EnvironmentId=e-hc8mvnayrx
&EnvironmentName=SampleAppVersion
&Operation=DescribeEnvironmentResources
&AuthParams
```

Sample Response

```
<DescribeEnvironmentResourcesResponse xmlns="https://elasticbeanstalk.amazonaws
aws.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>e1cb7b96-f287-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</DescribeEnvironmentResourcesResponse>
```

DescribeEnvironments

Description

Returns descriptions for existing environments.

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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: String list

Required: No

EnvironmentNames.member.N

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

Type: String list

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

IncludedDeletedBackTo

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

Type: DateTime

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 element is returned in a structure named `DescribeEnvironmentsResult`.

Environments

Returns an [EnvironmentDescription](#) (p. 108) list.

Type: [EnvironmentDescription](#) (p. 108) list

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```

DescribeEvents

Description

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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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: DateTime

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 23.

Required: No

MaxRecords

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

Type: Integer

Required: No

NextToken

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

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: DateTime

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 in a structure named `DescribeEventsResult`.

Events

A list of [EventDescription](#) (p. 113).

Type: [EventDescription](#) (p. 113) list

NextToken

If returned, this indicates that there are more results to obtain. Use this token in the next [DescribeEvents](#) (p. 57) call to get the next batch of events.

Type: String

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
      <member>
        <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>
```

AWS Elastic Beanstalk API Reference Examples

```
<RequestId>f10d02dd-f288-11df-8a78-9f77047e0d0c</RequestId>  
</ResponseMetadata>  
</DescribeEventsResponse>
```


ListAvailableSolutionStacks

Description

Returns a list of the available solution stack names.

Response Elements

The following elements are returned in a structure named `ListAvailableSolutionStacksResult`.

SolutionStackDetails

A list of available solution stacks and their [SolutionStackDescription](#) (p. 119).

Type: [SolutionStackDescription](#) (p. 119) list

SolutionStacks

A list of available solution stacks.

Type: String list

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```

RebuildEnvironment

Description

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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 23.

Required: No

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 131\)](#).

InsufficientPrivileges

Unable to perform the specified operation because the user does not have enough privileges for one of more downstream aws services

HTTP Status Code: 403

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?EnvironmentId=e-hc8mvmnayrx
&EnvironmentName=SampleAppVersion
&Operation=RebuildEnvironment
&AuthParams
```

Sample Response

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

RequestEnvironmentInfo

Description

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. Use [RetrieveEnvironmentInfo \(p. 67\)](#) to access the compiled information.

Related Topics

- [RetrieveEnvironmentInfo \(p. 67\)](#)

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 23.

Required: No

InfoType

The type of information to request.

Type: String

Valid Values: `tail`

Required: Yes

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```

RestartAppServer

Description

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

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 23.

Required: No

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```

RetrieveEnvironmentInfo

Description

Retrieves the compiled information from a [RequestEnvironmentInfo \(p. 64\)](#) request.

Related Topics

- [RequestEnvironmentInfo \(p. 64\)](#)

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 23.

Required: No

InfoType

The type of information to retrieve.

Type: String

Valid Values: `tail`

Required: Yes

Response Elements

The following element is returned in a structure named `RetrieveEnvironmentInfoResult`.

EnvironmentInfo

The [EnvironmentInfoDescription \(p. 110\)](#) of the environment.

Type: [EnvironmentInfoDescription \(p. 110\)](#) list

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.amazon.com/?EnvironmentId=e-hc8mvnayrx
&EnvironmentName=SampleAppVersion
&InfoType=tail
&Operation=RetrieveEnvironmentInfo
&AuthParams
```

Sample Response

```
<RetrieveEnvironmentInfoResponse xmlns="https://elasticbeanstalk.amazon
aws.com/docs/2010-12-01/">
  <RetrieveEnvironmentInfoResult>
    <EnvironmentInfo>
      <member>
        <Message>
          https://elasticbeanstalk.us-east-1.s3.amazonaws.com/environs%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>
```


SwapEnvironmentCNAMEs

Description

Swaps the CNAMEs of two environments.

