
AWS Elastic Beanstalk

API Reference

API Version 2010-12-01



AWS Elastic Beanstalk: API Reference

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Welcome

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

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

For more information about this product, go to the [AWS Elastic Beanstalk](#) details page. For specific information about setting up signatures and authorization through the API, go to the [AWS Elastic Beanstalk User Guide](#).

Endpoints

AWS Elastic Beanstalk supports the following region-specific endpoint:

- <https://elasticbeanstalk.us-east-1.amazonaws.com>

This document was last updated on January 24, 2011.

Common Query Parameters

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

Parameter Name	Description	Required
<i>Action</i>	The action to perform. Default: None Type: String	Yes
<i>AWSAccessKeyId</i>	The Access Key ID corresponding to the AWS Secret Access Key you used to sign the request. Default: None Type: String	Yes
<i>Expires</i>	The date and time at which the request signature expires, in the format YYYY-MM-DDThh:mm:ssZ, as specified in the ISO 8601 standard. Condition: Requests must include either <i>Timestamp</i> or <i>Expires</i> , but not both. Default: None Type: String	Conditional
<i>Signature</i>	The digital signature you created for the request. Refer to the service's developer documentation for information about how to generate the signature. Default: None Type: String	Yes
<i>SignatureMethod</i>	The hash algorithm you used to create the request signature. Default: None Valid Values: HmacSHA256 HmacSHA1. Type: String	Yes

Parameter Name	Description	Required
<i>SignatureVersion</i>	The signature version you use to sign the request. Set this value to 2. Default: None Valid Value: 2 Type: String	Yes
<i>Timestamp</i>	The date and time the request was signed, in the format YYYY-MM-DDThh:mm:ssZ, as specified in the ISO 8601 standard. Condition: Requests must include either <i>Timestamp</i> or <i>Expires</i> , but not both. Default: None Type: String	Conditional
<i>Version</i>	The API version to use, in the format YYYY-MM-DD. Default: None Type: String	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.

Error	Description	HTTP Status Code
<code>IncompleteSignature</code>	The request signature does not conform to AWS standards.	400
<code>InternalFailure</code>	The request processing has failed due to some unknown error, exception or failure.	500
<code>InvalidAction</code>	The action or operation requested is invalid.	400
<code>InvalidClientTokenId</code>	The X.509 certificate or AWS Access Key ID provided does not exist in our records.	403
<code>InvalidParameterCombination</code>	Parameters that must not be used together were used together.	400
<code>InvalidParameterValue</code>	Bad or out of range value was supplied for the input parameter.	400
<code>InvalidQueryParameter</code>	AWS query string is malformed, does not adhere to AWS standards.	400
<code>MalformedQueryString</code>	The query string is malformed.	404
<code>MissingAction</code>	The request is missing an action or operation parameter.	400
<code>MissingAuthenticationToken</code>	Request must contain either a valid (registered) AWS Access Key ID or X.509 certificate.	403
<code>MissingParameter</code>	An input parameter that is mandatory for processing the request is not supplied.	400

Error	Description	HTTP Status Code
OptInRequired	The AWS Access Key ID needs a subscription for the service.	403
RequestExpired	Request is past expires date or the request date (either with 15 minute padding), or the request date occurs more than 15 minutes in the future.	400
ServiceUnavailable	The request has failed due to a temporary failure of the server.	503
Throttling	Request was denied due to request throttling.	400

Actions

The actions described in this guide are called using the AWS Query protocol.

The following actions are supported:

- [CheckDNSAvailability](#) (p. 8)
- [CreateApplication](#) (p. 10)
- [CreateApplicationVersion](#) (p. 12)
- [CreateConfigurationTemplate](#) (p. 15)
- [CreateEnvironment](#) (p. 23)
- [CreateStorageLocation](#) (p. 27)
- [DeleteApplication](#) (p. 28)
- [DeleteApplicationVersion](#) (p. 29)
- [DeleteConfigurationTemplate](#) (p. 31)
- [DeleteEnvironmentConfiguration](#) (p. 33)
- [DescribeApplicationVersions](#) (p. 35)
- [DescribeApplications](#) (p. 37)
- [DescribeConfigurationOptions](#) (p. 39)
- [DescribeConfigurationSettings](#) (p. 50)
- [DescribeEnvironmentResources](#) (p. 56)
- [DescribeEnvironments](#) (p. 58)
- [DescribeEvents](#) (p. 60)
- [ListAvailableSolutionStacks](#) (p. 63)
- [RebuildEnvironment](#) (p. 64)
- [RequestEnvironmentInfo](#) (p. 65)
- [RestartAppServer](#) (p. 67)
- [RetrieveEnvironmentInfo](#) (p. 68)
- [TerminateEnvironment](#) (p. 70)
- [UpdateApplication](#) (p. 73)

- [UpdateApplicationVersion](#) (p. 75)
- [UpdateConfigurationTemplate](#) (p. 77)
- [UpdateEnvironment](#) (p. 84)
- [ValidateConfigurationSettings](#) (p. 88)

CheckDNSAvailability

Description

Checks if the specified CNAME is available.

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>CNAMEPrefix</i>	The prefix used when this CNAME is reserved. Type: String	Yes

Response Elements

The following elements come wrapped in a `CheckDNSAvailabilityResult` structure.

