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# **AWS Elastic Beanstalk**

**API Reference**

**API Version 2010-12-01**



## AWS Elastic Beanstalk: API Reference

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# Welcome

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

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

For more information about this product, go to the [AWS Elastic Beanstalk](#) details page. The location of the latest AWS Elastic Beanstalk WSDL is <http://elasticbeanstalk.s3.amazonaws.com/doc/2010-12-01/AWSElasticBeanstalk.wsdl>. 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 updated on September 3, 2015.



# Actions

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The following actions are supported:

- [AbortEnvironmentUpdate](#) (p. 4)
- [CheckDNSAvailability](#) (p. 5)
- [CreateApplication](#) (p. 7)
- [CreateApplicationVersion](#) (p. 9)
- [CreateConfigurationTemplate](#) (p. 12)
- [CreateEnvironment](#) (p. 20)
- [CreateStorageLocation](#) (p. 25)
- [DeleteApplication](#) (p. 26)
- [DeleteApplicationVersion](#) (p. 28)
- [DeleteConfigurationTemplate](#) (p. 30)
- [DeleteEnvironmentConfiguration](#) (p. 32)
- [DescribeApplications](#) (p. 34)
- [DescribeApplicationVersions](#) (p. 36)
- [DescribeConfigurationOptions](#) (p. 38)
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- [DescribeEnvironmentHealth](#) (p. 55)
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- [DescribeInstancesHealth](#) (p. 67)
- [ListAvailableSolutionStacks](#) (p. 70)
- [RebuildEnvironment](#) (p. 71)
- [RequestEnvironmentInfo](#) (p. 73)
- [RestartAppServer](#) (p. 75)
- [RetrieveEnvironmentInfo](#) (p. 76)
- [SwapEnvironmentCNAMEs](#) (p. 78)
- [TerminateEnvironment](#) (p. 80)
- [UpdateApplication](#) (p. 84)
- [UpdateApplicationVersion](#) (p. 86)
- [UpdateConfigurationTemplate](#) (p. 88)

- [UpdateEnvironment](#) (p. 95)
- [ValidateConfigurationSettings](#) (p. 100)

# AbortEnvironmentUpdate

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

## Request Parameters

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

### 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 23.

Required: No

## Errors

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

### InsufficientPrivileges

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

HTTP Status Code: 403

# CheckDNSAvailability

Checks if the specified CNAME is available.

## Request Parameters

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

### CNAMEPrefix

The prefix used when this CNAME is reserved.

Type: String

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

Required: Yes

## Response Elements

The following elements are returned.

### 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 \(p. 20\)](#) is called with the provided prefix.

Type: String

## Errors

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

## Examples

### Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?CNAMEPrefix=sampleapplication
&Operation=CheckDNSAvailability
&AuthParams
```

## Sample Response

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

# CreateApplication

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

## Request Parameters

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

### ApplicationName

The name of the application.

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

Type: String

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

Required: Yes

### Description

Describes the application.

Type: String

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

Required: No

## Response Elements

The following element is returned.

### Application

The [ApplicationDescription \(p. 103\)](#) of the application.

Type: [ApplicationDescription \(p. 103\)](#)

## Errors

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

### TooManyApplications

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

HTTP Status Code: 400

## Examples

### Sample Request

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

```
&Operation=CreateApplication  
&AuthParams
```

## Sample Response

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

# CreateApplicationVersion

Creates an application version for the specified application.

## Note

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

## Request Parameters

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

### ApplicationName

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

Type: String

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

Required: Yes

### AutoCreateApplication

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

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

Default: `false`

Valid Values: `true` | `false`

Type: Boolean

Required: No

### Description

Describes this version.

Type: String

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

Required: No

### SourceBundle

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

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

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

Type: [S3Location \(p. 123\)](#)



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.

**ApplicationVersion**

The [ApplicationVersionDescription](#) (p. 104) of the application version.

Type: [ApplicationVersionDescription](#) (p. 104)

## Errors

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

**InsufficientPrivileges**

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

HTTP Status Code: 403

**S3LocationNotInServiceRegion**

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

HTTP Status Code: 400

**TooManyApplicationVersions**

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

HTTP Status Code: 400

**TooManyApplications**

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

HTTP Status Code: 400

## Examples

### Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?ApplicationName=SampleApp
&VersionLabel=Version1
&Description=description
&SourceBundle.S3Bucket=amazonaws.com
```

```
&SourceBundle.S3Key=sample.war
&AutoCreateApplication=true
&Operation=CreateApplicationVersion
&AuthParams
```

## Sample Response

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

# CreateConfigurationTemplate

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. 38)
- [DescribeConfigurationSettings](#) (p. 49)
- [ListAvailableSolutionStacks](#) (p. 70)

## Request Parameters

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

### ApplicationName

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

Type: String

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

Required: Yes

### Description

Describes this configuration.

Type: String

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

Required: No

### EnvironmentId

The ID of the environment used with this configuration template.

Type: String

Required: No

### OptionSettings.member.N

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

Type: [ConfigurationOptionSetting](#) (p. 107) list

Required: No

### SolutionStackName

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

Use [ListAvailableSolutionStacks](#) (p. 70) to obtain a list of available solution stacks.

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

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

Type: String

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

Required: No

#### **SourceConfiguration**

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

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

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

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

Type: [SourceConfiguration](#) (p. 125)

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.

#### **ApplicationName**

The name of the application associated with this configuration set.

Type: String

#### **DateCreated**

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

Type: DateTime

#### **DateUpdated**

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

Type: DateTime

#### **DeploymentStatus**

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

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

Type: String

**Description**

Describes this configuration set.

Type: String

**EnvironmentName**

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

Type: String

**OptionSettings**

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

Type: [ConfigurationOptionSetting \(p. 107\)](#) list

**SolutionStackName**

The name of the solution stack this configuration set uses.

Type: String

**TemplateName**

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

Type: String

## Errors

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

**InsufficientPrivileges**

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

HTTP Status Code: 403

**TooManyConfigurationTemplates**

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

HTTP Status Code: 400

## Examples

### Sample Request

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

```
&Operation=CreateConfigurationTemplate  
&AuthParams
```

## Sample Response

```
<CreateConfigurationTemplateResponse xmlns="https://elasticbeanstalk.amazon  
aws.com/docs/2010-12-01/">  
  <CreateConfigurationTemplateResult>  
    <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>  
  
    <OptionSettings>  
      <member>  
        <OptionName>ImageId</OptionName>  
        <Value>ami-f2f0069b</Value>  
        <Namespace>aws:autoscaling:launchconfiguration</Namespace>  
      </member>  
      <member>  
        <OptionName>Notification Endpoint</OptionName>  
        <Value/>  
        <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>  
      </member>  
      <member>  
        <OptionName>PARAM4</OptionName>  
        <Value/>  
        <Namespace>aws:elasticbeanstalk:application:environment</Namespace>  
      </member>  
      <member>  
        <OptionName>JDBC_CONNECTION_STRING</OptionName>  
        <Value/>  
        <Namespace>aws:elasticbeanstalk:application:environment</Namespace>  
      </member>  
      <member>  
        <OptionName>SecurityGroups</OptionName>  
        <Value>elasticbeanstalk-default</Value>  
        <Namespace>aws:autoscaling:launchconfiguration</Namespace>  
      </member>  
      <member>  
        <OptionName>UnhealthyThreshold</OptionName>  
        <Value>5</Value>  
        <Namespace>aws:elb:healthcheck</Namespace>  
      </member>  
      <member>  
        <OptionName>InstanceType</OptionName>  
        <Value>t1.micro</Value>  
        <Namespace>aws:autoscaling:launchconfiguration</Namespace>  
      </member>  
      <member>  
        <OptionName>Statistic</OptionName>  
        <Value>Average</Value>  
        <Namespace>aws:autoscaling:trigger</Namespace>  
      </member>  
      <member>  
        <OptionName>LoadBalancerHTTPSPort</OptionName>  
        <Value>OFF</Value>  
        <Namespace>aws:elb:loadbalancer</Namespace>  
      </member>
```