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 23.

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 23.

Required: No

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```

TerminateEnvironment

Description

Terminates the specified environment.

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 23.

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 in a structure named `TerminateEnvironmentResult`.

ApplicationName

The name of the application associated with this environment.

Type: String

CNAME

The URL to the CNAME for this environment.

Type: String

DateCreated

The creation date for this environment.

Type: DateTime

DateUpdated

The last modified date for this environment.

Type: DateTime

Description

Describes this environment.

Type: String

EndpointURL

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

Type: String

EnvironmentId

The ID of this environment.

Type: String

EnvironmentName

The name of this environment.

Type: String

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

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) (p. 112)

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

TemplateName

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

Type: String

Tier

Describes the current tier of this environment.

Type: [EnvironmentTier](#) (p. 112)

VersionLabel

The application version deployed in this environment.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 131).

InsufficientPrivileges

Unable to perform the specified operation because the user does not have enough privileges for one of more downstream aws services

HTTP Status Code: 403

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```

AWS Elastic Beanstalk API Reference Examples

```
<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>
```

UpdateApplication

Description

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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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: Minimum length of 0. Maximum length of 200.

Required: No

Response Elements

The following element is returned in a structure named `UpdateApplicationResult`.

Application

The [ApplicationDescription \(p. 94\)](#) of the application.

Type: [ApplicationDescription \(p. 94\)](#)

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?ApplicationName=SampleApp
&Description=Another%20Description
&Operation=UpdateApplication
&AuthParams
```

Sample Response

```
<UpdateApplicationResponse xmlns="https://elasticbeanstalk.amazon
aws.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>
```


UpdateApplicationVersion

Description

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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 release.

Type: String

Length constraints: Minimum length of 0. 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 in a structure named `UpdateApplicationVersionResult`.

ApplicationVersion

The [ApplicationVersionDescription \(p. 95\)](#) of the application version.

Type: [ApplicationVersionDescription \(p. 95\)](#)

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```

UpdateConfigurationTemplate

Description

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. 36)

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters](#) (p. 129).

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: Minimum length of 0. Maximum length of 200.

Required: No

OptionSettings.member.N

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

Type: [ConfigurationOptionSetting](#) (p. 99) list

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: [OptionSpecification](#) (p. 117) list

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 in a structure named `UpdateConfigurationTemplateResult`.

ApplicationName

The name of the application associated with this configuration set.

Type: String

DateCreated

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

Type: DateTime

DateUpdated

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

Type: DateTime

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

Description

Describes this configuration set.

Type: String

EnvironmentName

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

Type: String

OptionSettings

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

Type: [ConfigurationOptionSetting \(p. 99\)](#) list

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 131\)](#).

InsufficientPrivileges

Unable to perform the specified operation because the user does not have enough privileges for one of more downstream aws services

HTTP Status Code: 403

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```

AWS Elastic Beanstalk API Reference Examples

```
<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>
```


AWS Elastic Beanstalk API Reference Examples