Name	Description
Available	Indicates if the specified CNAME is available: <ul style="list-style-type: none"><code>true</code>: The CNAME is available.<code>false</code>: The CNAME is not available. Type: Boolean
FullyQualifiedCNAME	The fully qualified CNAME to reserve when CreateEnvironment (p. 23) is called with the provided prefix. Type: String

Examples

Sample Request

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

Sample Response

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

    <FullyQualifiedCNAME>sampleapplication.elasticbeanstalk.amazonaws.com</FullyQualifiedCNAME>

    <Available>true</Available>
```

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

CreateApplication

Description

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



Note

The `default` configuration template is for a 32-bit version of the Amazon Linux operating system running the Tomcat 6 application container.

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	The name of the application. Constraint: This name must be unique within your account. If the specified name already exists, the action returns an <code>InvalidParameterValue</code> error. Type: String	Yes
<i>Description</i>	Describes the application. Type: String	No

Response Elements

The following elements come wrapped in a `CreateApplicationResult` structure.

Name	Description
<i>Application</i>	The ApplicationDescription (p. 91) of the application. Type: ApplicationDescription (p. 91)

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
<code>InvalidParameterValue</code>	400	A bad or out-of-range value was supplied for the input parameter.
<code>TooManyApplications</code>	400	The caller has exceeded the limit on the number of applications associated with their account.
<code>ValidationError</code>	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

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

Sample Response

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

CreateApplicationVersion

Description

Creates an application version for the specified application.



Note

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

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	The name of the application. If no application is found with this name, and <code>AutoCreateApplication</code> is <code>false</code> , returns an <code>InvalidParameterValue</code> error. Type: String	Yes
<i>AutoCreateApplication</i>	Determines how the system behaves if the specified application for this version does not already exist: <ul style="list-style-type: none"> <code>true</code> : Automatically creates the specified application for this release if it does not already exist. <code>false</code> : Throws an <code>InvalidParameterValue</code> if the specified application for this release does not already exist. Default: <code>false</code> Valid Values: <code>true</code> <code>false</code> Type: Boolean	No
<i>Description</i>	Describes this version. Type: String	No
<i>SourceBundle</i>	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 <code>InvalidParameterValue</code> error. 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 <code>InvalidParameterCombination</code> error. Type: S3Location (p. 108)	No

Name	Description	Required
<i>VersionLabel</i>	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 <code>InvalidParameterValue</code> error. Type: String	Yes

Response Elements

The following elements come wrapped in a `CreateApplicationVersionResult` structure.

Name	Description
<code>ApplicationVersion</code>	The ApplicationVersionDescription (p. 92) of the application version. Type: ApplicationVersionDescription (p. 92)

Errors

For information about the common errors that all actions use, see [Common Errors](#) (p. 4).

Error	Code	Description
<code>InvalidParameterCombination</code>	400	Parameters that must not be used together were used together.
<code>InvalidParameterValue</code>	400	A bad or out-of-range value was supplied for the input parameter.
<code>TooManyApplicationVersions</code>	400	The caller has exceeded the limit on the number of application versions associated with their account.
<code>ValidationError</code>	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

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

CreateConfigurationTemplate

Description

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

Related Topics

- [DescribeConfigurationOptions](#) (p. 39)
- [DescribeConfigurationSettings](#) (p. 50)
- [ListAvailableSolutionStacks](#) (p. 63)

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters](#) (p. 2).

Name	Description	Required
<i>ApplicationName</i>	The name of the application to associate with this configuration template. If no application is found with this name, AWS Elastic Beanstalk returns an <code>InvalidParameterValue</code> error. Type: String	Yes
<i>Description</i>	Describes this configuration. Type: String	No
<i>OptionSettings.member.N</i>	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. 95) list	No
<i>SolutionStackName</i>	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. 63) to obtain a list of available solution stacks. Default: If the <code>SolutionStackName</code> is not specified and the source configuration parameter is blank, AWS Elastic Beanstalk uses the default solution stack. If not specified and the source configuration parameter is specified, AWS Elastic Beanstalk uses the same solution stack as the source configuration template. Type: String	No

Name	Description	Required
<i>SourceConfiguration</i>	<p>If specified, AWS Elastic Beanstalk uses the configuration values from the specified configuration template to create a new configuration.</p> <p>Values specified in the <code>OptionSettings</code> parameter of this call overrides any values obtained from the <code>SourceConfiguration</code>.</p> <p>If no configuration template is found, returns an <code>InvalidParameterValue</code> error.</p> <p>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 <code>InvalidParameterCombination</code> error. Type: SourceConfiguration (p. 108)</p>	No
<i>TemplateName</i>	<p>The name of the configuration template.</p> <p>Constraint: This name must be unique per application.</p> <p>Default: If a configuration template already exists with this name, AWS Elastic Beanstalk returns an <code>InvalidParameterValue</code> error. Type: String</p>	Yes

Response Elements

The following elements come wrapped in a `CreateConfigurationTemplateResult` structure.

Name	Description
<code>ApplicationName</code>	The name of the application associated with this configuration set. Type: String
<code>DateCreated</code>	The date (in UTC time) when this configuration set was created. Type: DateTime
<code>DateUpdated</code>	The date (in UTC time) when this configuration set was last modified. Type: DateTime

Name	Description
DeploymentStatus	<p>If this configuration set is associated with an environment, the <code>DeploymentStatus</code> parameter indicates the deployment status of this configuration set:</p> <ul style="list-style-type: none"> • <code>null</code>: This configuration is not associated with a running environment. • <code>pending</code>: This is a draft configuration that is not deployed to the associated environment but is in the process of deploying. • <code>deployed</code>: This is the configuration that is currently deployed to the associated running environment. • <code>failed</code>: This is a draft configuration that failed to successfully deploy. <p>Type: String</p>
Description	<p>Describes this configuration set.</p> <p>Type: String</p>
EnvironmentName	<p>If not <code>null</code>, the name of the environment for this configuration set.</p> <p>Type: String</p>
OptionSettings	<p>A list of the configuration options and their values in this configuration set.</p> <p>Type: ConfigurationOptionSetting (p. 95) list</p>
SolutionStackName	<p>The name of the solution stack this configuration set uses.</p> <p>Type: String</p>
TemplateName	<p>If not <code>null</code>, the name of the configuration template for this configuration set.</p> <p>Type: String</p>

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
InvalidParameterCombination	400	Parameters that must not be used together were used together.
InvalidParameterValue	400	A bad or out-of-range value was supplied for the input parameter.
TooManyConfigurationTemplates	400	The caller has exceeded the limit on the number of configuration templates associated with their account.
ValidationError	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?ApplicationName=SampleApp
&TemplateName=AppTemplate
&SolutionStackName=32bit%20Amazon%20Linux%20running%20Tomcat%206
&Description=ConfigTemplateDescription
&Operation=CreateConfigurationTemplate
&AuthParams
```