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```
<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>
```

## AWS Elastic Beanstalk API Reference Examples

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```
<Value>Any 1</Value>
<Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>LogPublicationControl</OptionName>
  <Value>>false</Value>
  <Namespace>aws:elasticbeanstalk:hostmanager</Namespace>
</member>
<member>
  <OptionName>JVM Options</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <OptionName>Notification Topic Name</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>PARAM2</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>LoadBalancerHTTPPort</OptionName>
  <Value>80</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <OptionName>Timeout</OptionName>
  <Value>5</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>BreachDuration</OptionName>
  <Value>2</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>MonitoringInterval</OptionName>
  <Value>5 minute</Value>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>PARAM1</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>MaxSize</OptionName>
  <Value>4</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>LowerThreshold</OptionName>
  <Value>2000000</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
```



## AWS Elastic Beanstalk API Reference Examples

---

```
</member>
<member>
  <OptionName>AWS_SECRET_KEY</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>AWS_ACCESS_KEY_ID</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>UpperThreshold</OptionName>
  <Value>6000000</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Notification Protocol</OptionName>
  <Value>email</Value>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>Unit</OptionName>
  <Value>Bytes</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Xmx</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>

</member>
<member>
  <OptionName>Cooldown</OptionName>
  <Value>360</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>Period</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Xms</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>

</member>
<member>
  <OptionName>EC2KeyName</OptionName>
  <Value/>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>Stickiness Policy</OptionName>
  <Value>>false</Value>
  <Namespace>aws:elb:policies</Namespace>
</member>
```

## AWS Elastic Beanstalk API Reference Examples

---

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

# CreateEnvironment

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

## Request Parameters

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

### ApplicationName

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

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

Type: String

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

Required: Yes

### CNAMEPrefix

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

Type: String

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

Required: No

### Description

Describes this environment.

Type: String

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

Required: No

### EnvironmentName

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

Constraint: Must be from 4 to 23 characters in length. The name can contain only letters, numbers, and hyphens. It cannot start or end with a hyphen. This name must be unique in your account. If the specified name already exists, AWS Elastic Beanstalk returns an `InvalidParameterValue` error.

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

Type: String

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

Required: Yes

### OptionSettings.member.N

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

Type: [ConfigurationOptionSetting \(p. 107\)](#) list

Required: No

**OptionsToRemove.member.N**

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

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

Required: No

**SolutionStackName**

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

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

Type: String

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

Required: No

**Tags.member.N**

This specifies the tags applied to resources in the environment.

Type: [Tag \(p. 126\)](#) list

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 \(p. 115\)](#)

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.

### **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

### **CNAME**

The URL to the CNAME for this environment.

Type: String

### **DateCreated**

The creation date for this environment.

Type: DateTime

### **DateUpdated**

The last modified date for this environment.

Type: DateTime

### **Description**

Describes this environment.

Type: String

### **EndpointURL**

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

Type: String

### **EnvironmentId**

The ID of this environment.

Type: String

### **EnvironmentName**

The name of this environment.

Type: String

### **Health**

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

- `Red`: Indicates the environment is not responsive. Occurs when three or more consecutive failures occur for an environment.
- `Yellow`: Indicates that something is wrong. Occurs when two consecutive failures occur for an environment.

- **Green:** Indicates the environment is healthy and fully functional.
- **Grey:** Default health for a new environment. The environment is not fully launched and health checks have not started or health checks are suspended during an `UpdateEnvironment` or `RestartEnvironment` request.

Default: `Grey`

Type: String

#### **HealthStatus**

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

Type: String

#### **Resources**

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) (p. 115)

#### **SolutionStackName**

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

Type: String

#### **Status**

The current operational status of the environment:

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

Type: String

#### **TemplateName**

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

Type: String

#### **Tier**

Describes the current tier of this environment.

Type: [EnvironmentTier](#) (p. 115)

#### **VersionLabel**

The application version deployed in this environment.

Type: String

## Errors

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

#### **InsufficientPrivileges**

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

HTTP Status Code: 403

### TooManyEnvironments

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

HTTP Status Code: 400

## Examples

### Sample Request

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

### Sample Response

```
<CreateEnvironmentResponse xmlns="https://elasticbeanstalk.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.

### S3Bucket

The name of the Amazon S3 bucket created.

Type: String

## Errors

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

### InsufficientPrivileges

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

HTTP Status Code: 403

### S3SubscriptionRequired

The caller does not have a subscription to Amazon S3.

HTTP Status Code: 400

### TooManyBuckets

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

HTTP Status Code: 400

## Examples

### Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?Operation=CreateStorageLocation&AuthParams
```

### Sample Response

```
<CreateStorageLocationResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <CreateStorageLocationResult>
    <S3Bucket>elasticbeanstalk-us-east-1-780612358023</S3Bucket>
  </CreateStorageLocationResult>
  <ResponseMetadata>
    <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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

### ApplicationName

The name of the application to delete.

Type: String

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

Required: Yes

### TerminateEnvByForce

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

Type: Boolean

Required: No

## Errors

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

### OperationInProgress

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

HTTP Status Code: 400

## Examples

### Sample Request

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

### Sample Response

```
<DeleteApplicationResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <ResponseMetadata>
    <RequestId>1f155abd-f1d7-11df-8a78-9f77047e0d0c</RequestId>
```

```
</ResponseMetadata>  
</DeleteApplicationResponse>
```

# DeleteApplicationVersion

Deletes the specified version from the specified application.

## Note

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

## Request Parameters

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

### ApplicationName

The name of the application to delete releases from.

Type: String

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

Required: Yes

### DeleteSourceBundle

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

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

Valid Values: `true` | `false`

Type: Boolean

Required: No

### VersionLabel

The label of the version to delete.

Type: String

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

Required: Yes

## Errors

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

### InsufficientPrivileges

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

HTTP Status Code: 403

### OperationInProgress

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

HTTP Status Code: 400

### S3LocationNotInServiceRegion

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

HTTP Status Code: 400

**SourceBundleDeletion**

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

HTTP Status Code: 400

## Examples

### Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?ApplicationName=SampleApp
&VersionLabel=First%20Release
&Operation=DeleteApplicationVersion
&AuthParams
```

### Sample Response

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

# DeleteConfigurationTemplate

Deletes the specified configuration template.

## Note

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

## Request Parameters

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

### ApplicationName

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

Type: String

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

Required: Yes

### TemplateName

The name of the configuration template to delete.

Type: String

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

Required: Yes

## Errors

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

### OperationInProgress

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

HTTP Status Code: 400

## Examples

### Sample Request

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

## Sample Response

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

# DeleteEnvironmentConfiguration

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 \(p. 49\)](#) while the update is in progress or if the update fails. The `DeploymentStatus` for the draft configuration indicates whether the deployment is in process or has failed. The draft configuration remains in existence until it is deleted with this action.

## Request Parameters

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

### ApplicationName

The name of the application the environment is associated with.

