
AWS Elastic Beanstalk

API Reference

API Version 2010-12-01



AWS Elastic Beanstalk: API Reference

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Welcome

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

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

Endpoints

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

This document was last published on December 9, 2016.

Actions

The following actions are supported:

- [AbortEnvironmentUpdate](#) (p. 4)
- [ApplyEnvironmentManagedAction](#) (p. 5)
- [CheckDNSAvailability](#) (p. 7)
- [ComposeEnvironments](#) (p. 9)
- [CreateApplication](#) (p. 11)
- [CreateApplicationVersion](#) (p. 13)
- [CreateConfigurationTemplate](#) (p. 16)
- [CreateEnvironment](#) (p. 24)
- [CreateStorageLocation](#) (p. 29)
- [DeleteApplication](#) (p. 30)
- [DeleteApplicationVersion](#) (p. 31)
- [DeleteConfigurationTemplate](#) (p. 33)
- [DeleteEnvironmentConfiguration](#) (p. 35)
- [DescribeApplications](#) (p. 36)
- [DescribeApplicationVersions](#) (p. 38)
- [DescribeConfigurationOptions](#) (p. 40)
- [DescribeConfigurationSettings](#) (p. 51)
- [DescribeEnvironmentHealth](#) (p. 57)
- [DescribeEnvironmentManagedActionHistory](#) (p. 60)
- [DescribeEnvironmentManagedActions](#) (p. 61)
- [DescribeEnvironmentResources](#) (p. 62)
- [DescribeEnvironments](#) (p. 64)
- [DescribeEvents](#) (p. 66)
- [DescribeInstancesHealth](#) (p. 69)
- [ListAvailableSolutionStacks](#) (p. 72)
- [RebuildEnvironment](#) (p. 73)
- [RequestEnvironmentInfo](#) (p. 75)
- [RestartAppServer](#) (p. 77)
- [RetrieveEnvironmentInfo](#) (p. 78)
- [SwapEnvironmentCNAMEs](#) (p. 80)

- [TerminateEnvironment](#) (p. 82)
- [UpdateApplication](#) (p. 86)
- [UpdateApplicationVersion](#) (p. 88)
- [UpdateConfigurationTemplate](#) (p. 90)
- [UpdateEnvironment](#) (p. 97)
- [ValidateConfigurationSettings](#) (p. 102)

AbortEnvironmentUpdate

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

EnvironmentId

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

Type: String

Required: No

EnvironmentName

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

Type: String

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

Required: No

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

InsufficientPrivileges

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

HTTP Status Code: 403

ApplyEnvironmentManagedAction

Applies a scheduled managed action immediately. A managed action can be applied only if its status is `Scheduled`. Get the status and action ID of a managed action with [DescribeEnvironmentManagedActions](#) (p. 61).

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

ActionId

The action ID of the scheduled managed action to execute.

Type: String

Required: Yes

EnvironmentId

The environment ID of the target environment.

Type: String

Required: No

EnvironmentName

The name of the target environment.

Type: String

Required: No

Response Elements

The following elements are returned by the service.

ActionDescription

A description of the managed action.

Type: String

ActionId

The action ID of the managed action.

Type: String

ActionType

The type of managed action.

Type: String

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

Status

The status of the managed action.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

ManagedActionInvalidState

Cannot modify the managed action in its current state.

HTTP Status Code: 400

CheckDNSAvailability

Checks if the specified CNAME is available.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

CNAMEPrefix

The prefix used when this CNAME is reserved.

Type: String

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

Required: Yes

Response Elements

The following elements are returned by the service.

Available

Indicates if the specified CNAME is available:

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

Type: Boolean

FullyQualifiedCNAME

The fully qualified CNAME to reserve when [CreateEnvironment](#) (p. 24) is called with the provided prefix.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

Example

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>
    <Available>>true</Available>
```

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Example

```
</CheckDNSAvailabilityResult>  
<ResponseMetadata>  
  <RequestId>12f6701f-f1d6-11df-8a78-9f77047e0d0c</RequestId>  
</ResponseMetadata>  
</CheckDNSAvailabilityResponse>
```

ComposeEnvironments

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

ApplicationName

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

Type: String

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

Required: No

GroupName

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

Type: String

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

Required: No

VersionLabels.member.N

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

Type: array of Strings

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

Required: No

Response Elements

The following element is returned by the service.

Environments.member.N

Returns an [EnvironmentDescription](#) (p. 119) list.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

InsufficientPrivileges

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

HTTP Status Code: 403

TooManyEnvironments

The specified account has reached its limit of environments.

HTTP Status Code: 400

CreateApplication

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 151\)](#).

ApplicationName

The name of the application.

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

Type: String

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

Required: Yes

Description

Describes the application.

Type: String

Length Constraints: Maximum length of 200.

Required: No

Response Elements

The following element is returned by the service.

Application

The [ApplicationDescription \(p. 106\)](#) of the application.

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 153\)](#).

TooManyApplications

The specified account has reached its limit of applications.

HTTP Status Code: 400

Example

Sample Request

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

Sample Response

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

CreateApplicationVersion

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

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

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

Specify a source bundle in S3 with `SourceBundle`

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

Note

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 151\)](#).

ApplicationName

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

Type: String

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

Required: Yes

AutoCreateApplication

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

Type: Boolean

Required: No

BuildConfiguration

Settings for an AWS CodeBuild build.

Type: [BuildConfiguration \(p. 111\)](#) object

Required: No

Description

Describes this version.

Type: String

Length Constraints: Maximum length of 200.

Required: No

Process

Preprocesses and validates the environment manifest and configuration files in the source bundle. Validating configuration files can identify issues prior to deploying the application version to an environment.

Type: Boolean

Required: No

SourceBuildInformation

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

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

Required: No

SourceBundle

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

Note

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

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

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

Required: No

VersionLabel

A label identifying this version.

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

Type: String

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

Required: Yes

Response Elements

The following element is returned by the service.

ApplicationVersion

The [ApplicationVersionDescription](#) (p. 108) of the application version.

Type: [ApplicationVersionDescription](#) (p. 108) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

CodeBuildNotInServiceRegion

AWS CodeBuild is not available in the specified region.

HTTP Status Code: 400

InsufficientPrivileges

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

HTTP Status Code: 403

S3LocationNotInServiceRegion

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

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

HTTP Status Code: 400

TooManyApplications

The specified account has reached its limit of applications.

HTTP Status Code: 400

TooManyApplicationVersions

The specified account has reached its limit of application versions.

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-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.amazonaws.com/docs/2010-12-01/">
  <CreateApplicationVersionResult>
    <ApplicationVersion>
      <SourceBundle>
        <S3Bucket>amazonaws.com</S3Bucket>
        <S3Key>sample.war</S3Key>
      </SourceBundle>
      <VersionLabel>Version1</VersionLabel>
      <Description>description</Description>
      <ApplicationName>SampleApp</ApplicationName>
      <DateCreated>2010-11-17T03:21:59.161Z</DateCreated>
      <DateUpdated>2010-11-17T03:21:59.161Z</DateUpdated>
    </ApplicationVersion>
  </CreateApplicationVersionResult>
  <ResponseMetadata>
    <RequestId>d653efef-f1f9-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</CreateApplicationVersionResponse>
```

CreateConfigurationTemplate

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

Related Topics

- [DescribeConfigurationOptions](#) (p. 40)
- [DescribeConfigurationSettings](#) (p. 51)
- [ListAvailableSolutionStacks](#) (p. 72)

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

ApplicationName

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

Type: String

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

Required: Yes

Description

Describes this configuration.

Type: String

Length Constraints: Maximum length of 200.

Required: No

EnvironmentId

The ID of the environment used with this configuration template.

Type: String

Required: No

OptionSettings.member.N

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

Type: array of [ConfigurationOptionSetting](#) (p. 114) objects

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. 72) 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: 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 \(p. 145\)](#) object

Required: No

TemplateName

The name of the configuration template.