```
<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>
```

UpdateEnvironment

Description

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 \(p. 47\)](#) for this environment returns two setting descriptions with different `DeploymentStatus` values.

Request Parameters

For information about the common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

Description

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

Type: String

Length constraints: Minimum length of 0. 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 23.

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: [ConfigurationOptionSetting \(p. 99\)](#) list

Required: No

OptionsToRemove.member.N

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

Type: [OptionSpecification \(p. 117\)](#) list

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: You can only update the tier version for an environment. If you change the name of the type, AWS Elastic Beanstalk returns `InvalidParameterValue` error.

Type: [EnvironmentTier \(p. 112\)](#)

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 in a structure named `UpdateEnvironmentResult`.

ApplicationName

The name of the application associated with this environment.

Type: String

CNAME

The URL to the CNAME for this environment.

Type: String

DateCreated

The creation date for this environment.

Type: `DateTime`

DateUpdated

The last modified date for this environment.

Type: `DateTime`

Description

Describes this environment.

Type: String

EndpointURL

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

Type: String

EnvironmentId

The ID of this environment.

Type: String

EnvironmentName

The name of this environment.

Type: String

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

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) (p. 112)

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

TemplateName

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

Type: String

Tier

Describes the current tier of this environment.

Type: [EnvironmentTier](#) (p. 112)

VersionLabel

The application version deployed in this environment.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 131).

InsufficientPrivileges

Unable to perform the specified operation because the user does not have enough privileges for one of more downstream aws services

HTTP Status Code: 403

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```

ValidateConfigurationSettings

Description

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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

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 23.

Required: No

OptionSettings.member.N

A list of the options and desired values to evaluate.

Type: [ConfigurationOptionSetting \(p. 99\)](#) list

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 in a structure named `ValidateConfigurationSettingsResult`.

Messages

A list of [ValidationMessage \(p. 127\)](#).

Type: [ValidationMessage](#) (p. 127) list

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 131).

InsufficientPrivileges

Unable to perform the specified operation because the user does not have enough privileges for one of more downstream aws services

HTTP Status Code: 403

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.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>
```


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 the response is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- [ApplicationDescription](#) (p. 94)
- [ApplicationVersionDescription](#) (p. 95)
- [AutoScalingGroup](#) (p. 96)
- [CheckDNSAvailabilityResult](#) (p. 96)
- [ConfigurationOptionDescription](#) (p. 97)
- [ConfigurationOptionSetting](#) (p. 99)
- [ConfigurationSettingsDescription](#) (p. 99)
- [CreateApplicationResult](#) (p. 101)
- [CreateApplicationVersionResult](#) (p. 101)
- [CreateConfigurationTemplateResult](#) (p. 101)
- [CreateEnvironmentResult](#) (p. 103)
- [CreateStorageLocationResult](#) (p. 105)
- [DescribeApplicationVersionsResult](#) (p. 105)
- [DescribeApplicationsResult](#) (p. 106)
- [DescribeConfigurationOptionsResult](#) (p. 106)
- [DescribeConfigurationSettingsResult](#) (p. 107)
- [DescribeEnvironmentResourcesResult](#) (p. 107)
- [DescribeEnvironmentsResult](#) (p. 107)
- [DescribeEventsResult](#) (p. 108)
- [EnvironmentDescription](#) (p. 108)
- [EnvironmentInfoDescription](#) (p. 110)
- [EnvironmentResourceDescription](#) (p. 111)
- [EnvironmentResourcesDescription](#) (p. 112)
- [EnvironmentTier](#) (p. 112)

- [EventDescription](#) (p. 113)
- [Instance](#) (p. 114)
- [LaunchConfiguration](#) (p. 114)
- [ListAvailableSolutionStacksResult](#) (p. 115)
- [Listener](#) (p. 115)
- [LoadBalancer](#) (p. 116)
- [LoadBalancerDescription](#) (p. 116)
- [OptionRestrictionRegex](#) (p. 116)
- [OptionSpecification](#) (p. 117)
- [Queue](#) (p. 117)
- [RetrieveEnvironmentInfoResult](#) (p. 118)
- [S3Location](#) (p. 118)
- [SolutionStackDescription](#) (p. 119)
- [SourceConfiguration](#) (p. 119)
- [TerminateEnvironmentResult](#) (p. 120)
- [Trigger](#) (p. 122)
- [UpdateApplicationResult](#) (p. 122)
- [UpdateApplicationVersionResult](#) (p. 123)
- [UpdateConfigurationTemplateResult](#) (p. 123)
- [UpdateEnvironmentResult](#) (p. 124)
- [ValidateConfigurationSettingsResult](#) (p. 127)
- [ValidationMessage](#) (p. 127)

ApplicationDescription

Description

Describes the properties of an application.