Type: String

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

Required: Yes

### EnvironmentName

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

Type: String

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

Required: Yes

## Errors

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

## Examples

### Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?ApplicationName=SampleApp
&EnvironmentName=SampleApp
&Operation=DeleteEnvironmentConfiguration
&AuthParams
```

### Sample Response

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

```
</DeleteEnvironmentConfigurationResponse>
```



# DescribeApplications

Returns the descriptions of existing applications.

## Request Parameters

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

### ApplicationNames.member.N

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

Type: String list

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

Required: No

## Response Elements

The following element is returned.

### Applications

This parameter contains a list of [ApplicationDescription \(p. 103\)](#).

Type: [ApplicationDescription \(p. 103\)](#) list

## Errors

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

## Examples

### Sample Request

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

### Sample Response

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

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

# DescribeApplicationVersions

Returns descriptions for existing application versions.

## Request Parameters

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

### ApplicationName

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

Type: String

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

Required: No

### VersionLabels.member.N

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

Type: String list

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

Required: No

## Response Elements

The following element is returned.

### ApplicationVersions

A list of [ApplicationVersionDescription \(p. 104\)](#) .

Type: [ApplicationVersionDescription \(p. 104\)](#) list

## Errors

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

## Examples

### Sample Request

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

## Sample Response

```
<DescribeApplicationVersionsResponse xmlns="https://elasticbeanstalk.amazon
aws.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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

### ApplicationName

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

Type: String

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

Required: No

### EnvironmentName

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

Type: String

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

Required: No

### Options.member.N

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

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

Required: No

### SolutionStackName

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

Type: String

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

Required: No

### TemplateName

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

Type: String

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

Required: No

## Response Elements

The following elements are returned.

### Options

A list of [ConfigurationOptionDescription](#) (p. 106).

Type: [ConfigurationOptionDescription](#) (p. 106) list

### SolutionStackName

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

Type: String

## Errors

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

## Examples

### Sample Request

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

### Sample Response

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

    <Options>
      <member>
        <UserDefined>>false</UserDefined>
        <ChangeSeverity>RestartEnvironment</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Name>ImageId</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue>ami-6036c009</DefaultValue>
        <Namespace>aws:autoscaling:launchconfiguration</Namespace>
      </member>
      <member>
        <UserDefined>>false</UserDefined>
        <ChangeSeverity>NoInterruption</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Name>Notification Endpoint</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue/>
        <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
      </member>
      <member>
        <UserDefined>>false</UserDefined>
        <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
        <MaxLength>2000</MaxLength>
```

```
<Name>PARAM4</Name>
<ValueType>Scalar</ValueType>
<DefaultValue/>
<Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>JDBC_CONNECTION_STRING</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>SecurityGroups</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>elasticbeanstalk-default</DefaultValue>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>2</MinValue>
  <Name>UnhealthyThreshold</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>5</DefaultValue>
  <MaxValue>10</MaxValue>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <Name>InstanceType</Name>
  <ValueOptions>
    <member>t1.micro</member>
    <member>m1.small</member>
  </ValueOptions>
  <ValueType>Scalar</ValueType>
  <DefaultValue>t1.micro</DefaultValue>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <Name>Statistic</Name>
  <ValueOptions>
    <member>Minimum</member>
    <member>Maximum</member>
    <member>Sum</member>
    <member>Average</member>
  </ValueOptions>
  <ValueType>Scalar</ValueType>
  <DefaultValue>Average</DefaultValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
```

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



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

```
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<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>
```

```
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<DefaultValue/>
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</member>
<member>
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  <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>
```

```
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  <MaxLength>2000</MaxLength>
  <Name>PARAM1</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>1</MinValue>
  <Name>MaxSize</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>4</DefaultValue>
  <MaxValue>10000</MaxValue>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>0</MinValue>
  <Name>LowerThreshold</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>2000000</DefaultValue>
  <MaxValue>20000000</MaxValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>AWS_SECRET_KEY</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>AWS_ACCESS_KEY_ID</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>0</MinValue>
  <Name>UpperThreshold</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>6000000</DefaultValue>
  <MaxValue>20000000</MaxValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
```

```
<UserDefined>>false</UserDefined>
<ChangeSeverity>NoInterruption</ChangeSeverity>
<Name>Notification Protocol</Name>
<ValueOptions>
  <member>http</member>
  <member>https</member>
  <member>email</member>
  <member>email-json</member>
  <member>sqs</member>
</ValueOptions>
<ValueType>Scalar</ValueType>
<DefaultValue>email</DefaultValue>
<Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <Name>Unit</Name>
  <ValueOptions>
    <member>Seconds</member>
    <member>Percent</member>
    <member>Bytes</member>
    <member>Bits</member>
    <member>Count</member>
    <member>Bytes/Second</member>
    <member>Bits/Second</member>
    <member>Count/Second</member>
    <member>None</member>
  </ValueOptions>
  <ValueType>Scalar</ValueType>
  <DefaultValue>Bytes</DefaultValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Regex>
    <Pattern>^\S*$</Pattern>
    <Label>nospaces</Label>
  </Regex>
  <Name>Xmx</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>256m</DefaultValue>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>0</MinValue>
  <Name>Cooldown</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>360</DefaultValue>
  <MaxValue>10000</MaxValue>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
```

```
<UserDefined>>false</UserDefined>
<ChangeSeverity>NoInterruption</ChangeSeverity>
<MinValue>1</MinValue>
<Name>Period</Name>
<ValueType>Scalar</ValueType>
<DefaultValue>1</DefaultValue>
<MaxValue>600</MaxValue>
<Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Regex>
    <Pattern>^\S*$</Pattern>
    <Label>nospaces</Label>
  </Regex>
  <Name>Xms</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>256m</DefaultValue>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>EC2KeyName</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <Name>Stickiness Policy</Name>
  <ValueType>Boolean</ValueType>
  <DefaultValue>>false</DefaultValue>
  <Namespace>aws:elb:policies</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>PARAM3</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>2</MinValue>
  <Name>HealthyThreshold</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>3</DefaultValue>
  <MaxValue>10</MaxValue>
  <Namespace>aws:elb:healthcheck</Namespace>
```

```
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>SSLCertificateId</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
</Options>
</DescribeConfigurationOptionsResult>
<ResponseMetadata>
  <RequestId>e8768900-f272-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</DescribeConfigurationOptionsResponse>
```

# 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. 32)

## Request Parameters

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

### ApplicationName

The application for the environment or configuration template.

Type: String

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

Required: Yes

### EnvironmentName

The name of the environment to describe.

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

Type: String

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

Required: No

### TemplateName

The name of the configuration template to describe.

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

Type: String

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

Required: No

## Response Elements

The following element is returned.

### ConfigurationSettings

A list of [ConfigurationSettingsDescription](#) (p. 108).



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

## Errors

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

## Examples

### Sample Request

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

### Sample Response

```
<DescribeConfigurationSettingsResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <DescribeConfigurationSettingsResult>
    <ConfigurationSettings>
      <member>
        <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStack
Name>
        <OptionSettings>
          <member>
            <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStack
Name>
            <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>
          </member>
        </member>
      </member>
    </member>
  </member>
</DescribeConfigurationSettingsResult>
</DescribeConfigurationSettingsResponse>
```

## AWS Elastic Beanstalk API Reference Examples

---

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

## AWS Elastic Beanstalk API Reference Examples