Constraint: This name must be unique per application.

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

Type: String

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

Required: Yes

Response Elements

The following elements are returned by the service.

ApplicationName

The name of the application associated with this configuration set.

Type: String

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

DateCreated

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

Type: Timestamp

DateUpdated

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

Type: Timestamp

DeploymentStatus

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

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

Type: String

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

Description

Describes this configuration set.

Type: String

Length Constraints: Maximum length of 200.

EnvironmentName

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

Type: String

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

OptionSettings.member.N

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

Type: array of [ConfigurationOptionSetting \(p. 114\)](#) objects

SolutionStackName

The name of the solution stack this configuration set uses.

Type: String

Length Constraints: Maximum length of 100.

TemplateName

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

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 153\)](#).

InsufficientPrivileges

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

HTTP Status Code: 403

TooManyBuckets

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

HTTP Status Code: 400

TooManyConfigurationTemplates

The specified account has reached its limit of configuration templates.

HTTP Status Code: 400

Example

Sample Request

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

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

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Example

```
</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>
```

AWS Elastic Beanstalk API Reference
Example

```
<OptionName>PARAM2</OptionName>
<Value/>
<Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>LoadBalancerHTTPPort</OptionName>
  <Value>80</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <OptionName>Timeout</OptionName>
  <Value>5</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>BreachDuration</OptionName>
  <Value>2</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>MonitoringInterval</OptionName>
  <Value>5 minute</Value>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>PARAM1</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>MaxSize</OptionName>
  <Value>4</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>LowerThreshold</OptionName>
  <Value>2000000</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>AWS_SECRET_KEY</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>AWS_ACCESS_KEY_ID</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>UpperThreshold</OptionName>
  <Value>6000000</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Notification Protocol</OptionName>
  <Value>email</Value>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
```

AWS Elastic Beanstalk API Reference
Example

```
<member>
  <OptionName>Unit</OptionName>
  <Value>Bytes</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Xmx</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</
Namespace>
</member>
<member>
  <OptionName>Cooldown</OptionName>
  <Value>360</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>Period</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Xms</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</
Namespace>
</member>
<member>
  <OptionName>EC2KeyName</OptionName>
  <Value/>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>Stickiness Policy</OptionName>
  <Value>>false</Value>
  <Namespace>aws:elb:policies</Namespace>
</member>
<member>
  <OptionName>PARAM3</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>HealthyThreshold</OptionName>
  <Value>3</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>SSLCertificateId</OptionName>
  <Value/>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
</OptionSettings>
<Description>ConfigTemplateDescription</Description>
<ApplicationName>SampleApp</ApplicationName>
<DateCreated>2010-11-17T03:48:19.640Z</DateCreated>
<TemplateName>AppTemplate</TemplateName>
<DateUpdated>2010-11-17T03:48:19.640Z</DateUpdated>
</CreateConfigurationTemplateResult>
```

AWS Elastic Beanstalk API Reference
Example

```
<ResponseMetadata>  
  <RequestId>846cd905-f1fd-11df-8a78-9f77047e0d0c</RequestId>  
</ResponseMetadata>  
</CreateConfigurationTemplateResponse>
```

CreateEnvironment

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

ApplicationName

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

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

Type: String

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

Required: Yes

CNAMEPrefix

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

Type: String

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

Required: No

Description

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

Required: No

EnvironmentName

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

Constraint: Must be from 4 to 40 characters in length. The name can contain only letters, numbers, and hyphens. It cannot start or end with a hyphen. This name must be unique 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 40.

Required: No

GroupName

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

Type: String

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

Required: No

OptionSettings.member.N

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

Type: array of [ConfigurationOptionSetting](#) (p. 114) objects

Required: No

OptionsToRemove.member.N

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

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

Required: No

SolutionStackName

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

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: Maximum length of 100.

Required: No

Tags.member.N

This specifies the tags applied to resources in the environment.

Type: array of [Tag \(p. 148\)](#) objects

Required: No

TemplateName

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

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 \(p. 126\)](#) object

Required: No

VersionLabel

The name of the application version to deploy.

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

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

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

AbortableOperationInProgress

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

`true`: There is an update in progress.

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

Type: Boolean

ApplicationName

The name of the application associated with this environment.

Type: String

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

CNAME

The URL to the CNAME for this environment.

Type: String

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

DateCreated

The creation date for this environment.

Type: Timestamp

DateUpdated

The last modified date for this environment.

Type: Timestamp

Description

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

EndpointURL

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

Type: String

EnvironmentId

The ID of this environment.

Type: String

EnvironmentLinks.member.N

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

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

EnvironmentName

The name of this environment.

Type: String

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

Health

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

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

Default: `Grey`

Type: String

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

HealthStatus

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

Type: String

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

Resources

The description of the AWS resources used by this environment.

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

SolutionStackName

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

Type: String

Length Constraints: Maximum length of 100.

Status

The current operational status of the environment:

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

Type: String

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

TemplateName

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

Type: String

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

Tier

Describes the current tier of this environment.

Type: [EnvironmentTier](#) (p. 126) object

VersionLabel

The application version deployed in this environment.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

InsufficientPrivileges

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

HTTP Status Code: 403

TooManyEnvironments

The specified account has reached its limit of environments.

HTTP Status Code: 400

Example

Sample Request

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

CreateStorageLocation

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 by the service.

S3Bucket

The name of the Amazon S3 bucket created.
Type: String
Length Constraints: Maximum length of 255.

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 153\)](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one of more AWS services.
HTTP Status Code: 403

S3SubscriptionRequired

The specified account does not have a subscription to Amazon S3.
HTTP Status Code: 400

TooManyBuckets

The specified account has reached its limit of Amazon S3 buckets.
HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-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>  
    <RequestId>ef51b94a-f1d6-11df-8a78-9f77047e0d0c</RequestId>  
  </ResponseMetadata>  
</CreateStorageLocationResponse>
```

DeleteApplication

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

Note

You cannot delete an application that has a running environment.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 151\)](#).

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 \(p. 153\)](#).

OperationInProgressFailure

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

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-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

Deletes the specified version from the specified application.

Note

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

ApplicationName

The name of the application to which the version belongs.

Type: String

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

Required: Yes

DeleteSourceBundle

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

Type: Boolean

Required: No

VersionLabel

The label of the version to delete.

Type: String

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

Required: Yes

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

InsufficientPrivileges

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

HTTP Status Code: 403

OperationInProgressFailure

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

HTTP Status Code: 400

S3LocationNotInServiceRegion

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

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

HTTP Status Code: 400

SourceBundleDeletionFailure

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

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-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

Deletes the specified configuration template.

Note

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 151\)](#).

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 \(p. 153\)](#).

OperationInProgressFailure

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

HTTP Status Code: 400

Example

Sample Request

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

Sample Response

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




DeleteEnvironmentConfiguration

Deletes the draft configuration associated with the running environment.

Updating a running environment with any configuration changes creates a draft configuration set. You can get the draft configuration using [DescribeConfigurationSettings \(p. 51\)](#) while the update is in progress or if the update fails. The `DeploymentStatus` for the draft configuration indicates whether the deployment is in process or has failed. The draft configuration remains in existence until it is deleted with this action.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 151\)](#).

ApplicationName

The name of the application the environment is associated with.

Type: String

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

Required: Yes

EnvironmentName

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

Type: String

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

Required: Yes

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 153\)](#).

Example

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>
```

DescribeApplications

Returns the descriptions of existing applications.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

ApplicationNames.member.N

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

Type: array of Strings

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

Required: No

Response Elements

The following element is returned by the service.

Applications.member.N

This parameter contains a list of [ApplicationDescription](#) (p. 106).