Contents

ApplicationName

The name of the application.

Type: String

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

Required: No

ConfigurationTemplates

The names of the configuration templates associated with this application.

Type: String list

Required: No

DateCreated

The date when the application was created.

Type: DateTime

Required: No

DateUpdated

The date when the application was last modified.

Type: DateTime

Required: No

Description

User-defined description of the application.

Type: String

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

Required: No

Versions

The names of the versions for this application.

Type: String list

Required: No

ApplicationVersionDescription

Description

Describes the properties of an application version.

Contents

ApplicationName

The name of the application associated with this release.

Type: String

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

Required: No

DateCreated

The creation date of the application version.

Type: DateTime

Required: No

DateUpdated

The last modified date of the application version.

Type: DateTime

Required: No

Description

The description of this application version.

Type: String

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

Required: No

SourceBundle

The location where the source bundle is located for this version.

Type: [S3Location](#) (p. 118)

Required: No

VersionLabel

A label uniquely identifying the version for the associated application.

Type: String

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

Required: No

AutoScalingGroup

Description

Describes an Auto Scaling launch configuration.

Contents

Name

The name of the `AutoScalingGroup`.

Type: String

Required: No

CheckDNSAvailabilityResult

Description

Indicates if the specified CNAME is available.

Contents

Available

Indicates if the specified CNAME is available:

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

Type: Boolean

Required: No

FullyQualifiedCNAME

The fully qualified CNAME to reserve when [CreateEnvironment](#) (p. 18) is called with the provided prefix.

Type: String

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

Required: No

ConfigurationOptionDescription

Description

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. 116)

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

If specified, values for the configuration option are selected from this list.

Type: String list

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`.

Type: String

Valid Values: `Scalar` | `List`

Required: No

ConfigurationOptionSetting

Description

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

Value

The current value for the configuration option.

Type: String

Required: No

ConfigurationSettingsDescription

Description

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: DateTime

Required: No

DateUpdated

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

Type: DateTime

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: Minimum length of 0. 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 23.

Required: No

OptionSettings

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

Type: [ConfigurationOptionSetting \(p. 99\)](#) list

Required: No

SolutionStackName

The name of the solution stack this configuration set uses.

Type: String

Length constraints: Minimum length of 0. Maximum length of 100.

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

CreateApplicationResult

Description

Result message containing a single description of an application.

Contents

Application

The [ApplicationDescription](#) (p. 94) of the application.

Type: [ApplicationDescription](#) (p. 94)

Required: No

CreateApplicationVersionResult

Description

Result message wrapping a single description of an application version.

Contents

ApplicationVersion

The [ApplicationVersionDescription](#) (p. 95) of the application version.

Type: [ApplicationVersionDescription](#) (p. 95)

Required: No

CreateConfigurationTemplateResult

Description

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: DateTime

Required: No

DateUpdated

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

Type: DateTime

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: Minimum length of 0. 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 23.

Required: No

OptionSettings

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

Type: [ConfigurationOptionSetting \(p. 99\)](#) list

Required: No

SolutionStackName

The name of the solution stack this configuration set uses.

Type: String

Length constraints: Minimum length of 0. Maximum length of 100.

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

CreateEnvironmentResult

Description

Describes the properties of an environment.

Contents

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: DateTime

Required: No

DateUpdated

The last modified date for this environment.

Type: DateTime

Required: No

Description

Describes this environment.

Type: String

Length constraints: Minimum length of 0. 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

EnvironmentId

The ID of this environment.

Type: String

Required: No

EnvironmentName

The name of this environment.

Type: String

Length constraints: Minimum length of 4. Maximum length of 23.

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

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) (p. 112)

Required: No

SolutionStackName

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

Type: String

Length constraints: Minimum length of 0. Maximum length of 100.

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. 112)

Required: No

VersionLabel

The application version deployed in this environment.