```
    <Namespace>aws:autoscaling:trigger</Namespace>
  </member>
  <member>
    <OptionName>XX:MaxPermSize</OptionName>
    <Value>64m</Value>
    <Namespace>aws:elasticbeanstalk:container:tomcat:jv
options</Namespace>
  </member>
  <member>
    <OptionName>UpperBreachScaleIncrement</OptionName>
    <Value>1</Value>
    <Namespace>aws:autoscaling:trigger</Namespace>
  </member>
  <member>
    <OptionName>MinSize</OptionName>
    <Value>1</Value>
    <Namespace>aws:autoscaling:asg</Namespace>
  </member>
  <member>
    <OptionName>Custom Availability Zones</OptionName>
    <Value>us-east-1a</Value>
    <Namespace>aws:autoscaling:asg</Namespace>
  </member>
  <member>
    <OptionName>Availability Zones</OptionName>
    <Value>Any 1</Value>
    <Namespace>aws:autoscaling:asg</Namespace>
  </member>
  <member>
    <OptionName>LogPublicationControl</OptionName>
    <Value>>false</Value>
    <Namespace>aws:elasticbeanstalk:hostmanager</Namespace>
  </member>
  <member>
    <OptionName>JVM Options</OptionName>
    <Value/>
    <Namespace>aws:elasticbeanstalk:container:tomcat:jv
options</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>
```

## AWS Elastic Beanstalk API Reference Examples

---

```
<Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>BreachDuration</OptionName>
  <Value>2</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>MonitoringInterval</OptionName>
  <Value>5 minute</Value>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>PARAM1</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>MaxSize</OptionName>
  <Value>4</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>LowerThreshold</OptionName>
  <Value>2000000</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>AWS_SECRET_KEY</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>AWS_ACCESS_KEY_ID</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>UpperThreshold</OptionName>
  <Value>6000000</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Notification Protocol</OptionName>
  <Value>email</Value>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>Unit</OptionName>
  <Value>Bytes</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Xmx</OptionName>
  <Value>256m</Value>
```

## AWS Elastic Beanstalk API Reference Examples

```

    <Namespace>aws:elasticbeanstalk:container:tomcat:jv
moptions</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:jv
moptions</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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

### **AttributeNames.member.N**

Specifies the response elements you wish to receive. If no attribute names are specified, AWS Elastic Beanstalk returns all response elements.

Type: String list

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

Required: No

### **EnvironmentId**

Specifies the AWS Elastic Beanstalk environment ID.

Type: String

Required: No

### **EnvironmentName**

Specifies the AWS Elastic Beanstalk environment name.

Type: String

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

Required: No

## Response Elements

The following elements are returned.

### **ApplicationMetrics**

Represents the application metrics for a specified environment.

Type: [ApplicationMetrics \(p. 104\)](#)

### **Causes**

Returns potential causes for the reported status.

Type: String list

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

### **Color**

Returns the color indicator that tells you information about the health of the environment. For more information, see [Health Colors and Statuses](#).

Type: String

### **EnvironmentName**

The AWS Elastic Beanstalk environment name.

Type: String

**HealthStatus**

Contains the response body with information about the health of the environment.

Type: String

**InstancesHealth**

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

Type: [InstanceHealthSummary](#) (p. 117)

**RefreshedAt**

The date and time the information was last refreshed.

Type: DateTime

**Status**

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

Type: String

## Errors

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

**ElasticBeanstalkService**

HTTP Status Code: 400

**InvalidRequest**

The request is invalid, please check parameters and their values

HTTP Status Code: 400

## Examples

### Sample Request

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

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



# DescribeEnvironmentResources

Returns AWS resources for this environment.

## Request Parameters

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

### EnvironmentId

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

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

Type: String

Required: No

### EnvironmentName

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

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

Type: String

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

Required: No

## Response Elements

The following element is returned.

### EnvironmentResources

A list of [EnvironmentResourceDescription \(p. 114\)](#).

Type: [EnvironmentResourceDescription \(p. 114\)](#)

## Errors

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

### InsufficientPrivileges

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

HTTP Status Code: 403

## Examples

### Sample Request

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

### Sample Response

```
<DescribeEnvironmentResourcesResponse xmlns="https://elasticbeanstalk.amazonaws
aws.com/docs/2010-12-01/">
  <DescribeEnvironmentResourcesResult>
    <EnvironmentResources>
      <LoadBalancers>
        <member>
          <Name>elasticbeanstalk-SampleAppVersion</Name>
        </member>
      </LoadBalancers>
      <LaunchConfigurations>
        <member>
          <Name>elasticbeanstalk-SampleAppVersion-hbAc8cSZH7</Name>
        </member>
      </LaunchConfigurations>
      <AutoScalingGroups>
        <member>
          <Name>elasticbeanstalk-SampleAppVersion-us-east-1c</Name>
        </member>
      </AutoScalingGroups>
      <EnvironmentName>SampleAppVersion</EnvironmentName>
      <Triggers>
        <member>
          <Name>elasticbeanstalk-SampleAppVersion-us-east-1c</Name>
        </member>
      </Triggers>
      <Instances/>
    </EnvironmentResources>
  </DescribeEnvironmentResourcesResult>
  <ResponseMetadata>
    <RequestId>e1cb7b96-f287-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</DescribeEnvironmentResourcesResponse>
```

# DescribeEnvironments

Returns descriptions for existing environments.

## Request Parameters

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

### **ApplicationName**

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

Type: String

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

Required: No

### **EnvironmentIds.member.N**

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

Type: String list

Required: No

### **EnvironmentNames.member.N**

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

Type: String list

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

Required: No

### **IncludedDeletedBackTo**

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

Type: DateTime

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.

### Environments

Returns an [EnvironmentDescription](#) (p. 111) list.

Type: [EnvironmentDescription](#) (p. 111) list

## Errors

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

## Examples

### Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?ApplicationName=SampleApp
&IncludeDeleted=true
&IncludedDeletedBackTo=2008-11-05T06%3A00%3A00Z
&Operation=DescribeEnvironments
&AuthParams
```

### Sample Response

```
<DescribeEnvironmentsResponse xmlns="https://elasticbeanstalk.amazon
aws.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</SolutionStack
Name>
        <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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

**ApplicationName**

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

Type: String

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

Required: No

**EndTime**

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

Type: DateTime

Required: No

**EnvironmentId**

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

Type: String

Required: No

**EnvironmentName**

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

Type: String

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

Required: No

**MaxRecords**

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

Type: Integer

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: DateTime

Required: No

**TemplateName**

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

Type: String

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

Required: No

**VersionLabel**

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

Type: String

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

Required: No

## Response Elements

The following elements are returned.

**Events**

A list of [EventDescription](#) (p. 116).

Type: [EventDescription](#) (p. 116) list

**NextToken**

If returned, this indicates that there are more results to obtain. Use this token in the next [DescribeEvents](#) (p. 63) 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 \(p. 131\)](#).