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

Example

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>
```

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

DescribeApplicationVersions

Retrieve a list of application versions.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

ApplicationName

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

Type: String

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

Required: No

MaxRecords

Specify a maximum number of application versions to paginate in the request.

Type: Integer

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

Required: No

NextToken

Specify a next token to retrieve the next page in a paginated request.

Type: String

Required: No

VersionLabels.member.N

Specify a version label to show a specific application version.

Type: array of Strings

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

Required: No

Response Elements

The following elements are returned by the service.

ApplicationVersions.member.N

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

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

NextToken

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

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

Example

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>
```

DescribeConfigurationOptions

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 151\)](#).

ApplicationName

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

Type: String

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

Required: No

EnvironmentName

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

Type: String

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

Required: No

Options.member.N

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

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

Required: No

SolutionStackName

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

Type: String

Length Constraints: 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 by the service.

Options.member.N

A list of [ConfigurationOptionDescription \(p. 112\)](#).

Type: array of [ConfigurationOptionDescription \(p. 112\)](#) objects

SolutionStackName

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

Type: String

Length Constraints: Maximum length of 100.

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 153\)](#).

TooManyBuckets

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

HTTP Status Code: 400

Example

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>

```

AWS Elastic Beanstalk API Reference
Example

```
    <Pattern>^\S*$</Pattern>
    <Label>nospaces</Label>
  </Regex>
  <Name>Xms</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>256m</DefaultValue>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</
Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>EC2KeyName</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <Name>Stickiness Policy</Name>
  <ValueType>Boolean</ValueType>
  <DefaultValue>>false</DefaultValue>
  <Namespace>aws:elb:policies</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>PARAM3</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>2</MinValue>
  <Name>HealthyThreshold</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>3</DefaultValue>
  <MaxValue>10</MaxValue>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>SSLCertificateId</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
</Options>
</DescribeConfigurationOptionsResult>
<ResponseMetadata>
  <RequestId>e8768900-f272-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
```



```
</DescribeConfigurationOptionsResponse>
```

DescribeConfigurationSettings

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

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

Related Topics

- [DeleteEnvironmentConfiguration \(p. 35\)](#)

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 151\)](#).

ApplicationName

The application for the environment or configuration template.

Type: String

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

Required: Yes

EnvironmentName

The name of the environment to describe.

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

Type: String

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

Required: No

TemplateName

The name of the configuration template to describe.

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

Type: String

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

Required: No

Response Elements

The following element is returned by the service.

ConfigurationSettings.member.N

A list of [ConfigurationSettingsDescription \(p. 115\)](#).

Type: array of [ConfigurationSettingsDescription \(p. 115\)](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 153\)](#).

TooManyBuckets

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

HTTP Status Code: 400

Example

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>
        </ConfigurationSettings>
      </member>
    </DescribeConfigurationSettingsResult>
  </DescribeConfigurationSettingsResponse>
```

AWS Elastic Beanstalk API Reference
Example

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

```

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

```

AWS Elastic Beanstalk API Reference
Example

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

AWS Elastic Beanstalk API Reference
Example

```
</member>
<member>
  <OptionName>Period</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Xms</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</
Namespace>
</member>
<member>
  <OptionName>EC2KeyName</OptionName>
  <Value/>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>Stickiness Policy</OptionName>
  <Value>>false</Value>
  <Namespace>aws:elb:policies</Namespace>
</member>
<member>
  <OptionName>PARAM3</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</
Namespace>
</member>
<member>
  <OptionName>HealthyThreshold</OptionName>
  <Value>3</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>SSLCertificateId</OptionName>
  <Value/>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
</OptionSettings>
<Description>Default Configuration Template</Description>
<ApplicationName>SampleApp</ApplicationName>
<DateCreated>2010-11-17T03:20:17.832Z</DateCreated>
<TemplateName>Default</TemplateName>
<DateUpdated>2010-11-17T03:20:17.832Z</DateUpdated>
</member>
</ConfigurationSettings>
</DescribeConfigurationSettingsResult>
<ResponseMetadata>
  <RequestId>4bde8884-f273-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</DescribeConfigurationSettingsResponse>
```

DescribeEnvironmentHealth

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

AttributeNames.member.N

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

Type: array of Strings

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

Required: No

EnvironmentId

Specify the environment by ID.

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

Type: String

Required: No

EnvironmentName

Specify the environment by name.

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

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

ApplicationMetrics

Application request metrics for the environment.

Type: [ApplicationMetrics](#) (p. 107) object

Causes.member.N

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

Type: array of Strings

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

Color

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

Type: String

EnvironmentName

The environment's name.

Type: String

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

HealthStatus

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

Type: String

InstancesHealth

Summary health information for the instances in the environment.

Type: [InstanceHealthSummary](#) (p. 129) object

RefreshedAt

The date and time that the health information was retrieved.

Type: Timestamp

Status

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

Type: String

Valid Values: Green | Yellow | Red | Grey

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InvalidRequest

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

HTTP Status Code: 400

Example

Sample Request

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

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

Sample Response

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

<DescribeEnvironmentHealthResponse xmlns='http://
elasticbeanstalk.amazonaws.com/docs/2010-12-01/'>
  <DescribeEnvironmentHealthResult>
    <HealthStatus>Degraded</HealthStatus>
```

AWS Elastic Beanstalk API Reference
Example

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

DescribeEnvironmentManagedActionHistory

Lists an environment's completed and failed managed actions.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

EnvironmentId

The environment ID of the target environment.

Type: String

Required: No

EnvironmentName

The name of the target environment.

Type: String

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

Required: No

MaxItems

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

Type: Integer

Required: No

NextToken

The pagination token returned by a previous request.

Type: String

Required: No

Response Elements

The following elements are returned by the service.

ManagedActionHistoryItems.member.N

A list of completed and failed managed actions.

Type: array of [ManagedActionHistoryItem](#) (p. 136) objects

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

NextToken

A pagination token that you pass to [DescribeEnvironmentManagedActionHistory](#) (p. 60) to get the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

DescribeEnvironmentManagedActions

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

EnvironmentId

The environment ID of the target environment.

Type: String

Required: No

EnvironmentName

The name of the target environment.

Type: String

Required: No

Status

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

Type: String

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

Required: No

Response Elements

The following element is returned by the service.

ManagedActions.member.N

A list of upcoming and in-progress managed actions.

Type: array of [ManagedAction](#) (p. 135) objects

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

DescribeEnvironmentResources

Returns AWS resources for this environment.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 151\)](#).

EnvironmentId

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

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

Type: String

Required: No

EnvironmentName

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

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

Type: String

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

Required: No

Response Elements

The following element is returned by the service.

EnvironmentResources

A list of [EnvironmentResourceDescription \(p. 124\)](#).

Type: [EnvironmentResourceDescription \(p. 124\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 153\)](#).

InsufficientPrivileges

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

HTTP Status Code: 403

Example

Sample Request

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

Sample Response

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

DescribeEnvironments

Returns descriptions for existing environments.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 151\)](#).

ApplicationName

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

Type: String

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

Required: No

EnvironmentIds.member.N

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

Type: array of Strings

Required: No

EnvironmentNames.member.N

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

Type: array of Strings

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

Required: No

IncludedDeletedBackTo

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

Type: Timestamp

Required: No

IncludeDeleted

Indicates whether to include deleted environments:

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

`false`: Do not include deleted environments.

Type: Boolean

Required: No

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 by the service.

Environments.member.N

Returns an [EnvironmentDescription \(p. 119\)](#) list.

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 153\)](#).

Example

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

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

Note

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

ApplicationName

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

Type: String

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

Required: No

EndTime

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

Type: Timestamp

Required: No

EnvironmentId

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

Type: String

Required: No

EnvironmentName

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

Type: String

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

Required: No

MaxRecords

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

Type: Integer

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

Required: No

NextToken

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

Type: String

Required: No

RequestId

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

Type: String

Required: No

Severity

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

Type: String

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

Required: No

StartTime

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

Type: Timestamp

Required: No

TemplateName

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

Type: String

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

Required: No

VersionLabel

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

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

Events.member.N

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

Type: array of [EventDescription](#) (p. 127) objects

NextToken

If returned, this indicates that there are more results to obtain. Use this token in the next [DescribeEvents](#) (p. 66) call to get the next batch of events.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

Example

Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?ApplicationName=SampleApp
&Severity=TRACE
&StartTime=2010-11-17T10%3A26%3A40Z
&Operation=DescribeEvents
&AuthParams
```

Sample Response

AWS Elastic Beanstalk API Reference
Example

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

DescribeInstancesHealth

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

AttributeNames.member.N

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

Type: array of Strings

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

Required: No

EnvironmentId

Specify the AWS Elastic Beanstalk environment by ID.