Sample Response

```
<CreateConfigurationTemplateResponse
xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <CreateConfigurationTemplateResult>
    <SolutionStackName>32bit Amazon Linux running Tomcat 6</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>
    </OptionSettings>
  </CreateConfigurationTemplateResult>
</CreateConfigurationTemplateResponse>
```

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

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

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

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```
<OptionName>EC2KeyName</OptionName>
<Value/>
<Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>Stickiness Policy</OptionName>
  <Value>>false</Value>
  <Namespace>aws:elb:policies</Namespace>
</member>
<member>
  <OptionName>PARAM3</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>HealthyThreshold</OptionName>
  <Value>3</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>SSLCertificateId</OptionName>
  <Value/>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
</OptionSettings>
<Description>ConfigTemplateDescription</Description>
<ApplicationName>SampleApp</ApplicationName>
<DateCreated>2010-11-17T03:48:19.640Z</DateCreated>
<TemplateName>AppTemplate</TemplateName>
<DateUpdated>2010-11-17T03:48:19.640Z</DateUpdated>
</CreateConfigurationTemplateResult>
<ResponseMetadata>
  <RequestId>846cd905-f1fd-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</CreateConfigurationTemplateResponse>
```

CreateEnvironment

Description

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

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	The name of the application that contains the version to be deployed. If no application is found with this name, <code>CreateEnvironment</code> returns an <code>InvalidParameterValue</code> error. Type: String	Yes
<i>CNAMEPrefix</i>	If specified, the environment attempts to use this value as the prefix for the CNAME. If not specified, the environment uses the environment name. Type: String	No
<i>Description</i>	Describes this environment. Type: String	No
<i>EnvironmentName</i>	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 <code>InvalidParameterValue</code> 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	Yes
<i>OptionSettings.member.N</i>	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. 95) list	No
<i>OptionsToRemove.member.N</i>	A list of custom user-defined configuration options to remove from the configuration set for this new environment. Type: OptionSpecification (p. 107) list	No

AWS Elastic Beanstalk API Reference
Response Elements

Name	Description	Required
<i>SolutionStackName</i>	<p>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.</p> <p>Condition: You must specify either this or a <code>TemplateName</code>, but not both. If you specify both, AWS Elastic Beanstalk returns an <code>InvalidParameterCombination</code> error. If you do not specify either, AWS Elastic Beanstalk returns a <code>MissingRequiredParameter</code> error.</p> <p>Type: String</p>	No
<i>TemplateName</i>	<p>The name of the configuration template to use in deployment. If no configuration template is found with this name, AWS Elastic Beanstalk returns an <code>InvalidParameterValue</code> error.</p> <p>Conditional: You must specify either this parameter or a <code>SolutionStackName</code>, but not both. If you specify both, AWS Elastic Beanstalk returns an <code>InvalidParameterCombination</code> error. If you do not specify either, AWS Elastic Beanstalk returns a <code>MissingRequiredParameter</code> error.</p> <p>Type: String</p>	No
<i>VersionLabel</i>	<p>The name of the application version to deploy.</p> <p>If the specified application has no associated application versions, AWS Elastic Beanstalk <code>UpdateEnvironment</code> returns an <code>InvalidParameterValue</code> error.</p> <p>Default: If not specified, AWS Elastic Beanstalk attempts to launch the most recently created application version.</p> <p>Type: String</p>	No

Response Elements

The following elements come wrapped in a `CreateEnvironmentResult` structure.

Name	Description
<code>ApplicationName</code>	The name of the application associated with this environment. Type: String
<code>CNAME</code>	The URL to the CNAME for this environment. Type: String
<code>DateCreated</code>	The creation date for this environment. Type: DateTime

AWS Elastic Beanstalk API Reference
Response Elements

Name	Description
DateUpdated	The last modified date for this environment. Type: DateTime
Description	Describes this environment. Type: String
EndpointURL	The URL to the LoadBalancer for this environment. 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: <ul style="list-style-type: none"> • 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 <code>UpdateEnvironment</code> or <code>RestartEnvironment</code> request. <p>Default: Grey Type: String</p>
SolutionStackName	The name of the <code>SolutionStack</code> deployed with this environment. Type: String
Status	The current operational status of the environment: <ul style="list-style-type: none"> • 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. <p>Type: String</p>
TemplateName	The name of the configuration template used to originally launch this environment. Type: String
VersionLabel	The application version deployed in this environment. Type: String

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
InvalidParameterValue	400	A bad or out-of-range value was supplied for the input parameter.
MissingRequiredParameter	400	An input parameter that is mandatory for processing the request was not supplied.
TooManyEnvironments	400	The caller has exceeded the limit of allowed environments associated with the account.
ValidationError	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.amazonaws.com/?ApplicationName=SampleApp
&EnvironmentName=SampleApp
&SolutionStackName=32bit%20Amazon%20Linux%20running%20Tomcat%206
&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 6</SolutionStackName>

    <Description>EnvDescrip</Description>
    <EnvironmentName>SampleApp</EnvironmentName>
    <DateCreated>2010-11-17T03:59:33.520Z</DateCreated>
  </CreateEnvironmentResult>
  <ResponseMetadata>
    <RequestId>15db925e-f1ff-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</CreateEnvironmentResponse>
```