## Examples

### Sample Request

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

### Sample Response

```
<DescribeEventsResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <DescribeEventsResult>
    <Events>
      <member>
        <Message>Successfully completed createEnvironment activity.</Message>
        <EventDate>2010-11-17T20:25:35.191Z</EventDate>
        <VersionLabel>New Version</VersionLabel>
        <RequestId>bb01fa74-f287-11df-8a78-9f77047e0d0c</RequestId>
        <ApplicationName>SampleApp</ApplicationName>
        <EnvironmentName>SampleAppVersion</EnvironmentName>
        <Severity>INFO</Severity>
      </member>
      <member>
        <Message>Launching a new EC2 instance: i-04a8c569</Message>
        <EventDate>2010-11-17T20:21:30Z</EventDate>
        <VersionLabel>New Version</VersionLabel>
        <ApplicationName>SampleApp</ApplicationName>
        <EnvironmentName>SampleAppVersion</EnvironmentName>
        <Severity>DEBUG</Severity>
      </member>
      <member>
        <Message>At least one EC2 instance has entered the InService lifecycle
state.</Message>
        <EventDate>2010-11-17T20:20:32.008Z</EventDate>
        <VersionLabel>New Version</VersionLabel>
        <RequestId>bb01fa74-f287-11df-8a78-9f77047e0d0c</RequestId>
        <ApplicationName>SampleApp</ApplicationName>
        <EnvironmentName>SampleAppVersion</EnvironmentName>
        <Severity>INFO</Severity>
      </member>
      <member>
        <Message>Elastic Load Balancer elasticbeanstalk-SampleAppVersion has
failed 0 healthy instances - Environment may not be available.</Message>
        <EventDate>2010-11-17T20:19:28Z</EventDate>
        <VersionLabel>New Version</VersionLabel>
        <ApplicationName>SampleApp</ApplicationName>
      </member>
    </Events>
  </DescribeEventsResult>
</DescribeEventsResponse>
```



```
    <EnvironmentName>SampleAppVersion</EnvironmentName>
    <Severity>WARN</Severity>
  </member>
</Events>
</DescribeEventsResult>
<ResponseMetadata>
  <RequestId>f10d02dd-f288-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</DescribeEventsResponse>
```

# DescribeInstancesHealth

Returns more detailed information about the health of the specified instances (for example, CPU utilization, load average, and causes). The **DescribeInstancesHealth** operation is only available with AWS Elastic Beanstalk Enhanced Health.

## Request Parameters

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

### **AttributeNames.member.N**

Specifies the response elements you wish to receive. If no attribute names are specified, AWS Elastic Beanstalk returns all response elements.

Type: String list

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

Required: No

### **EnvironmentId**

Specifies the AWS Elastic Beanstalk environment ID.

Type: String

Required: No

### **EnvironmentName**

Specifies the AWS Elastic Beanstalk environment name.

Type: String

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

Required: No

### **NextToken**

Specifies the next token of the request.

Type: String

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

Required: No

## Response Elements

The following elements are returned.

### **InstanceHealthList**

Contains the response body with information about the health of the instance.

Type: [SingleInstanceHealth \(p. 123\)](#) list

### **NextToken**

The next token.

Type: String

**RefreshedAt**

The date and time the information was last refreshed.

Type: DateTime

## Errors

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

**ElasticBeanstalkService**

HTTP Status Code: 400

**InvalidRequest**

The request is invalid, please check parameters and their values

HTTP Status Code: 400

## Examples

### Sample Request

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

<DescribeInstancesHealthResponse xmlns='http://elasticbeanstalk.amazon
aws.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.amazon
aws.com/docs/2010-12-01/' >
  <DescribeInstancesHealthResult>
    <InstanceHealthList>
      <member>
        <HealthStatus>Degraded</HealthStatus>
        <System>
          <CPUUtilization>
            <Idle>6.9</Idle>
          </CPUUtilization>
        </System>
      </member>
    </InstanceHealthList>
  </DescribeInstancesHealthResult>
  <ResponseMetadata>
    <RequestId>94808e26-3a47-11e5-94eb-3d0f44fb8967</RequestId>
  </ResponseMetadata>
</DescribeInstancesHealthResponse>
```

```
<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>
  <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.

### **SolutionStackDetails**

A list of available solution stacks and their [SolutionStackDescription](#) (p. 124).

Type: [SolutionStackDescription](#) (p. 124) list

### **SolutionStacks**

A list of available solution stacks.

Type: String list

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

## Errors

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

## Examples

### Sample Request

```
https://elasticbeanstalk.us-east-1.amazon.com/?Operation=ListAvailableSolutionStacks&AuthParams
```

### Sample Response

```
<ListAvailableSolutionStacksResponse xmlns="https://elasticbeanstalk.amazon.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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

### EnvironmentId

The ID of the environment to rebuild.

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

Type: String

Required: No

### EnvironmentName

The name of the environment to rebuild.

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

Type: String

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

Required: No

## Errors

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

### InsufficientPrivileges

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

HTTP Status Code: 403

## Examples

### Sample Request

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

## Sample Response

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

## RequestEnvironmentInfo

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 \(p. 76\)](#) to obtain the set of logs.

Related Topics

- [RetrieveEnvironmentInfo \(p. 76\)](#)

## Request Parameters

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

### EnvironmentId

The ID of the environment of the requested data.

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

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

Type: String

Required: No

### EnvironmentName

The name of the environment of the requested data.

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

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

Type: String

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

Required: No

### InfoType

The type of information to request.

Type: String

Valid Values: `tail` | `bundle`



Required: Yes

## Errors

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

## Examples

### Sample Request

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

### Sample Response

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

# RestartAppServer

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

## Request Parameters

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

### EnvironmentId

The ID of the environment to restart the server for.

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

Type: String

Required: No

### EnvironmentName

The name of the environment to restart the server for.

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

Type: String

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

Required: No

## Errors

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

## Examples

### Sample Request

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

### Sample Response

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

# RetrieveEnvironmentInfo

Retrieves the compiled information from a [RequestEnvironmentInfo \(p. 73\)](#) request.

Related Topics

- [RequestEnvironmentInfo \(p. 73\)](#)

## Request Parameters

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

### EnvironmentId

The ID of the data's environment.

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

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

Type: String

Required: No

### EnvironmentName

The name of the data's environment.

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

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

Type: String

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

Required: No

### InfoType

The type of information to retrieve.

Type: String

Valid Values: `tail` | `bundle`

Required: Yes

## Response Elements

The following element is returned.

### EnvironmentInfo

The [EnvironmentInfoDescription \(p. 113\)](#) of the environment.

Type: [EnvironmentInfoDescription \(p. 113\)](#) list

## Errors

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

## Examples

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

### DestinationEnvironmentId

The ID of the destination environment.

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

Type: String

Required: No

### DestinationEnvironmentName

The name of the destination environment.

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

Type: String

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

Required: No

### SourceEnvironmentId

The ID of the source environment.

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

Type: String

Required: No

### SourceEnvironmentName

The name of the source environment.

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

Type: String

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

Required: No

## Errors

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

## Examples

### Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?SourceEnvironmentName=SampleApp
&DestinationEnvironmentName=SampleApp2
&Operation=SwapEnvironmentCNAMEs
&AuthParams
```

### Sample Response

```
<SwapEnvironmentCNAMEsResponse xmlns="http://elasticbeanstalk.amazonaws
aws.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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

### EnvironmentId

The ID of the environment to terminate.

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

Type: String

Required: No

### EnvironmentName

The name of the environment to terminate.

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

Type: String

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

Required: No

### TerminateResources

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

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

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

Default: `true`

Valid Values: `true` | `false`

Type: Boolean

Required: No

## Response Elements

The following elements are returned.

### 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

**CNAME**

The URL to the CNAME for this environment.

Type: String

**DateCreated**

The creation date for this environment.

Type: DateTime

**DateUpdated**

The last modified date for this environment.

Type: DateTime

**Description**

Describes this environment.

Type: String

**EndpointURL**

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

Type: String

**EnvironmentId**

The ID of this environment.

Type: String

**EnvironmentName**

The name of this environment.

Type: String

**Health**

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

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

Default: Grey

Type: String

**HealthStatus**

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

Type: String



**Resources**

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) (p. 115)

**SolutionStackName**

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

Type: String

**Status**

The current operational status of the environment:

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

Type: String

**TemplateName**

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

Type: String

**Tier**

Describes the current tier of this environment.

Type: [EnvironmentTier](#) (p. 115)

**VersionLabel**

The application version deployed in this environment.

Type: String

## Errors

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

**InsufficientPrivileges**

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

HTTP Status Code: 403

## Examples

### Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?EnvironmentId=e-icsgecu3wf
&EnvironmentName=SampleApp
&TerminateResources=true
&Operation=TerminateEnvironment
&AuthParams
```