Type: String

Required: No

EnvironmentName

Specify the AWS Elastic Beanstalk environment by name.

Type: String

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

Required: No

NextToken

Specify the pagination token returned by a previous call.

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

InstanceHealthList.member.N

Detailed health information about each instance.

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

NextToken

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

Type: String

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

RefreshedAt

The date and time that the health information was retrieved.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InvalidRequest

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

HTTP Status Code: 400

Example

Sample Request

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

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

Sample Response

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

<DescribeInstancesHealthResponse xmlns='http://
elasticbeanstalk.amazonaws.com/docs/2010-12-01/'>
  <DescribeInstancesHealthResult>
    <InstanceHealthList>
      <member>
        <HealthStatus>Degraded</HealthStatus>
        <System>
          <CPUUtilization>
            <Idle>6.9</Idle>
            <System>46.2</System>
            <SoftIRQ>0.6</SoftIRQ>
            <Nice>0.0</Nice>
            <IOWait>0.1</IOWait>
            <User>46.2</User>
            <IRQ>0.0</IRQ>
          </CPUUtilization>
          <LoadAverage>
            <member>3.81</member>
            <member>2.11</member>
          </LoadAverage>
        </System>
      </member>
    </InstanceHealthList>
  </DescribeInstancesHealthResult>
  <ResponseMetadata>
    <RequestId>94808e26-3a47-11e5-94eb-3d0f44fb8967</RequestId>
  </ResponseMetadata>
</DescribeInstancesHealthResponse>
```

```
        <member>0.93</member>
    </LoadAverage>
</System>
<LaunchedAt>2015-07-17T07:58:58Z</LaunchedAt>
<Color>Red</Color>
<InstanceId>i-dc6ee922</InstanceId>
<ApplicationMetrics>
    <Duration>10</Duration>
    <StatusCodes>
        <Status5xx>843</Status5xx>
        <Status4xx>0</Status4xx>
        <Status3xx>0</Status3xx>
        <Status2xx>3391</Status2xx>
    </StatusCodes>
    <Latency>
        <P90>0.002</P90>
        <P999>1.367</P999>
        <P99>0.003</P99>
        <P85>0.002</P85>
        <P50>0.001</P50>
        <P75>0.001</P75>
        <P95>0.002</P95>
        <P10>0.0</P10>
    </Latency>
    <RequestCount>4234</RequestCount>
</ApplicationMetrics>
<Causes>
    <member>19.9 % of the requests are failing with HTTP 5xx.</member>
    <member>93 % of CPU is in use.</member>
</Causes>
</member>
</InstanceHealthList>
<RefreshedAt>2015-08-04T01:24:34Z</RefreshedAt>
</DescribeInstancesHealthResult>
<ResponseMetadata>
    <RequestId>94a07242-3a47-11e5-91c3-1f9989a744d4</RequestId>
</ResponseMetadata>
</DescribeInstancesHealthResponse>
```

ListAvailableSolutionStacks

Returns a list of the available solution stack names.

Response Elements

The following elements are returned by the service.

SolutionStackDetails.member.N

A list of available solution stacks and their [SolutionStackDescription](#) (p. 143).

Type: array of [SolutionStackDescription](#) (p. 143) objects

SolutionStacks.member.N

A list of available solution stacks.

Type: array of Strings

Length Constraints: Maximum length of 100.

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

Example

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

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

EnvironmentId

The ID of the environment to rebuild.

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

Type: String

Required: No

EnvironmentName

The name of the environment to rebuild.

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

Type: String

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

Required: No

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

InsufficientPrivileges

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

HTTP Status Code: 403

Example

Sample Request

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

Sample Response

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


RequestEnvironmentInfo

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

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

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

Use [RetrieveEnvironmentInfo \(p. 78\)](#) to obtain the set of logs.

Related Topics

- [RetrieveEnvironmentInfo \(p. 78\)](#)

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 151\)](#).

EnvironmentId

The ID of the environment of the requested data.

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

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

Type: String

Required: No

EnvironmentName

The name of the environment of the requested data.

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

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

Type: String

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

Required: No

InfoType

The type of information to request.

Type: String

Valid Values: `tail` | `bundle`

Required: Yes

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 153\)](#).

Example

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

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

EnvironmentId

The ID of the environment to restart the server for.

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

Type: String

Required: No

EnvironmentName

The name of the environment to restart the server for.

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

Type: String

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

Required: No

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

Example

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

Retrieves the compiled information from a [RequestEnvironmentInfo \(p. 75\)](#) request.

Related Topics

- [RequestEnvironmentInfo \(p. 75\)](#)

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 151\)](#).

EnvironmentId

The ID of the data's environment.

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

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

Type: String

Required: No

EnvironmentName

The name of the data's environment.

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

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

Type: String

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

Required: No

InfoType

The type of information to retrieve.

Type: String

Valid Values: `tail` | `bundle`

Required: Yes

Response Elements

The following element is returned by the service.

EnvironmentInfo.member.N

The [EnvironmentInfoDescription \(p. 122\)](#) of the environment.

Type: array of [EnvironmentInfoDescription \(p. 122\)](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 153\)](#).

Example

Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?EnvironmentId=e-hc8mvnayrx
```

```
&EnvironmentName=SampleAppVersion  
&InfoType=tail  
&Operation=RetrieveEnvironmentInfo  
&AuthParams
```

Sample Response

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

SwapEnvironmentCNAMEs

Swaps the CNAMEs of two environments.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

DestinationEnvironmentId

The ID of the destination environment.

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

Type: String

Required: No

DestinationEnvironmentName

The name of the destination environment.

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

Type: String

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

Required: No

SourceEnvironmentId

The ID of the source environment.

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

Type: String

Required: No

SourceEnvironmentName

The name of the source environment.

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

Type: String

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

Required: No

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

Example

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

Terminates the specified environment.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

EnvironmentId

The ID of the environment to terminate.

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

Type: String

Required: No

EnvironmentName

The name of the environment to terminate.

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

Type: String

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

Required: No

ForceTerminate

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

Type: Boolean

Required: No

TerminateResources

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

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

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

Default: `true`

Valid Values: `true` | `false`

Type: Boolean

Required: No

Response Elements

The following elements are returned by the service.

AbortableOperationInProgress

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

`true`: There is an update in progress.

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

Type: Boolean

ApplicationName

The name of the application associated with this environment.

Type: String

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

CNAME

The URL to the CNAME for this environment.

Type: String

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

DateCreated

The creation date for this environment.

Type: Timestamp

DateUpdated

The last modified date for this environment.

Type: Timestamp

Description

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

EndpointURL

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

Type: String

EnvironmentId

The ID of this environment.

Type: String

EnvironmentLinks.member.N

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

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

EnvironmentName

The name of this environment.

Type: String

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

Health

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

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

Default: `Grey`

Type: String

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

HealthStatus

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

Type: String

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

Resources

The description of the AWS resources used by this environment.

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

SolutionStackName

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

Type: String

Length Constraints: Maximum length of 100.

Status

The current operational status of the environment:

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

Type: String

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

TemplateName

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

Type: String

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

Tier

Describes the current tier of this environment.

Type: [EnvironmentTier](#) (p. 126) object

VersionLabel

The application version deployed in this environment.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

InsufficientPrivileges

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

HTTP Status Code: 403

Example

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>
    <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

Updates the specified application to have the specified properties.

Note

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 151\)](#).