CreateStorageLocation

Description

Creates the Amazon S3 storage location for the account.

This location is used to store user log files.

Response Elements

The following elements come wrapped in a `CreateStorageLocationResult` structure.

Name	Description
S3Bucket	The name of the Amazon S3 bucket created. Type: String

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
S3SubscriptionRequired	400	The caller does not have a subscription to Amazon S3.
TooManyBuckets	400	The web service attempted to create a bucket in an Amazon S3 account that already has 100 buckets.

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

Description

Deletes the specified application along with all associated versions and configurations.



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 Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	The name of the application to delete. Type: String	Yes

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
InvalidParameterValue	400	A bad or out-of-range value was supplied for the input parameter.
ValidationError	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

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

Sample Response

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

DeleteApplicationVersion

Description

Deletes the specified version from the specified application.



Note

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

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	The name of the application to delete releases from. Type: String	Yes
<i>DeleteSourceBundle</i>	Indicates whether to delete the associated source bundle from Amazon S3: <ul style="list-style-type: none"> <code>true</code>: An attempt is made to delete the associated Amazon S3 source bundle specified at time of creation. <code>false</code>: No action is taken on the Amazon S3 source bundle specified at time of creation. Valid Values: <code>true</code> <code>false</code> Type: Boolean	No
<i>VersionLabel</i>	The label of the version to delete. Type: String	Yes

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
<code>InvalidParameterValue</code>	400	A bad or out-of-range value was supplied for the input parameter.
<code>SourceBundleDeletion</code>	400	Unable to delete the Amazon S3 source bundle associated with the application version, although the application version deleted successfully.
<code>ValidationError</code>	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

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

Sample Response

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

DeleteConfigurationTemplate

Description

Deletes the specified configuration template.



Note

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

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	The name of the application to delete the configuration template from. Type: String	Yes
<i>TemplateName</i>	The name of the configuration template to delete. Type: String	Yes

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
<code>InvalidParameterCombination</code>	400	Parameters that must not be used together were used together.
<code>InvalidParameterValue</code>	400	A bad or out-of-range value was supplied for the input parameter.
<code>MissingRequiredParameter</code>	400	An input parameter that is mandatory for processing the request was not supplied.
<code>ValidationError</code>	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

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

Sample Response

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

DeleteEnvironmentConfiguration

Description

Deletes the draft configuration associated with the running environment.

Updating a running environment with any configuration changes creates a draft configuration set. You can get the draft configuration using [DescribeConfigurationSettings \(p. 50\)](#) 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 Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	The name of the application the environment is associated with. Type: String	Yes
<i>EnvironmentName</i>	The name of the environment to delete the draft configuration from. Type: String	Yes

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
<code>InvalidParameterCombination</code>	400	Parameters that must not be used together were used together.
<code>InvalidParameterValue</code>	400	A bad or out-of-range value was supplied for the input parameter.
<code>MissingRequiredParameter</code>	400	An input parameter that is mandatory for processing the request was not supplied.
<code>ValidationError</code>	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

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

Sample Response

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

DescribeApplicationVersions

Description

Returns descriptions for existing application versions.

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	If specified, AWS Elastic Beanstalk restricts the returned descriptions to only include ones that are associated with the specified application. Type: String	No
<i>VersionLabels.member.N</i>	If specified, restricts the returned descriptions to only include ones that have the specified version labels. Type: String list	No

Response Elements

The following elements come wrapped in a `DescribeApplicationVersionsResult` structure.

Name	Description
<code>ApplicationVersions</code>	A list of ApplicationVersionDescription (p. 92) . Type: ApplicationVersionDescription (p. 92) list

Examples

Sample Request

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

Sample Response

```
<DescribeApplicationVersionsResponse
xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <DescribeApplicationVersionsResult>
    <ApplicationVersions>
      <member>
        <SourceBundle>
          <S3Bucket>amazonaws.com</S3Bucket>
          <S3Key>sample.war</S3Key>
        </SourceBundle>
        <VersionLabel>Version1</VersionLabel>
      </member>
    </ApplicationVersions>
  </DescribeApplicationVersionsResult>
</DescribeApplicationVersionsResponse>
```