## Sample Response

```
<TerminateEnvironmentResponse xmlns="https://elasticbeanstalk.amazon
aws.com/docs/2010-12-01/">
  <TerminateEnvironmentResult>
    <VersionLabel>Version1</VersionLabel>
    <Status>Terminating</Status>
    <ApplicationName>SampleApp</ApplicationName>
    <EndpointURL>elasticbeanstalk-SampleApp-1394386994.us-east-1.elb.amazon
aws.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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

**ApplicationName**

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

Type: String

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

Required: Yes

**Description**

A new description for the application.

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

Type: String

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

Required: No

## Response Elements

The following element is returned.

**Application**

The [ApplicationDescription \(p. 103\)](#) of the application.

Type: [ApplicationDescription \(p. 103\)](#)

## Errors

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

## Examples

### Sample Request

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

```
&Operation=UpdateApplication  
&AuthParams
```

## Sample Response

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

# UpdateApplicationVersion

Updates the specified application version to have the specified properties.

## Note

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

## Request Parameters

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

### ApplicationName

The name of the application associated with this version.

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

Type: String

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

Required: Yes

### Description

A new description for this release.

Type: String

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

Required: No

### VersionLabel

The name of the version to update.

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

Type: String

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

Required: Yes

## Response Elements

The following element is returned.

### ApplicationVersion

The [ApplicationVersionDescription \(p. 104\)](#) of the application version.

Type: [ApplicationVersionDescription \(p. 104\)](#)

## Errors

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

## Examples

### Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?ApplicationName=SampleApp
&VersionLabel=New%20Version
&Description=New%20Release%20Description
&Operation=UpdateApplicationVersion
&AuthParams
```

### Sample Response

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

# UpdateConfigurationTemplate

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. 38)

## Request Parameters

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

### ApplicationName

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

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

Type: String

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

Required: Yes

### Description

A new description for the configuration.

Type: String

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

Required: No

### OptionSettings.member.N

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

Type: [ConfigurationOptionSetting](#) (p. 107) list

Required: No

### OptionsToRemove.member.N

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

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

Type: [OptionSpecification](#) (p. 122) list

Required: No

### TemplateName

The name of the configuration template to update.

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

Type: String

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

Required: Yes

## Response Elements

The following elements are returned.

### **ApplicationName**

The name of the application associated with this configuration set.

Type: String

### **DateCreated**

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

Type: DateTime

### **DateUpdated**

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

Type: DateTime

### **DeploymentStatus**

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

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

Type: String

### **Description**

Describes this configuration set.

Type: String

### **EnvironmentName**

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

Type: String

### **OptionSettings**

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

Type: [ConfigurationOptionSetting \(p. 107\)](#) list

### **SolutionStackName**

The name of the solution stack this configuration set uses.

Type: String

### **TemplateName**

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

Type: String



## Errors

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

### InsufficientPrivileges

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

HTTP Status Code: 403

## Examples

### Sample Request

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

### Sample Response

```
<UpdateConfigurationTemplateResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <UpdateConfigurationTemplateResult>
    <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>

    <OptionSettings>
      <member>
        <OptionName>Availability Zones</OptionName>
        <Value>Any 1</Value>
        <Namespace>aws:autoscaling:asg</Namespace>
      </member>
      <member>
        <OptionName>PARAM5</OptionName>
        <Value/>
        <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
      </member>
      <member>
        <OptionName>LowerThreshold</OptionName>
        <Value>1000000</Value>
        <Namespace>aws:autoscaling:trigger</Namespace>
      </member>
      <member>
        <OptionName>UpperThreshold</OptionName>
        <Value>9000000</Value>
        <Namespace>aws:autoscaling:trigger</Namespace>
      </member>
      <member>
        <OptionName>LowerBreachScaleIncrement</OptionName>
```

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```
<Value>-1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>MeasureName</OptionName>
  <Value>NetworkOut</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Period</OptionName>
  <Value>60</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Xmx</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <OptionName>PARAM3</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>EC2KeyName</OptionName>
  <Value/>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>MinSize</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>JVM Options</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <OptionName>XX:MaxPermSize</OptionName>
  <Value>64m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <OptionName>AWS_SECRET_KEY</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>UpperBreachScaleIncrement</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Notification Topic ARN</OptionName>
```

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

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

## AWS Elastic Beanstalk API Reference Examples

---

```
<Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>LogPublicationControl</OptionName>
  <Value>>false</Value>
  <Namespace>aws:elasticbeanstalk:hostmanager</Namespace>
</member>
<member>
  <OptionName>BreachDuration</OptionName>
  <Value>120</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>PARAM1</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>Notification Endpoint</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>Protocol</OptionName>
  <Value>HTTP</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <OptionName>Xms</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>