ApplicationName

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

Type: String

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

Required: Yes

Description

A new description for the application.

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

Type: String

Length Constraints: Maximum length of 200.

Required: No

Response Elements

The following element is returned by the service.

Application

The [ApplicationDescription \(p. 106\)](#) of the application.

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 153\)](#).

Example

Sample Request

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

Sample Response

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

```
<UpdateApplicationResult>
  <Application>
    <Versions>
      <member>New Version</member>
    </Versions>
    <Description>Another Description</Description>
    <ApplicationName>SampleApp</ApplicationName>
    <DateCreated>2010-11-17T19:26:20.410Z</DateCreated>
    <DateUpdated>2010-11-17T20:42:54.611Z</DateUpdated>
    <ConfigurationTemplates>
      <member>Default</member>
    </ConfigurationTemplates>
  </Application>
</UpdateApplicationResult>
<ResponseMetadata>
  <RequestId>40be666b-f28b-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</UpdateApplicationResponse>
```

UpdateApplicationVersion

Updates the specified application version to have the specified properties.

Note

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 151\)](#).

ApplicationName

The name of the application associated with this version.

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

Type: String

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

Required: Yes

Description

A new description for this version.

Type: String

Length Constraints: Maximum length of 200.

Required: No

VersionLabel

The name of the version to update.

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

Type: String

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

Required: Yes

Response Elements

The following element is returned by the service.

ApplicationVersion

The [ApplicationVersionDescription \(p. 108\)](#) of the application version.

Type: [ApplicationVersionDescription \(p. 108\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 153\)](#).

Example

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

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. 40)

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

ApplicationName

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

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

Type: String

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

Required: Yes

Description

A new description for the configuration.

Type: String

Length Constraints: Maximum length of 200.

Required: No

OptionSettings.member.N

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

Type: array of [ConfigurationOptionSetting](#) (p. 114) objects

Required: No

OptionsToRemove.member.N

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

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

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

Required: No

TemplateName

The name of the configuration template to update.

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

Type: String

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

Required: Yes

Response Elements

The following elements are returned by the service.

ApplicationName

The name of the application associated with this configuration set.

Type: String

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

DateCreated

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

Type: Timestamp

DateUpdated

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

Type: Timestamp

DeploymentStatus

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

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

Type: String

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

Description

Describes this configuration set.

Type: String

Length Constraints: Maximum length of 200.

EnvironmentName

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

Type: String

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

OptionSettings.member.N

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

Type: array of [ConfigurationOptionSetting](#) (p. 114) objects

SolutionStackName

The name of the solution stack this configuration set uses.

Type: String

Length Constraints: Maximum length of 100.

TemplateName

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

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

InsufficientPrivileges

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

HTTP Status Code: 403

TooManyBuckets

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

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-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>
        <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>
    </OptionSettings>
  </UpdateConfigurationTemplateResult>
</UpdateConfigurationTemplateResponse>
```

AWS Elastic Beanstalk API Reference
Example

```
</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>
```

AWS Elastic Beanstalk API Reference
Example

```
</member>
<member>
  <OptionName>AWS_ACCESS_KEY_ID</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>PARAM4</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>Application Healthcheck URL</OptionName>
  <Value/></Value>
  <Namespace>aws:elasticbeanstalk:application</Namespace>
</member>
<member>
  <OptionName>LoadBalancerHTTPSPort</OptionName>
  <Value>OFF</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <OptionName>HealthyThreshold</OptionName>
  <Value>3</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>Timeout</OptionName>
  <Value>5</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>Cooldown</OptionName>
  <Value>0</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>UnhealthyThreshold</OptionName>
  <Value>5</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>Interval</OptionName>
  <Value>30</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>LogPublicationControl</OptionName>
  <Value>>false</Value>
  <Namespace>aws:elasticbeanstalk:hostmanager</Namespace>
</member>
<member>
  <OptionName>BreachDuration</OptionName>
  <Value>120</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>PARAM1</OptionName>
  <Value/>
```

AWS Elastic Beanstalk API Reference
Example

```
    <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

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. 51) for this environment returns two setting descriptions with different `DeploymentStatus` values.

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

ApplicationName

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

Type: String

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

Required: No

Description

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

Type: String

Length Constraints: Maximum length of 200.

Required: No

EnvironmentId

The ID of the environment to update.

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

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

Type: String

Required: No

EnvironmentName

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

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

Type: String

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

Required: No

GroupName

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

Type: String

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

Required: No

OptionSettings.member.N

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

Type: array of [ConfigurationOptionSetting](#) (p. 114) objects

Required: No

OptionsToRemove.member.N

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

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

Required: No

SolutionStackName

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

TemplateName

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

Type: String

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

Required: No

Tier

This specifies the tier to use to update the environment.

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

Type: [EnvironmentTier](#) (p. 126) object

Required: No

VersionLabel

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

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

AbortableOperationInProgress

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

`true`: There is an update in progress.

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

Type: Boolean

ApplicationName

The name of the application associated with this environment.

Type: String

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

CNAME

The URL to the CNAME for this environment.

Type: String

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

DateCreated

The creation date for this environment.

Type: Timestamp

DateUpdated

The last modified date for this environment.

Type: Timestamp

Description

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

EndpointURL

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

Type: String

EnvironmentId

The ID of this environment.

Type: String

EnvironmentLinks.member.N

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

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

EnvironmentName

The name of this environment.

Type: String

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

Health

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

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

Default: Grey

Type: String

Valid Values: Green | Yellow | Red | Grey

HealthStatus

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

Type: String

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

Resources

The description of the AWS resources used by this environment.

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

SolutionStackName

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

Type: String

Length Constraints: Maximum length of 100.

Status

The current operational status of the environment:

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

Type: String

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

TemplateName

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

Type: String

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

Tier

Describes the current tier of this environment.

Type: [EnvironmentTier \(p. 126\)](#) object

VersionLabel

The application version deployed in this environment.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 153\)](#).

InsufficientPrivileges

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

HTTP Status Code: 403

TooManyBuckets

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

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-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

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

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

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 151).

ApplicationName

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

Type: String

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

Required: Yes

EnvironmentName

The name of the environment to validate the settings against.

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

Type: String

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

Required: No

OptionSettings.member.N

A list of the options and desired values to evaluate.

Type: array of [ConfigurationOptionSetting](#) (p. 114) objects

Required: Yes

TemplateName

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

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

Type: String

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

Required: No

Response Elements

The following element is returned by the service.

Messages.member.N

A list of [ValidationMessage](#) (p. 150).

Type: array of [ValidationMessage](#) (p. 150) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 153).