Type: String

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

Required: No

CreateStorageLocationResult

Description

Results of a [CreateStorageLocationResult](#) (p. 105) call.

Contents

S3Bucket

The name of the Amazon S3 bucket created.

Type: String

Length constraints: Minimum length of 0. Maximum length of 255.

Required: No

DescribeApplicationVersionsResult

Description

Result message wrapping a list of application version descriptions.

Contents

ApplicationVersions

A list of [ApplicationVersionDescription](#) (p. 95) .

Type: [ApplicationVersionDescription](#) (p. 95) list

Required: No

DescribeApplicationsResult

Description

Result message containing a list of application descriptions.

Contents

Applications

This parameter contains a list of [ApplicationDescription](#) (p. 94).

Type: [ApplicationDescription](#) (p. 94) list

Required: No

DescribeConfigurationOptionsResult

Description

Describes the settings for a specified configuration set.

Contents

Options

A list of [ConfigurationOptionDescription](#) (p. 97).

Type: [ConfigurationOptionDescription](#) (p. 97) list

Required: No

SolutionStackName

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

Type: String

Length constraints: Minimum length of 0. Maximum length of 100.

Required: No

DescribeConfigurationSettingsResult

Description

The results from a request to change the configuration settings of an environment.

Contents

ConfigurationSettings

A list of [ConfigurationSettingsDescription](#) (p. 99).

Type: [ConfigurationSettingsDescription](#) (p. 99) list

Required: No

DescribeEnvironmentResourcesResult

Description

Result message containing a list of environment resource descriptions.

Contents

EnvironmentResources

A list of [EnvironmentResourceDescription](#) (p. 111).

Type: [EnvironmentResourceDescription](#) (p. 111)

Required: No

DescribeEnvironmentsResult

Description

Result message containing a list of environment descriptions.

Contents

Environments

Returns an [EnvironmentDescription](#) (p. 108) list.

Type: [EnvironmentDescription](#) (p. 108) list

Required: No

DescribeEventsResult

Description

Result message wrapping a list of event descriptions.

Contents

Events

A list of [EventDescription](#) (p. 113).

Type: [EventDescription](#) (p. 113) list

Required: No

NextToken

If returned, this indicates that there are more results to obtain. Use this token in the next [DescribeEvents](#) (p. 57) call to get the next batch of events.

Type: String

Required: No

EnvironmentDescription

Description

Describes the properties of an environment.

Contents

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: DateTime

Required: No

DateUpdated

The last modified date for this environment.

Type: DateTime

Required: No

Description

Describes this environment.

Type: String

Length constraints: Minimum length of 0. 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

EnvironmentId

The ID of this environment.

Type: String

Required: No

EnvironmentName

The name of this environment.

Type: String

Length constraints: Minimum length of 4. Maximum length of 23.

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

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) (p. 112)

Required: No

SolutionStackName

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

Type: String

Length constraints: Minimum length of 0. Maximum length of 100.

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. 112)

Required: No

VersionLabel

The application version deployed in this environment.

Type: String

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

Required: No

EnvironmentInfoDescription

Description

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`

Required: No

Message

The retrieved information.

Type: String

Required: No

SampleTimestamp

The time stamp when this information was retrieved.

Type: DateTime

Required: No

EnvironmentResourceDescription

Description

Describes the AWS resources in use by this environment. This data is live.

Contents

AutoScalingGroups

The `AutoScalingGroups` used by this environment.

Type: [AutoScalingGroup \(p. 96\)](#) list

Required: No

EnvironmentName

The name of the environment.

Type: String

Length constraints: Minimum length of 4. Maximum length of 23.

Required: No

Instances

The Amazon EC2 instances used by this environment.

Type: [Instance \(p. 114\)](#) list

Required: No

LaunchConfigurations

The Auto Scaling launch configurations in use by this environment.

Type: [LaunchConfiguration \(p. 114\)](#) list

Required: No

LoadBalancers

The LoadBalancers in use by this environment.