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```
<Description>description</Description>
<ApplicationName>SampleApp</ApplicationName>
<DateCreated>2010-11-17T03:21:59.161Z</DateCreated>
<DateUpdated>2010-11-17T03:21:59.161Z</DateUpdated>
</member>
</ApplicationVersions>
</DescribeApplicationVersionsResult>
<ResponseMetadata>
  <RequestId>773cd80a-f26c-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>
</DescribeApplicationVersionsResponse>
```

DescribeApplications

Description

Returns the descriptions of existing applications.

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationNames.member.N</i>	If specified, AWS Elastic Beanstalk restricts the returned descriptions to only include those with the specified names. Type: String list	No

Response Elements

The following elements come wrapped in a `DescribeApplicationsResult` structure.

Name	Description
Applications	This parameter contains a list of ApplicationDescription (p. 91) . Type: ApplicationDescription (p. 91) list

Examples

Sample Request

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

Sample Response

```
<DescribeApplicationsResponse
xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <DescribeApplicationsResult>
    <Applications>
      <member>
        <Versions/>
        <Description>Sample Description</Description>
        <ApplicationName>SampleApplication</ApplicationName>
        <DateCreated>2010-11-16T20:20:51.974Z</DateCreated>
        <DateUpdated>2010-11-16T20:20:51.974Z</DateUpdated>
        <ConfigurationTemplates>
          <member>Default</member>
        </ConfigurationTemplates>
      </member>
    </Applications>
  </DescribeApplicationsResult>
</DescribeApplicationsResponse>
```

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

DescribeConfigurationOptions

Description

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

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	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	No
<i>EnvironmentName</i>	The name of the environment whose configuration options you want to describe. Type: String	No
<i>Options.member.N</i>	If specified, restricts the descriptions to only the specified options. Type: OptionSpecification (p. 107) list	No
<i>SolutionStackName</i>	The name of the solution stack whose configuration options you want to describe. Type: String	No
<i>TemplateName</i>	The name of the configuration template whose configuration options you want to describe. Type: String	No

Response Elements

The following elements come wrapped in a `DescribeConfigurationOptionsResult` structure.

Name	Description
Options	A list of ConfigurationOptionDescription (p. 93) . Type: ConfigurationOptionDescription (p. 93) list
SolutionStackName	The name of the solution stack these configuration options belong to. Type: String

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
InvalidParameterCombination	400	Parameters that must not be used together were used together.
InvalidParameterValue	400	A bad or out-of-range value was supplied for the input parameter.
MissingRequiredParameter	400	An input parameter that is mandatory for processing the request was not supplied.

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 6</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>
    </Options>
  </DescribeConfigurationOptionsResult>
</DescribeConfigurationOptionsResponse>
```

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

```
<Name>LoadBalancerHTTPSPort</Name>
<ValueOptions>
  <member>OFF</member>
  <member>443</member>
  <member>8443</member>
  <member>5443</member>
</ValueOptions>
<ValueType>Scalar</ValueType>
<DefaultValue>OFF</DefaultValue>
<Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>0</MinValue>
  <Name>Stickiness Cookie Expiration</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>0</DefaultValue>
  <MaxValue>1000000</MaxValue>
  <Namespace>aws:elb:policies</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>PARAM5</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <Name>MeasureName</Name>
  <ValueOptions>
    <member>CPUUtilization</member>
    <member>NetworkIn</member>
    <member>NetworkOut</member>
    <member>DiskWriteOps</member>
    <member>DiskReadBytes</member>
    <member>DiskReadOps</member>
    <member>DiskWriteBytes</member>
    <member>Latency</member>
    <member>RequestCount</member>
    <member>HealthyHostCount</member>
    <member>UnhealthyHostCount</member>
  </ValueOptions>
  <ValueType>Scalar</ValueType>
  <DefaultValue>NetworkOut</DefaultValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>5</MinValue>
  <Name>Interval</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>30</DefaultValue>
```

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

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

```
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>PARAM2</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <Name>LoadBalancerHTTPPort</Name>
  <ValueOptions>
    <member>OFF</member>
    <member>80</member>
    <member>8080</member>
  </ValueOptions>
  <ValueType>Scalar</ValueType>
  <DefaultValue>80</DefaultValue>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>2</MinValue>
  <Name>Timeout</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>5</DefaultValue>
  <MaxValue>60</MaxValue>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>1</MinValue>
  <Name>BreachDuration</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>2</DefaultValue>
  <MaxValue>600</MaxValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartEnvironment</ChangeSeverity>
  <Name>MonitoringInterval</Name>
  <ValueOptions>
    <member>1 minute</member>
    <member>5 minute</member>
  </ValueOptions>
  <ValueType>Scalar</ValueType>
  <DefaultValue>5 minute</DefaultValue>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <UserDefined>>false</UserDefined>
  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
```

AWS Elastic Beanstalk API Reference Examples

```
<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>
```

AWS Elastic Beanstalk API Reference Examples

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

DescribeConfigurationSettings

Description

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

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

Related Topics

- [DeleteEnvironmentConfiguration \(p. 33\)](#)

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	The application for the environment or configuration template. Type: String	Yes
<i>EnvironmentName</i>	The name of the environment to describe. Type: String	No
<i>TemplateName</i>	The name of the configuration template to describe. Type: String	No

Response Elements

The following elements come wrapped in a `DescribeConfigurationSettingsResult` structure.

Name	Description
<code>ConfigurationSettings</code>	A list of ConfigurationSettingsDescription (p. 95) . Type: ConfigurationSettingsDescription (p. 95) list

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
<code>InvalidParameterCombination</code>	400	Parameters that must not be used together were used together.
<code>InvalidParameterValue</code>	400	A bad or out-of-range value was supplied for the input parameter.
<code>MissingRequiredParameter</code>	400	An input parameter that is mandatory for processing the request was not supplied.