</member>
</OptionSettings>
<Description>changed description</Description>
<ApplicationName>SampleApp</ApplicationName>
<DateCreated>2010-11-17T19:26:20.420Z</DateCreated>
<TemplateName>Default</TemplateName>
<DateUpdated>2010-11-17T20:58:27.508Z</DateUpdated>
</UpdateConfigurationTemplateResult>
<ResponseMetadata>
  <RequestId>6cbcb09a-f28d-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</UpdateConfigurationTemplateResponse>
```

# UpdateEnvironment

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

## Request Parameters

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

### Description

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

Type: String

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

Required: No

### EnvironmentId

The ID of the environment to update.

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

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

Type: String

Required: No

### EnvironmentName

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

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

Type: String

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

Required: No

### OptionSettings.member.N

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

Type: [ConfigurationOptionSetting](#) (p. 107) list

Required: No

**OptionsToRemove.member.N**

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

Type: [OptionSpecification](#) (p. 122) list

Required: No

**SolutionStackName**

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

Type: String

Length constraints: Minimum length of 0. 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. 115)

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.

**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

**CNAME**

The URL to the CNAME for this environment.

Type: String

**DateCreated**

The creation date for this environment.

Type: DateTime

**DateUpdated**

The last modified date for this environment.

Type: DateTime

**Description**

Describes this environment.

Type: String

**EndpointURL**

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

Type: String

**EnvironmentId**

The ID of this environment.

Type: String

**EnvironmentName**

The name of this environment.

Type: String

**Health**

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

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

Default: Grey

Type: String

**HealthStatus**

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

Type: String

**Resources**

The description of the AWS resources used by this environment.



Type: [EnvironmentResourcesDescription](#) (p. 115)

**SolutionStackName**

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

Type: String

**Status**

The current operational status of the environment:

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

Type: String

**TemplateName**

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

Type: String

**Tier**

Describes the current tier of this environment.

Type: [EnvironmentTier](#) (p. 115)

**VersionLabel**

The application version deployed in this environment.

Type: String

## Errors

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

**InsufficientPrivileges**

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

HTTP Status Code: 403

## Examples

### Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?EnvironmentId=e-hc8mvmnayrx
&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.amazon
aws.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 common parameters that all actions use, see [Common Parameters \(p. 129\)](#).

### ApplicationName

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

Type: String

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

Required: Yes

### EnvironmentName

The name of the environment to validate the settings against.

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

Type: String

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

Required: No

### OptionSettings.member.N

A list of the options and desired values to evaluate.

Type: [ConfigurationOptionSetting \(p. 107\)](#) list

Required: Yes

### TemplateName

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

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

Type: String

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

Required: No

## Response Elements

The following element is returned.

### Messages

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

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

## Errors

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

### InsufficientPrivileges

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

HTTP Status Code: 403

## Examples

### Sample Request

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

### Sample Response

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

# Data Types

---

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

**Note**

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

The following data types are supported:

- [ApplicationDescription](#) (p. 103)
- [ApplicationMetrics](#) (p. 104)
- [ApplicationVersionDescription](#) (p. 104)
- [AutoScalingGroup](#) (p. 105)
- [ConfigurationOptionDescription](#) (p. 106)
- [ConfigurationOptionSetting](#) (p. 107)
- [ConfigurationSettingsDescription](#) (p. 108)
- [CPUUtilization](#) (p. 110)
- [EnvironmentDescription](#) (p. 111)
- [EnvironmentInfoDescription](#) (p. 113)
- [EnvironmentResourceDescription](#) (p. 114)
- [EnvironmentResourcesDescription](#) (p. 115)
- [EnvironmentTier](#) (p. 115)
- [EventDescription](#) (p. 116)
- [Instance](#) (p. 117)
- [InstanceHealthSummary](#) (p. 117)
- [Latency](#) (p. 118)
- [LaunchConfiguration](#) (p. 120)
- [Listener](#) (p. 120)
- [LoadBalancer](#) (p. 120)
- [LoadBalancerDescription](#) (p. 121)
- [OptionRestrictionRegex](#) (p. 121)
- [OptionSpecification](#) (p. 122)
- [Queue](#) (p. 122)

- [S3Location](#) (p. 123)
- [SingleInstanceHealth](#) (p. 123)
- [SolutionStackDescription](#) (p. 124)
- [SourceConfiguration](#) (p. 125)
- [StatusCodes](#) (p. 125)
- [SystemStatus](#) (p. 126)
- [Tag](#) (p. 126)
- [Trigger](#) (p. 127)
- [ValidationMessage](#) (p. 127)

# ApplicationDescription

## Description

Describes the properties of an application.

## Contents

### **ApplicationName**

The name of the application.

Type: String

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

Required: No

### **ConfigurationTemplates**

The names of the configuration templates associated with this application.

Type: String list

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

Required: No

### **DateCreated**

The date when the application was created.

Type: DateTime

Required: No

### **DateUpdated**

The date when the application was last modified.

Type: DateTime

Required: No

### **Description**

User-defined description of the application.

Type: String

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

Required: No

#### **Versions**

The names of the versions for this application.

Type: String list

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

Required: No

## ApplicationMetrics

### Description

Represents the application metrics for a specified 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 \(p. 118\)](#)

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 \(p. 125\)](#)

Required: No

## ApplicationVersionDescription

### Description

Describes the properties of an application version.

## Contents

### **ApplicationName**

The name of the application associated with this release.

Type: String

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

Required: No

### **DateCreated**

The creation date of the application version.

Type: DateTime

Required: No

### **DateUpdated**

The last modified date of the application version.

Type: DateTime

Required: No

### **Description**

The description of this application version.

Type: String

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

Required: No

### **SourceBundle**

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

Type: [S3Location](#) (p. 123)

Required: No

### **VersionLabel**

A label uniquely identifying the version for the associated application.

Type: String

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

Required: No

## AutoScalingGroup

### Description

Describes an Auto Scaling launch configuration.

### Contents

#### **Name**

The name of the `AutoScalingGroup`.



Type: String

Required: No

# ConfigurationOptionDescription

## Description

Describes the possible values for a configuration option.

## Contents

### ChangeSeverity

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

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

Type: String

Required: No

### DefaultValue

The default value for this configuration option.

Type: String

Required: No

### MaxLength

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

Type: Integer

Required: No

### MaxValue

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

Type: Integer

Required: No

### MinValue

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

Type: Integer

Required: No

### Name

The name of the configuration option.

Type: String

Required: No

**Namespace**

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

Type: String

Required: No

**Regex**

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

Type: [OptionRestrictionRegex](#) (p. 121)

Required: No

**UserDefined**

An indication of whether the user defined this configuration option:

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

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

Valid Values: `true` | `false`

Type: Boolean

Required: No

**ValueOptions**

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

Type: String list

Required: No

**ValueType**

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

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

Type: String

Valid Values: `Scalar` | `List`

Required: No

## ConfigurationOptionSetting

### Description

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

## Contents

### Namespace

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

Type: String

Required: No

### OptionName

The name of the configuration option.

Type: String

Required: No

### 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

### Description

Describes the settings for a configuration set.

## Contents

### ApplicationName

The name of the application associated with this configuration set.

Type: String

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

Required: No

### DateCreated

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

Type: DateTime

Required: No

### DateUpdated

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

Type: DateTime

Required: No

**DeploymentStatus**

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

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

Type: String

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

Required: No

**Description**

Describes this configuration set.

Type: String

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

Required: No

**EnvironmentName**

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

Type: String

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

Required: No

**OptionSettings**

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

Type: [ConfigurationOptionSetting \(p. 107\)](#) list

Required: No

**SolutionStackName**

The name of the solution stack this configuration set uses.

Type: String

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

Required: No

**TemplateName**

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

Type: String

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

Required: No

# CPUUtilization

## Description

Represents CPU utilization information from the specified instance that belongs to the AWS Elastic Beanstalk environment. Use the `instanceId` property to specify the application instance for which you'd like to return data.

## 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

# EnvironmentDescription

## Description

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: DateTime

Required: No

### **DateUpdated**

The last modified date for this environment.

Type: DateTime

Required: No

### **Description**

Describes this environment.

Type: String

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

Required: No

**EndpointURL**

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

Type: String

Required: No

**EnvironmentId**

The ID of this environment.

Type: String

Required: No

**EnvironmentName**

The name of this environment.

Type: String

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

Required: No

**Health**

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

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

Default: Grey

Type: String