InsufficientPrivileges

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

HTTP Status Code: 403

TooManyBuckets

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

HTTP Status Code: 400

Example

Sample Request

```
https://elasticbeanstalk.us-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 a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- [ApplicationDescription](#) (p. 106)
- [ApplicationMetrics](#) (p. 107)
- [ApplicationVersionDescription](#) (p. 108)
- [AutoScalingGroup](#) (p. 110)
- [BuildConfiguration](#) (p. 111)
- [ConfigurationOptionDescription](#) (p. 112)
- [ConfigurationOptionSetting](#) (p. 114)
- [ConfigurationSettingsDescription](#) (p. 115)
- [CPUUtilization](#) (p. 117)
- [Deployment](#) (p. 118)
- [EnvironmentDescription](#) (p. 119)
- [EnvironmentInfoDescription](#) (p. 122)
- [EnvironmentLink](#) (p. 123)
- [EnvironmentResourceDescription](#) (p. 124)
- [EnvironmentResourcesDescription](#) (p. 125)
- [EnvironmentTier](#) (p. 126)
- [EventDescription](#) (p. 127)
- [Instance](#) (p. 128)
- [InstanceHealthSummary](#) (p. 129)
- [Latency](#) (p. 130)
- [LaunchConfiguration](#) (p. 131)
- [Listener](#) (p. 132)
- [LoadBalancer](#) (p. 133)
- [LoadBalancerDescription](#) (p. 134)
- [ManagedAction](#) (p. 135)

- [ManagedActionHistoryItem](#) (p. 136)
- [OptionRestrictionRegex](#) (p. 137)
- [OptionSpecification](#) (p. 138)
- [Queue](#) (p. 139)
- [S3Location](#) (p. 140)
- [SingleInstanceHealth](#) (p. 141)
- [SolutionStackDescription](#) (p. 143)
- [SourceBuildInformation](#) (p. 144)
- [SourceConfiguration](#) (p. 145)
- [StatusCodes](#) (p. 146)
- [SystemStatus](#) (p. 147)
- [Tag](#) (p. 148)
- [Trigger](#) (p. 149)
- [ValidationMessage](#) (p. 150)

ApplicationDescription

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.member.N

The names of the configuration templates associated with this application.

Type: array of Strings

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

Required: No

DateCreated

The date when the application was created.

Type: Timestamp

Required: No

DateUpdated

The date when the application was last modified.

Type: Timestamp

Required: No

Description

User-defined description of the application.

Type: String

Length Constraints: Maximum length of 200.

Required: No

Versions.member.N

The names of the versions for this application.

Type: array of Strings

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

Required: No

ApplicationMetrics

Application request metrics for an AWS Elastic Beanstalk environment.

Contents

Duration

The amount of time that the metrics cover (usually 10 seconds). For example, you might have 5 requests (`request_count`) within the most recent time slice of 10 seconds (`duration`).

Type: Integer

Required: No

Latency

Represents the average latency for the slowest X percent of requests over the last 10 seconds. Latencies are in seconds with one millisecond resolution.

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

Required: No

RequestCount

Average number of requests handled by the web server per second over the last 10 seconds.

Type: Integer

Required: No

StatusCodes

Represents the percentage of requests over the last 10 seconds that resulted in each type of status code response.

Type: [StatusCodes \(p. 146\)](#) object

Required: No

ApplicationVersionDescription

Describes the properties of an application version.

Contents

ApplicationName

The name of the application to which the application version belongs.

Type: String

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

Required: No

BuildArn

Reference to the artifacts from the AWS CodeBuild build.

Specify an AWS CodeBuild build configuration to build the application version in CodeBuild with source code from Amazon S3.

Type: String

Required: No

DateCreated

The creation date of the application version.

Type: Timestamp

Required: No

DateUpdated

The last modified date of the application version.

Type: Timestamp

Required: No

Description

The description of the application version.

Type: String

Length Constraints: Maximum length of 200.

Required: No

SourceBuildInformation

If the version's source code was retrieved from AWS CodeCommit, the location of the source code for the application version.

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

Required: No

SourceBundle

The storage location of the application version's source bundle in Amazon S3.

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

Required: No

Status

The processing status of the application version.

Type: String

Valid Values: `Processed` | `Unprocessed` | `Failed` | `Processing` | `Building`

Required: No

VersionLabel

A unique identifier for the application version.

Type: String

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

Required: No

AutoScalingGroup

Describes an Auto Scaling launch configuration.

Contents

Name

The name of the `AutoScalingGroup` .

Type: String

Required: No

BuildConfiguration

Settings for an AWS CodeBuild build.

Contents

ArtifactName

The name of the build configuration. If provided, Elastic Beanstalk stores build artifacts in the S3 location *S3-bucket/resources/application-name/codebuild/codebuild-version-label-artifact-name.zip*. If not provided, Elastic Beanstalk stores build artifacts in the S3 location *S3-bucket/resources/application-name/codebuild/codebuild-version-label.zip*.

Type: String

Required: No

CodeBuildServiceRole

The Amazon Resource Name (ARN) of the AWS Identity and Access Management (IAM) role that enables AWS CodeBuild to interact with dependent AWS services on behalf of the AWS account.

Type: String

Pattern: `.*\S.*`

Required: Yes

ComputeType

Information about the compute resources the build project will use.

- `BUILD_GENERAL1_SMALL`: Use up to 3 GB memory and 2 vCPUs for builds
- `BUILD_GENERAL1_MEDIUM`: Use up to 7 GB memory and 4 vCPUs for builds
- `BUILD_GENERAL1_LARGE`: Use up to 15 GB memory and 8 vCPUs for builds

Type: String

Valid Values: `BUILD_GENERAL1_SMALL` | `BUILD_GENERAL1_MEDIUM` | `BUILD_GENERAL1_LARGE`

Required: No

Image

The ID of the Docker image to use for this build project.

Type: String

Pattern: `.*\S.*`

Required: Yes

TimeoutInMinutes

How long in minutes, from 5 to 480 (8 hours), for AWS CodeBuild to wait until timing out any related build that does not get marked as completed. The default is 60 minutes.

Type: Integer

Required: No

ConfigurationOptionDescription

Describes the possible values for a configuration option.

Contents

ChangeSeverity

An indication of which action is required if the value for this configuration option changes:

- `NoInterruption` : There is no interruption to the environment or application availability.
- `RestartEnvironment` : The environment is entirely restarted, all AWS resources are deleted and recreated, and the environment is unavailable during the process.
- `RestartApplicationServer` : The environment is available the entire time. However, a short application outage occurs when the application servers on the running Amazon EC2 instances are restarted.

Type: String

Required: No

DefaultValue

The default value for this configuration option.

Type: String

Required: No

MaxLength

If specified, the configuration option must be a string value no longer than this value.

Type: Integer

Required: No

MaxValue

If specified, the configuration option must be a numeric value less than this value.

Type: Integer

Required: No

MinValue

If specified, the configuration option must be a numeric value greater than this value.

Type: Integer

Required: No

Name

The name of the configuration option.

Type: String

Required: No

Namespace

A unique namespace identifying the option's associated AWS resource.

Type: String

Required: No

Regex

If specified, the configuration option must be a string value that satisfies this regular expression.

Type: [OptionRestrictionRegex \(p. 137\)](#) object

Required: No

UserDefined

An indication of whether the user defined this configuration option:

- `true` : This configuration option was defined by the user. It is a valid choice for specifying if this as an `Option to Remove` when updating configuration settings.
- `false` : This configuration was not defined by the user.

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

Valid Values: `true` | `false`

Type: Boolean

Required: No

ValueOptions.member.N

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

Type: array of Strings

Required: No

ValueType

An indication of which type of values this option has and whether it is allowable to select one or more than one of the possible values:

- `Scalar` : Values for this option are a single selection from the possible values, or an unformatted string, or numeric value governed by the `MIN/MAX/Regex` constraints.
- `List` : Values for this option are multiple selections from the possible values.
- `Boolean` : Values for this option are either `true` or `false` .
- `Json` : Values for this option are a JSON representation of a `ConfigDocument`.

Type: String

Valid Values: `Scalar` | `List`

Required: No

ConfigurationOptionSetting

A specification identifying an individual configuration option along with its current value. For a list of possible option values, go to [Option Values](#) in the *AWS Elastic Beanstalk Developer Guide*.

Contents

Namespace

A unique namespace identifying the option's associated AWS resource.

Type: String

Required: No

OptionName

The name of the configuration option.

Type: String

Required: No

ResourceName

A unique resource name for a time-based scaling configuration option.

Type: String

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

Required: No

Value

The current value for the configuration option.

Type: String

Required: No

ConfigurationSettingsDescription

Describes the settings for a configuration set.

Contents

ApplicationName

The name of the application associated with this configuration set.

Type: String

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

Required: No

DateCreated

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

Type: Timestamp

Required: No

DateUpdated

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

Type: Timestamp

Required: No

DeploymentStatus

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

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

Type: String

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

Required: No

Description

Describes this configuration set.

Type: String

Length Constraints: Maximum length of 200.

Required: No

EnvironmentName