Examples

Sample Request

```
https://elasticbeanstalk.us-east-1.amazon.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
6</SolutionStackName>
        <OptionSettings>
          <member>
            <SolutionStackName>32bit Amazon Linux running Tomcat
6</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>
            </OptionSettings>
          </member>
        </ConfigurationSettings>
      </DescribeConfigurationSettingsResult>
    </DescribeConfigurationSettingsResponse>
```

AWS Elastic Beanstalk API Reference Examples

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

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

AWS Elastic Beanstalk API Reference Examples

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

AWS Elastic Beanstalk API Reference Examples

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

DescribeEnvironmentResources

Description

Returns AWS resources for this environment.

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>EnvironmentId</i>	The ID of the environment to retrieve AWS resource usage data. Type: String	No
<i>EnvironmentName</i>	The name of the environment to retrieve AWS resource usage data. Type: String	No

Response Elements

The following elements come wrapped in a `DescribeEnvironmentResourcesResult` structure.

Name	Description
<code>EnvironmentResources</code>	A list of EnvironmentResourceDescription (p. 104) . Type: EnvironmentResourceDescription (p. 104)

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
<code>InvalidParameterValue</code>	400	A bad or out-of-range value was supplied for the input parameter.
<code>ValidationError</code>	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

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

DescribeEnvironments

Description

Returns descriptions for existing environments.

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	If specified, AWS Elastic Beanstalk restricts the returned descriptions to include only those that are associated with this application. Type: String	No
<i>EnvironmentIds.member.N</i>	If specified, AWS Elastic Beanstalk restricts the returned descriptions to include only those that have the specified IDs. Type: String list	No
<i>EnvironmentNames.member.N</i>	If specified, AWS Elastic Beanstalk restricts the returned descriptions to include only those that have the specified names. Type: String list	No
<i>IncludeDeleted</i>	Indicates whether to include deleted environments: <i>true</i> : Environments that have been deleted after <i>IncludedDeletedBackTo</i> are displayed. <i>false</i> : Do not include deleted environments. Type: Boolean	No
<i>IncludedDeletedBackTo</i>	If specified when <i>IncludeDeleted</i> is set to <i>true</i> , then environments deleted after this date are displayed. Type: DateTime	No
<i>VersionLabel</i>	If specified, AWS Elastic Beanstalk restricts the returned descriptions to include only those that are associated with this application version. Type: String	No

Response Elements

The following elements come wrapped in a `DescribeEnvironmentsResult` structure.

Name	Description
Environments	Returns an EnvironmentDescription (p. 102) list. Type: EnvironmentDescription (p. 102) list

Examples

Sample Request

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

Sample Response

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

DescribeEvents

Description

Returns list of event descriptions matching criteria.



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 Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	If specified, AWS Elastic Beanstalk restricts the returned descriptions to include only those associated with this application. Type: String	No
<i>EndTime</i>	If specified, AWS Elastic Beanstalk restricts the returned descriptions to those that occur up to, but not including, the <code>EndTime</code> . Type: DateTime	No
<i>EnvironmentId</i>	If specified, AWS Elastic Beanstalk restricts the returned descriptions to those associated with this environment. Type: String	No
<i>EnvironmentName</i>	If specified, AWS Elastic Beanstalk restricts the returned descriptions to those associated with this environment. Type: String	No
<i>NextToken</i>	Pagination token. If specified, the events return the next batch of results. Type: String	No
<i>RequestId</i>	If specified, AWS Elastic Beanstalk restricts the described events to include only those associated with this request ID. Type: String	No
<i>Severity</i>	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	No
<i>StartTime</i>	If specified, AWS Elastic Beanstalk restricts the returned descriptions to those that occur on or after this time. Type: DateTime	No
<i>TemplateName</i>	If specified, AWS Elastic Beanstalk restricts the returned descriptions to those that are associated with this environment configuration. Type: String	No

Name	Description	Required
<i>VersionLabel</i>	If specified, AWS Elastic Beanstalk restricts the returned descriptions to those associated with this application version. Type: String	No

Response Elements

The following elements come wrapped in a `DescribeEventsResult` structure.

Name	Description
Events	A list of EventDescription (p. 105). Type: EventDescription (p. 105) list
NextToken	If returned, this indicates that there are more results to obtain. Use this token in the next DescribeEvents (p. 60) call to get the next batch of events. Type: String

Examples

Sample Request

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

Sample Response

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

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

ListAvailableSolutionStacks

Description

Returns a list of the available solution stack names.

Response Elements

The following elements come wrapped in a `ListAvailableSolutionStacksResult` structure.

Name	Description
SolutionStacks	A list of available solution stacks. Type: String list

Examples

Sample Request

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

Sample Response

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

RebuildEnvironment

Description

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

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>EnvironmentId</i>	The ID of the environment to rebuild. Type: String	No
<i>EnvironmentName</i>	The name of the environment to rebuild. Type: String	No

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
InvalidParameterValue	400	A bad or out-of-range value was supplied for the input parameter.
ValidationError	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

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

Sample Response

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

RequestEnvironmentInfo

Description

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

Setting the `InfoType` to `tail` compiles the last lines from the application server log files of every Amazon EC2 instance in your environment. Use [RetrieveEnvironmentInfo \(p. 68\)](#) to access the compiled information.