Valid Values: Green | Yellow | Red | Grey

Required: No

**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. 115)

Required: No

**SolutionStackName**

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

Type: String

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

Required: No

**Status**

The current operational status of the environment:

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

Type: String

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

Required: No

**TemplateName**

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

Type: String

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

Required: No

**Tier**

Describes the current tier of this environment.

Type: [EnvironmentTier](#) (p. 115)

Required: No

**VersionLabel**

The application version deployed in this environment.

Type: String

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

Required: No

## EnvironmentInfoDescription

### Description

The information retrieved from the Amazon EC2 instances.

### Contents

**Ec2InstanceId**

The Amazon EC2 Instance ID for this information.

Type: String



Required: No

**InfoType**

The type of information retrieved.

Type: String

Valid Values: `tail` | `bundle`

Required: No

**Message**

The retrieved information.

Type: String

Required: No

**SampleTimestamp**

The time stamp when this information was retrieved.

Type: DateTime

Required: No

## EnvironmentResourceDescription

### Description

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

### Contents

**AutoScalingGroups**

The `AutoScalingGroups` used by this environment.

Type: [AutoScalingGroup \(p. 105\)](#) list

Required: No

**EnvironmentName**

The name of the environment.

Type: String

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

Required: No

**Instances**

The Amazon EC2 instances used by this environment.

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

Required: No

**LaunchConfigurations**

The Auto Scaling launch configurations in use by this environment.

Type: [LaunchConfiguration \(p. 120\)](#) list

Required: No

#### **LoadBalancers**

The LoadBalancers in use by this environment.

Type: [LoadBalancer \(p. 120\)](#) list

Required: No

#### **Queues**

The queues used by this environment.

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

Required: No

#### **Triggers**

The `AutoScaling` triggers in use by this environment.

Type: [Trigger \(p. 127\)](#) list

Required: No

## EnvironmentResourcesDescription

### Description

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

### Contents

#### **LoadBalancer**

Describes the LoadBalancer.

Type: [LoadBalancerDescription \(p. 121\)](#)

Required: No

## EnvironmentTier

### Description

Describes the properties of an environment tier

### Contents

#### **Name**

The name of this environment tier.

Type: String

Required: No

#### **Type**

The type of this environment tier.

Type: String

Required: No

**Version**

The version of this environment tier.

Type: String

Required: No

## EventDescription

### Description

Describes an event.

### Contents

**ApplicationName**

The application associated with the event.

Type: String

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

Required: No

**EnvironmentName**

The name of the environment associated with this event.

Type: String

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

Required: No

**EventDate**

The date when the event occurred.

Type: DateTime

Required: No

**Message**

The event message.

Type: String

Required: No

**RequestId**

The web service request ID for the activity of this event.

Type: String

Required: No

**Severity**

The severity level of this event.

Type: String

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

Required: No

**TemplateName**

The name of the configuration associated with this event.

Type: String

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

Required: No

**VersionLabel**

The release label for the application version associated with this event.

Type: String

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

Required: No

## Instance

### Description

The description of an Amazon EC2 instance.

### Contents

**Id**

The ID of the Amazon EC2 instance.

Type: String

Required: No

## InstanceHealthSummary

### Description

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

### Description

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

### Description

Describes an Auto Scaling launch configuration.

### Contents

#### Name

The name of the launch configuration.

Type: String

Required: No

## Listener

### Description

Describes the properties of a Listener for the LoadBalancer.

### Contents

#### Port

The port that is used by the Listener.

Type: Integer

Required: No

#### Protocol

The protocol that is used by the Listener.

Type: String

Required: No

## LoadBalancer

### Description

Describes a LoadBalancer.

### Contents

#### Name

The name of the LoadBalancer.

Type: String

Required: No

## LoadBalancerDescription

### Description

Describes the details of a LoadBalancer.

### Contents

#### Domain

The domain name of the LoadBalancer.

Type: String

Required: No

#### Listeners

A list of Listeners used by the LoadBalancer.

Type: [Listener \(p. 120\)](#) list

Required: No

#### LoadBalancerName

The name of the LoadBalancer.

Type: String

Required: No

## OptionRestrictionRegex

### Description

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

### Contents

#### Label

A unique name representing this regular expression.

Type: String

Required: No

#### Pattern

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

Type: String

Required: No



# OptionSpecification

## Description

A specification identifying an individual configuration option.

## Contents

### Namespace

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

Type: String

Required: No

### OptionName

The name of the configuration option.

Type: String

Required: No

### 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

## Description

Describes a queue.

## Contents

### Name

The name of the queue.

Type: String

Required: No

### URL

The URL of the queue.

Type: String

Required: No

## S3Location

### Description

A specification of a location in Amazon S3.

### Contents

#### S3Bucket

The Amazon S3 bucket where the data is located.

Type: String

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

Required: No

#### S3Key

The Amazon S3 key where the data is located.

Type: String

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

Required: No

## SingleInstanceHealth

### Description

Represents health information from the specified instance that belongs to the AWS Elastic Beanstalk environment. Use the `InstanceId` property to specify the application instance for which you'd like to return data.

### Contents

#### ApplicationMetrics

Represents the application metrics for a specified environment.

Type: [ApplicationMetrics](#) (p. 104)

Required: No

#### Causes

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

Type: String list

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

**HealthStatus**

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

Type: String

Required: No

**Instanceld**

The ID of the Amazon EC2 instance.

Type: String

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

Required: No

**LaunchedAt**

The time at which the EC2 instance was launched.

Type: DateTime

Required: No

**System**

Represents CPU utilization and load average information for applications running in the specified environment.

Type: [SystemStatus](#) (p. 126)

Required: No

## SolutionStackDescription

### Description

Describes the solution stack.

### Contents

**PermittedFileTypes**

The permitted file types allowed for a solution stack.

Type: String list

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

Required: No

**SolutionStackName**

The name of the solution stack.

Type: String

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

Required: No

# SourceConfiguration

## Description

A specification for an environment configuration

## Contents

### ApplicationName

The name of the application associated with the configuration.

Type: String

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

Required: No

### TemplateName

The name of the configuration template.

Type: String

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

Required: No

# StatusCodes

## Description

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

### Description

Represents CPU utilization and load average information for applications running in the specified environment.

### Contents

**CPUUtilization**

Represents CPU utilization information from the specified instance that belongs to the AWS Elastic Beanstalk environment. Use the `instanceId` property to specify the application instance for which you'd like to return data.

Type: [CPUUtilization](#) (p. 110)

Required: No

**LoadAverage**

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

Type: Double list

Required: No

## Tag

### Description

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

### Description

Describes a trigger.

### Contents

**Name**

The name of the trigger.

Type: String

Required: No

## ValidationMessage

### Description

An error or warning for a desired configuration option value.

### Contents

**Message**

A message describing the error or warning.

Type: String

Required: No

**Namespace**

Type: String

Required: No

**OptionName**

Type: String

Required: No

**Severity**

An indication of the severity of this message:

- error: This message indicates that this is not a valid setting for an option.

- warning: This message is providing information you should take into account.

Type: String

Valid Values: error | warning

Required: No

# Common Parameters

---

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

**Action**

The action to be performed.

Default: None

Type: string

Required: Yes

**AuthParams**

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

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

Default: None

Required: Conditional

**AWSSessionToken**

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

Default: None

Type: string

Required: Yes

**Expires**

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

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

Default: None

Type: string



Required: Conditional

**SecurityToken**

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

Default: None

Type: string

Required: No

**Signature**

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

Default: None

Type: string

Required: Yes

**SignatureMethod**

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

Default: None

Type: string

Valid Values: HmacSHA256 | HmacSHA1

Required: Yes

**SignatureVersion**

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

Default: None

Type: string

Required: Yes

**Timestamp**

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

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

Default: None

Type: string

Required: Conditional

**Version**

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

Default: None

Type: string

Required: Yes

# Common Errors

---

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

**IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 400

**InternalFailure**

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

HTTP Status Code: 500

**InvalidAction**

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

HTTP Status Code: 400

**InvalidClientTokenId**

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

HTTP Status Code: 403

**InvalidParameterCombination**

Parameters that must not be used together were used together.

HTTP Status Code: 400

**InvalidParameterValue**

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

HTTP Status Code: 400

**InvalidQueryStringParameter**

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

HTTP Status Code: 400

**MalformedQueryString**

The query string contains a syntax error.

HTTP Status Code: 404

**MissingAction**

The request is missing an action or a required parameter.

HTTP Status Code: 400

**MissingAuthenticationToken**

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

HTTP Status Code: 403

**MissingParameter**

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

**OptInRequired**

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

HTTP Status Code: 403

**RequestExpired**

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

HTTP Status Code: 400

**ServiceUnavailable**

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

HTTP Status Code: 503

**Throttling**

The request was denied due to request throttling.

HTTP Status Code: 400

**ValidationError**

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

HTTP Status Code: 400