Type: [LoadBalancer \(p. 116\)](#) list

Required: No

Queues

The queues used by this environment.

Type: [Queue \(p. 117\)](#) list

Required: No

Triggers

The `AutoScaling` triggers in use by this environment.

Type: [Trigger \(p. 122\)](#) list

Required: No

EnvironmentResourcesDescription

Description

Describes the AWS resources in use by this environment. This data is not live data.

Contents

LoadBalancer

Describes the LoadBalancer.

Type: [LoadBalancerDescription \(p. 116\)](#)

Required: No

EnvironmentTier

Description

Describes the properties of an environment tier

Contents

Name

The name of this environment tier.

Type: String

Required: No

Type

The type of this environment tier.

Type: String

Required: No

Version

The version of this environment tier.

Type: String

Required: No

EventDescription

Description

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 23.

Required: No

EventDate

The date when the event occurred.

Type: DateTime

Required: No

Message

The event message.

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

Instance

Description

The description of an Amazon EC2 instance.

Contents

Id

The ID of the Amazon EC2 instance.

Type: String

Required: No

LaunchConfiguration

Description

Describes an Auto Scaling launch configuration.

Contents

Name

The name of the launch configuration.

Type: String

Required: No

ListAvailableSolutionStacksResult

Description

A list of available AWS Elastic Beanstalk solution stacks.

Contents

SolutionStackDetails

A list of available solution stacks and their [SolutionStackDescription](#) (p. 119).

Type: [SolutionStackDescription](#) (p. 119) list

Required: No

SolutionStacks

A list of available solution stacks.

Type: String list

Required: No

Listener

Description

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

LoadBalancer

Description

Describes a LoadBalancer.

Contents

Name

The name of the LoadBalancer.

Type: String

Required: No

LoadBalancerDescription

Description

Describes the details of a LoadBalancer.

Contents

Domain

The domain name of the LoadBalancer.

Type: String

Required: No

Listeners

A list of Listeners used by the LoadBalancer.

Type: [Listener \(p. 115\)](#) list

Required: No

LoadBalancerName

The name of the LoadBalancer.

Type: String

Required: No

OptionRestrictionRegex

Description

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

OptionSpecification

Description

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

Queue

Description

Describes a queue.

Contents

Name

The name of the queue.

Type: String

Required: No

URL

The URL of the queue.

Type: String

Required: No

RetrieveEnvironmentInfoResult

Description

Result message containing a description of the requested environment info.

Contents

EnvironmentInfo

The [EnvironmentInfoDescription](#) (p. 110) of the environment.

Type: [EnvironmentInfoDescription](#) (p. 110) list

Required: No

S3Location

Description

A specification of a location in Amazon S3.

Contents

S3Bucket

The Amazon S3 bucket where the data is located.

Type: String

Length constraints: Minimum length of 0. Maximum length of 255.

Required: No

S3Key

The Amazon S3 key where the data is located.

Type: String

Length constraints: Minimum length of 0. Maximum length of 1024.

Required: No

SolutionStackDescription

Description

Describes the solution stack.

Contents

PermittedFileTypes

The permitted file types allowed for a solution stack.

Type: String list

Required: No

SolutionStackName

The name of the solution stack.

Type: String

Length constraints: Minimum length of 0. Maximum length of 100.

Required: No

SourceConfiguration

Description

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

TerminateEnvironmentResult

Description

Describes the properties of an environment.

Contents

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: DateTime

Required: No

DateUpdated

The last modified date for this environment.

Type: DateTime

Required: No

Description

Describes this environment.

Type: String

Length constraints: Minimum length of 0. 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

EnvironmentId

The ID of this environment.

Type: String

Required: No

EnvironmentName

The name of this environment.

Type: String

Length constraints: Minimum length of 4. Maximum length of 23.