Related Topics

- [RetrieveEnvironmentInfo \(p. 68\)](#)

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>EnvironmentId</i>	The ID of the environment of the requested data. If no such environment is found, <code>RequestEnvironmentInfo</code> returns an <code>InvalidParameterValue</code> error. Type: String	No
<i>EnvironmentName</i>	The name of the environment of the requested data. If no such environment is found, <code>RequestEnvironmentInfo</code> returns an <code>InvalidParameterValue</code> error. Type: String	No
<i>InfoType</i>	The type of information to request. Type: String Valid Values: <code>tail</code>	Yes

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
<code>InvalidParameterValue</code>	400	A bad or out-of-range value was supplied for the input parameter.
<code>ValidationError</code>	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

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

Sample Response

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

RestartAppServer

Description

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

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>EnvironmentId</i>	The ID of the environment to restart the server for. Type: String	No
<i>EnvironmentName</i>	The name of the environment to restart the server for. Type: String	No

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
InvalidParameterValue	400	A bad or out-of-range value was supplied for the input parameter.
ValidationError	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

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

Sample Response

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

RetrieveEnvironmentInfo

Description

Retrieves the compiled information from a [RequestEnvironmentInfo \(p. 65\)](#) request.

Related Topics

- [RequestEnvironmentInfo \(p. 65\)](#)

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>EnvironmentId</i>	The ID of the data's environment. If no such environment is found, returns an <code>InvalidParameterValue</code> error. Type: String	No
<i>EnvironmentName</i>	The name of the data's environment. If no such environment is found, returns an <code>InvalidParameterValue</code> error. Type: String	No
<i>InfoType</i>	The type of information to retrieve. Type: String Valid Values: <code>tail</code>	Yes

Response Elements

The following elements come wrapped in a `RetrieveEnvironmentInfoResult` structure.

Name	Description
<code>EnvironmentInfo</code>	The EnvironmentInfoDescription (p. 104) of the environment. Type: EnvironmentInfoDescription (p. 104) list

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
<code>InvalidParameterValue</code>	400	A bad or out-of-range value was supplied for the input parameter.
<code>ValidationError</code>	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

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

TerminateEnvironment

Description

Terminates the specified environment.

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>EnvironmentId</i>	The ID of the environment to terminate. Type: String	No
<i>EnvironmentName</i>	The name of the environment to terminate. Type: String	No
<i>TerminateResources</i>	<p>Indicates whether the associated AWS resources should shut down when the environment is terminated:</p> <ul style="list-style-type: none"> <code>true</code>: The specified environment as well as the associated AWS resources, such as Auto Scaling group and LoadBalancer, are terminated. <code>false</code>: AWS Elastic Beanstalk resource management is removed from the environment, but the AWS resources continue to operate. <p>For more information, see the AWS Elastic Beanstalk User Guide.</p> <p>Default: <code>true</code></p> <p>Valid Values: <code>true false</code></p> <p>Type: Boolean</p>	No

Response Elements

The following elements come wrapped in a `TerminateEnvironmentResult` structure.

Name	Description
<code>ApplicationName</code>	The name of the application associated with this environment. Type: String
<code>CNAME</code>	The URL to the CNAME for this environment. Type: String
<code>DateCreated</code>	The creation date for this environment. Type: DateTime
<code>DateUpdated</code>	The last modified date for this environment. Type: DateTime

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Name	Description
Description	Describes this environment. Type: String
EndpointURL	The URL to the LoadBalancer for this environment. Type: String
EnvironmentId	The ID of this environment. Type: String
EnvironmentName	The name of this environment. Type: String
Health	<p>Describes the health status of the environment. AWS Elastic Beanstalk indicates the failure levels for a running environment:</p> <ul style="list-style-type: none"> • 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 <code>UpdateEnvironment</code> or <code>RestartEnvironment</code> request. <p>Default: <code>Grey</code> Type: String</p>
SolutionStackName	The name of the <code>SolutionStack</code> deployed with this environment. Type: String
Status	<p>The current operational status of the environment:</p> <ul style="list-style-type: none"> • 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. <p>Type: String</p>
TemplateName	The name of the configuration template used to originally launch this environment. Type: String
VersionLabel	The application version deployed in this environment. Type: String

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
InvalidParameterValue	400	A bad or out-of-range value was supplied for the input parameter.
ValidationError	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

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

Sample Response

```
<TerminateEnvironmentResponse
xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <TerminateEnvironmentResult>
    <VersionLabel>Version1</VersionLabel>
    <Status>Terminating</Status>
    <ApplicationName>SampleApp</ApplicationName>
    <EndpointURL>elasticbeanstalk-SampleApp-1394386994.us-east-
1.elb.amazonaws.com</EndpointURL>
    <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 6</SolutionStackName>

    <Description>EnvDescrip</Description>
    <EnvironmentName>SampleApp</EnvironmentName>
    <DateCreated>2010-11-17T03:59:33.520Z</DateCreated>
  </TerminateEnvironmentResult>
  <ResponseMetadata>
    <RequestId>9b71af21-f26d-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</TerminateEnvironmentResponse>
```

UpdateApplication

Description

Updates the specified application to have the specified properties.



Note

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

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	The name of the application to update. If no such application is found, <code>UpdateApplication</code> returns an <code>InvalidParameterValue</code> error. Type: String	Yes
<i>Description</i>	A new description for the application. Default: If not specified, AWS Elastic Beanstalk does not update the description. Type: String	No

Response Elements

The following elements come wrapped in a `UpdateApplicationResult` structure.