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

Type: String

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

Required: No

OptionSettings.member.N

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

Type: array of [ConfigurationOptionSetting](#) (p. 114) objects

Required: No

SolutionStackName

The name of the solution stack this configuration set uses.

Type: String

Length Constraints: 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

CPUUtilization

CPU utilization metrics for an instance.

Contents

Idle

Percentage of time that the CPU has spent in the `Idle` state over the last 10 seconds.

Type: Double

Required: No

IOWait

Percentage of time that the CPU has spent in the `I/O Wait` state over the last 10 seconds.

Type: Double

Required: No

IRQ

Percentage of time that the CPU has spent in the `IRQ` state over the last 10 seconds.

Type: Double

Required: No

Nice

Percentage of time that the CPU has spent in the `Nice` state over the last 10 seconds.

Type: Double

Required: No

SoftIRQ

Percentage of time that the CPU has spent in the `SoftIRQ` state over the last 10 seconds.

Type: Double

Required: No

System

Percentage of time that the CPU has spent in the `System` state over the last 10 seconds.

Type: Double

Required: No

User

Percentage of time that the CPU has spent in the `User` state over the last 10 seconds.

Type: Double

Required: No

Deployment

Information about an application version deployment.

Contents

DeploymentId

The ID of the deployment. This number increases by one each time that you deploy source code or change instance configuration settings.

Type: Long

Required: No

DeploymentTime

For in-progress deployments, the time that the deployment started.

For completed deployments, the time that the deployment ended.

Type: Timestamp

Required: No

Status

The status of the deployment:

- `In Progress` : The deployment is in progress.
- `Deployed` : The deployment succeeded.
- `Failed` : The deployment failed.

Type: String

Required: No

VersionLabel

The version label of the application version in the deployment.

Type: String

Required: No

EnvironmentDescription

Describes the properties of an environment.

Contents

AbortableOperationInProgress

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

`true`: There is an update in progress.

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

Type: Boolean

Required: No

ApplicationName

The name of the application associated with this environment.

Type: String

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

Required: No

CNAME

The URL to the CNAME for this environment.

Type: String

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

Required: No

DateCreated

The creation date for this environment.

Type: Timestamp

Required: No

DateUpdated

The last modified date for this environment.

Type: Timestamp

Required: No

Description

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

Required: No

EndpointURL

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

Type: String

Required: No

EnvironmentId

The ID of this environment.

Type: String

Required: No

EnvironmentLinks.member.N

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

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

Required: No

EnvironmentName

The name of this environment.

Type: String

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

Required: No

Health

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

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

Default: Grey

Type: String

Valid Values: Green | Yellow | Red | Grey

Required: No

HealthStatus

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

Type: String

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

Required: No

Resources

The description of the AWS resources used by this environment.

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

Required: No

SolutionStackName

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

Type: String

Length Constraints: 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. 126) object

Required: No

VersionLabel

The application version deployed in this environment.

Type: String

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

Required: No

EnvironmentInfoDescription

The information retrieved from the Amazon EC2 instances.

Contents

Ec2InstanceId

The Amazon EC2 Instance ID for this information.

Type: String

Required: No

InfoType

The type of information retrieved.

Type: String

Valid Values: `tail` | `bundle`

Required: No

Message

The retrieved information.

Type: String

Required: No

SampleTimestamp

The time stamp when this information was retrieved.

Type: Timestamp

Required: No

EnvironmentLink

A link to another environment, defined in the environment's manifest. Links provide connection information in system properties that can be used to connect to another environment in the same group. See [Environment Manifest \(env.yaml\)](#) for details.

Contents

EnvironmentName

The name of the linked environment (the dependency).

Type: String

Required: No

LinkName

The name of the link.

Type: String

Required: No

EnvironmentResourceDescription

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

Contents

AutoScalingGroups.member.N

The `AutoScalingGroups` used by this environment.

Type: array of [AutoScalingGroup \(p. 110\)](#) objects

Required: No

EnvironmentName

The name of the environment.

Type: String

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

Required: No

Instances.member.N

The Amazon EC2 instances used by this environment.

Type: array of [Instance \(p. 128\)](#) objects

Required: No

LaunchConfigurations.member.N

The Auto Scaling launch configurations in use by this environment.

Type: array of [LaunchConfiguration \(p. 131\)](#) objects

Required: No

LoadBalancers.member.N

The LoadBalancers in use by this environment.

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

Required: No

Queues.member.N

The queues used by this environment.

Type: array of [Queue \(p. 139\)](#) objects

Required: No

Triggers.member.N

The `AutoScaling` triggers in use by this environment.

Type: array of [Trigger \(p. 149\)](#) objects

Required: No

EnvironmentResourcesDescription

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

Contents

LoadBalancer

Describes the LoadBalancer.

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

Required: No

EnvironmentTier

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

Describes an event.

Contents

ApplicationName

The application associated with the event.

Type: String

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

Required: No

EnvironmentName

The name of the environment associated with this event.

Type: String

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

Required: No

EventDate

The date when the event occurred.

Type: Timestamp

Required: No

Message

The event message.

Type: String

Required: No

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

The description of an Amazon EC2 instance.

Contents

Id

The ID of the Amazon EC2 instance.

Type: String

Required: No

InstanceHealthSummary

Represents summary information about the health of an instance. For more information, see [Health Colors and Statuses](#).

Contents

Degraded

Red. The health agent is reporting a high number of request failures or other issues for an instance or environment.

Type: Integer

Required: No

Info

Green. An operation is in progress on an instance.

Type: Integer

Required: No

NoData

Grey. AWS Elastic Beanstalk and the health agent are reporting no data on an instance.

Type: Integer

Required: No

Ok

Green. An instance is passing health checks and the health agent is not reporting any problems.

Type: Integer

Required: No

Pending

Grey. An operation is in progress on an instance within the command timeout.

Type: Integer

Required: No

Severe

Red. The health agent is reporting a very high number of request failures or other issues for an instance or environment.

Type: Integer

Required: No

Unknown

Grey. AWS Elastic Beanstalk and the health agent are reporting an insufficient amount of data on an instance.

Type: Integer

Required: No

Warning

Yellow. The health agent is reporting a moderate number of request failures or other issues for an instance or environment.

Type: Integer

Required: No

Latency

Represents the average latency for the slowest X percent of requests over the last 10 seconds.

Contents

P10

The average latency for the slowest 90 percent of requests over the last 10 seconds.

Type: Double

Required: No

P50

The average latency for the slowest 50 percent of requests over the last 10 seconds.

Type: Double

Required: No

P75

The average latency for the slowest 25 percent of requests over the last 10 seconds.

Type: Double

Required: No

P85

The average latency for the slowest 15 percent of requests over the last 10 seconds.

Type: Double

Required: No

P90

The average latency for the slowest 10 percent of requests over the last 10 seconds.

Type: Double

Required: No

P95

The average latency for the slowest 5 percent of requests over the last 10 seconds.

Type: Double

Required: No

P99

The average latency for the slowest 1 percent of requests over the last 10 seconds.

Type: Double

Required: No

P999

The average latency for the slowest 0.1 percent of requests over the last 10 seconds.

Type: Double

Required: No

LaunchConfiguration

Describes an Auto Scaling launch configuration.

Contents

Name

The name of the launch configuration.

Type: String

Required: No

Listener

Describes the properties of a Listener for the LoadBalancer.

Contents

Port

The port that is used by the Listener.

Type: Integer

Required: No

Protocol

The protocol that is used by the Listener.

Type: String

Required: No

LoadBalancer

Describes a LoadBalancer.

Contents

Name

The name of the LoadBalancer.

Type: String

Required: No

LoadBalancerDescription

Describes the details of a LoadBalancer.

Contents

Domain

The domain name of the LoadBalancer.

Type: String

Required: No

Listeners.member.N

A list of Listeners used by the LoadBalancer.

Type: array of [Listener \(p. 132\)](#) objects

Required: No

LoadBalancerName

The name of the LoadBalancer.

Type: String

Required: No

ManagedAction

The record of an upcoming or in-progress managed action.

Contents

ActionDescription

A description of the managed action.

Type: String

Required: No

ActionId

A unique identifier for the managed action.

Type: String

Required: No

ActionType