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

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) (p. 112)

Required: No

SolutionStackName

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

Type: String

Length constraints: Minimum length of 0. Maximum length of 100.

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. 112)

Required: No

VersionLabel

The application version deployed in this environment.

Type: String

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

Required: No

Trigger

Description

Describes a trigger.

Contents

Name

The name of the trigger.

Type: String

Required: No

UpdateApplicationResult

Description

Result message containing a single description of an application.

Contents

Application

The [ApplicationDescription](#) (p. 94) of the application.

Type: [ApplicationDescription](#) (p. 94)

Required: No

UpdateApplicationVersionResult

Description

Result message wrapping a single description of an application version.

Contents

ApplicationVersion

The [ApplicationVersionDescription](#) (p. 95) of the application version.

Type: [ApplicationVersionDescription](#) (p. 95)

Required: No

UpdateConfigurationTemplateResult

Description

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: DateTime

Required: No

DateUpdated

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

Type: DateTime

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: Minimum length of 0. 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 23.

Required: No

OptionSettings

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

Type: [ConfigurationOptionSetting \(p. 99\)](#) list

Required: No

SolutionStackName

The name of the solution stack this configuration set uses.

Type: String

Length constraints: Minimum length of 0. Maximum length of 100.

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

UpdateEnvironmentResult

Description

Describes the properties of an environment.

Contents

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: DateTime

Required: No

DateUpdated

The last modified date for this environment.

Type: DateTime

Required: No

Description

Describes this environment.

Type: String

Length constraints: Minimum length of 0. 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

EnvironmentId

The ID of this environment.

Type: String

Required: No

EnvironmentName

The name of this environment.

Type: String

Length constraints: Minimum length of 4. Maximum length of 23.

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`

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) (p. 112)

Required: `No`

SolutionStackName

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

Type: `String`

Length constraints: Minimum length of 0. Maximum length of 100.

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. 112)

Required: `No`

VersionLabel

The application version deployed in this environment.

Type: String

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

Required: No

ValidateConfigurationSettingsResult

Description

Provides a list of validation messages.

Contents

Messages

A list of [ValidationMessage](#) (p. 127).

Type: [ValidationMessage](#) (p. 127) list

Required: No

ValidationMessage

Description

An error or warning for a desired configuration option value.

Contents

Message

A message describing the error or warning.

Type: String

Required: No

Namespace

Type: String

Required: No

OptionName

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

Common Parameters

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

Action

The action to be performed.

Default: None

Type: string

Required: Yes

AuthParams

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

- `AWSSessionToken`
- `SignatureVersion`
- `Timestamp`
- `Signature`

Default: None

Required: Conditional

AWSSessionToken

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

Default: None

Type: string

Required: Yes

Expires

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

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

Default: None

Type: string

Required: Conditional

SecurityToken

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

Default: None

Type: string

Required: No

Signature

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

Default: None

Type: string

Required: Yes

SignatureMethod

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

Default: None

Type: string

Valid Values: HmacSHA256 | HmacSHA1

Required: Yes

SignatureVersion

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

Default: None

Type: string

Required: Yes

Timestamp

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

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

Default: None

Type: string

Required: Conditional

Version

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

Default: None

Type: string

Required: Yes

Common Errors

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

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

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

HTTP Status Code: 500

InvalidAction

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

HTTP Status Code: 400

InvalidClientTokenId

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

HTTP Status Code: 403

InvalidParameterCombination

Parameters that must not be used together were used together.

HTTP Status Code: 400

InvalidParameterValue

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

HTTP Status Code: 400

InvalidQueryParameter

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

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error.

HTTP Status Code: 404

MissingAction

The request is missing an action or a required parameter.

HTTP Status Code: 400

MissingAuthenticationToken

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

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

OptInRequired

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

HTTP Status Code: 403

RequestExpired

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

HTTP Status Code: 400

ServiceUnavailable

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

HTTP Status Code: 503

Throttling

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

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

HTTP Status Code: 400