The type of managed action.

Type: String

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

Required: No

Status

The status of the managed action. If the action is `Scheduled`, you can apply it immediately with [ApplyEnvironmentManagedAction \(p. 5\)](#).

Type: String

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

Required: No

WindowStartTime

The start time of the maintenance window in which the managed action will execute.

Type: Timestamp

Required: No

ManagedActionHistoryItem

The record of a completed or failed managed action.

Contents

ActionDescription

A description of the managed action.

Type: String

Required: No

ActionId

A unique identifier for the managed action.

Type: String

Required: No

ActionType

The type of the managed action.

Type: String

Valid Values: InstanceRefresh | PlatformUpdate | Unknown

Required: No

ExecutedTime

The date and time that the action started executing.

Type: Timestamp

Required: No

FailureDescription

If the action failed, a description of the failure.

Type: String

Required: No

FailureType

If the action failed, the type of failure.

Type: String

Valid Values: UpdateCancelled | CancellationFailed | RollbackFailed | RollbackSuccessful | InternalFailure | InvalidEnvironmentState | PermissionsError

Required: No

FinishedTime

The date and time that the action finished executing.

Type: Timestamp

Required: No

Status

The status of the action.

Type: String

Valid Values: Completed | Failed | Unknown

Required: No

OptionRestrictionRegex

A regular expression representing a restriction on a string configuration option value.

Contents

Label

A unique name representing this regular expression.

Type: String

Required: No

Pattern

The regular expression pattern that a string configuration option value with this restriction must match.

Type: String

Required: No

OptionSpecification

A specification identifying an individual configuration option.

Contents

Namespace

A unique namespace identifying the option's associated AWS resource.

Type: String

Required: No

OptionName

The name of the configuration option.

Type: String

Required: No

ResourceName

A unique resource name for a time-based scaling configuration option.

Type: String

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

Required: No

Queue

Describes a queue.

Contents

Name

The name of the queue.

Type: String

Required: No

URL

The URL of the queue.

Type: String

Required: No

S3Location

The bucket and key of an item stored in Amazon S3.

Contents

S3Bucket

The Amazon S3 bucket where the data is located.

Type: String

Length Constraints: Maximum length of 255.

Required: No

S3Key

The Amazon S3 key where the data is located.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

SingleInstanceHealth

Detailed health information about an Amazon EC2 instance in your Elastic Beanstalk environment.

Contents

ApplicationMetrics

Request metrics from your application.

Type: [ApplicationMetrics \(p. 107\)](#) object

Required: No

AvailabilityZone

The availability zone in which the instance runs.

Type: String

Required: No

Causes.member.N

Represents the causes, which provide more information about the current health status.

Type: array of Strings

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

Required: No

Color

Represents the color indicator that gives you information about the health of the EC2 instance. For more information, see [Health Colors and Statuses](#).

Type: String

Required: No

Deployment

Information about the most recent deployment to an instance.

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

Required: No

HealthStatus

Returns the health status of the specified instance. For more information, see [Health Colors and Statuses](#).

Type: String

Required: No

InstanceId

The ID of the Amazon EC2 instance.

Type: String

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

Required: No

InstanceType

The instance's type.

Type: String

Required: No

LaunchedAt

The time at which the EC2 instance was launched.

Type: Timestamp

Required: No

System

Operating system metrics from the instance.

Type: [SystemStatus \(p. 147\)](#) object

Required: No

SolutionStackDescription

Describes the solution stack.

Contents

PermittedFileTypes.member.N

The permitted file types allowed for a solution stack.

Type: array of Strings

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

Required: No

SolutionStackName

The name of the solution stack.

Type: String

Length Constraints: Maximum length of 100.

Required: No

SourceBuildInformation

Location of the source code for an application version.

Contents

SourceLocation

The location of the source code, as a formatted string, depending on the value of `SourceRepository`

- For `CodeCommit`, the format is the repository name and commit ID, separated by a forward slash. For example, `my-git-repo/265cfa0cf6af46153527f55d6503ec030551f57a`.
- For `S3`, the format is the S3 bucket name and object key, separated by a forward slash. For example, `my-s3-bucket/my-source-file`.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 255.

Pattern: `./+.+`

Required: Yes

SourceRepository

Location where the repository is stored.

- `CodeCommit`
- `S3`

Type: String

Valid Values: `CodeCommit` | `S3`

Required: Yes

SourceType

The type of repository.

- `Git`
- `Zip`

Type: String

Valid Values: `Git` | `Zip`

Required: Yes

SourceConfiguration

A specification for an environment configuration

Contents

ApplicationName

The name of the application associated with the configuration.

Type: String

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

Required: No

TemplateName

The name of the configuration template.

Type: String

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

Required: No

StatusCodes

Represents the percentage of requests over the last 10 seconds that resulted in each type of status code response. For more information, see [Status Code Definitions](#).

Contents

Status2xx

The percentage of requests over the last 10 seconds that resulted in a 2xx (200, 201, etc.) status code.

Type: Integer

Required: No

Status3xx

The percentage of requests over the last 10 seconds that resulted in a 3xx (300, 301, etc.) status code.

Type: Integer

Required: No

Status4xx

The percentage of requests over the last 10 seconds that resulted in a 4xx (400, 401, etc.) status code.

Type: Integer

Required: No

Status5xx

The percentage of requests over the last 10 seconds that resulted in a 5xx (500, 501, etc.) status code.

Type: Integer

Required: No

SystemStatus

CPU utilization and load average metrics for an Amazon EC2 instance.

Contents

CPUUtilization

CPU utilization metrics for the instance.

Type: [CPUUtilization \(p. 117\)](#) object

Required: No

LoadAverage.member.N

Load average in the last 1-minute and 5-minute periods. For more information, see [Operating System Metrics](#).

Type: array of Doubles

Required: No

Tag

Describes a tag applied to a resource in an environment.

Contents

Key

The key of the tag.

Type: String

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

Required: No

Value

The value of the tag.

Type: String

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

Required: No

Trigger

Describes a trigger.

Contents

Name

The name of the trigger.

Type: String

Required: No

ValidationMessage

An error or warning for a desired configuration option value.

Contents

Message

A message describing the error or warning.

Type: String

Required: No

Namespace

The namespace to which the option belongs.

Type: String

Required: No

OptionName

The name of the option.

Type: String

Required: No

Severity

An indication of the severity of this message:

- `error`: This message indicates that this is not a valid setting for an option.
- `warning`: This message is providing information you should take into account.

Type: String

Valid Values: `error` | `warning`

Required: No

Common Parameters

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

Action

The action to be performed.

Type: string

Required: Yes

Version

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

Type: string

Required: Yes

X-Amz-Algorithm

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

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

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

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

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

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

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Handling Dates in Signature Version 4](#) in the *Amazon Web Services General Reference*.

Type: string

Required: Conditional

X-Amz-Security-Token

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

Condition: If you're using temporary security credentials from the AWS Security Token Service, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Task 1: Create a Canonical Request For Signature Version 4](#) in the *Amazon Web Services General Reference*.

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

Type: string

Required: Conditional

Common Errors

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

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

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

HTTP Status Code: 500

InvalidAction

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

HTTP Status Code: 400

InvalidClientTokenId

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

HTTP Status Code: 403

InvalidParameterCombination

Parameters that must not be used together were used together.

HTTP Status Code: 400

InvalidParameterValue

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

HTTP Status Code: 400

InvalidQueryParameter

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

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error.

HTTP Status Code: 404

MissingAction

The request is missing an action or a required parameter.

HTTP Status Code: 400

MissingAuthenticationToken

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

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

OptInRequired

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

HTTP Status Code: 403

RequestExpired

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

HTTP Status Code: 400

ServiceUnavailable

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

HTTP Status Code: 503

Throttling

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

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

HTTP Status Code: 400