Name	Description
<code>Application</code>	The ApplicationDescription (p. 91) of the application. Type: ApplicationDescription (p. 91)

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
<code>InvalidParameterValue</code>	400	A bad or out-of-range value was supplied for the input parameter.
<code>ValidationError</code>	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

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

Sample Response

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

UpdateApplicationVersion

Description

Updates the specified application version to have the specified properties.



Note

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

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	The name of the application associated with this version. If no application is found with this name, <code>UpdateApplication</code> returns an <code>InvalidParameterValue</code> error. Type: String	Yes
<i>Description</i>	A new description for this release. Type: String	No
<i>VersionLabel</i>	The name of the version to update. If no application version is found with this label, <code>UpdateApplication</code> returns an <code>InvalidParameterValue</code> error. Type: String	Yes

Response Elements

The following elements come wrapped in a `UpdateApplicationVersionResult` structure.

Name	Description
<code>ApplicationVersion</code>	The ApplicationVersionDescription (p. 92) of the application version. Type: ApplicationVersionDescription (p. 92)

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
<code>InvalidParameterValue</code>	400	A bad or out-of-range value was supplied for the input parameter.
<code>ValidationError</code>	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

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

Sample Response

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

UpdateConfigurationTemplate

Description

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



Note

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

Related Topics

- [DescribeConfigurationOptions](#) (p. 39)

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters](#) (p. 2).

Name	Description	Required
<i>ApplicationName</i>	The name of the application associated with the configuration template to update. If no application is found with this name, <code>UpdateConfigurationTemplate</code> returns an <code>InvalidParameterValue</code> error. Type: String	Yes
<i>Description</i>	A new description for the configuration. Type: String	No
<i>OptionSettings.member.N</i>	A list of configuration option settings to update with the new specified option value. Type: ConfigurationOptionSetting (p. 95) list	No
<i>OptionsToRemove.member.N</i>	A list of configuration options to remove from the configuration set. Constraint: You can remove only <code>UserDefined</code> configuration options. Type: OptionSpecification (p. 107) list	No
<i>TemplateName</i>	The name of the configuration template to update. If no configuration template is found with this name, <code>UpdateConfigurationTemplate</code> returns an <code>InvalidParameterValue</code> error. Type: String	Yes

Response Elements

The following elements come wrapped in a `UpdateConfigurationTemplateResult` structure.

Name	Description
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 <code>DeploymentStatus</code> parameter indicates the deployment status of this configuration set: <ul style="list-style-type: none"> • <code>null</code>: This configuration is not associated with a running environment. • <code>pending</code>: This is a draft configuration that is not deployed to the associated environment but is in the process of deploying. • <code>deployed</code>: This is the configuration that is currently deployed to the associated running environment. • <code>failed</code>: This is a draft configuration that failed to successfully deploy. Type: String
Description	Describes this configuration set. Type: String
EnvironmentName	If not <code>null</code> , 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. 95) list
SolutionStackName	The name of the solution stack this configuration set uses. Type: String
TemplateName	If not <code>null</code> , the name of the configuration template for this configuration set. Type: String

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
InvalidParameterCombination	400	Parameters that must not be used together were used together.
InvalidParameterValue	400	A bad or out-of-range value was supplied for the input parameter.
MissingRequiredParameter	400	An input parameter that is mandatory for processing the request was not supplied.

Error	Code	Description
ValidationError	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

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 6</SolutionStackName>

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

```
<Value>NetworkOut</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Period</OptionName>
  <Value>60</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Xmx</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>

</member>
<member>
  <OptionName>PARAM3</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>EC2KeyName</OptionName>
  <Value/>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>MinSize</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>JVM Options</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>

</member>
<member>
  <OptionName>XX:MaxPermSize</OptionName>
  <Value>64m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>

</member>
<member>
  <OptionName>AWS_SECRET_KEY</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
<member>
  <OptionName>UpperBreachScaleIncrement</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Notification Topic ARN</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>InstanceType</OptionName>
```

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

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

AWS Elastic Beanstalk API Reference Examples

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

UpdateEnvironment

Description

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

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

When updating the configuration settings to a new template or individual settings, a draft configuration is created and [DescribeConfigurationSettings](#) (p. 50) 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 Query Parameters](#) (p. 2).

Name	Description	Required
<i>Description</i>	If this parameter is specified, AWS Elastic Beanstalk updates the description of this environment. Type: String	No
<i>EnvironmentId</i>	The ID of the environment to update. If no environment with this ID exists, AWS Elastic Beanstalk returns an <code>InvalidParameterValue</code> error. Type: String	No
<i>EnvironmentName</i>	The name of the environment to update. If no environment with this name exists, AWS Elastic Beanstalk returns an <code>InvalidParameterValue</code> error. Type: String	No
<i>OptionSettings.member.N</i>	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. 95) list	No
<i>OptionsToRemove.member.N</i>	A list of custom user-defined configuration options to remove from the configuration set for this environment. Type: OptionSpecification (p. 107) list	No
<i>TemplateName</i>	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 <code>InvalidParameterValue</code> error. Type: String	No

Name	Description	Required
<i>VersionLabel</i>	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 <i>InvalidParameterValue</i> error. Type: String	No

Response Elements

The following elements come wrapped in a `UpdateEnvironmentResult` structure.

Name	Description
<code>ApplicationName</code>	The name of the application associated with this environment. Type: String
<code>CNAME</code>	The URL to the CNAME for this environment. Type: String
<code>DateCreated</code>	The creation date for this environment. Type: DateTime
<code>DateUpdated</code>	The last modified date for this environment. Type: DateTime
<code>Description</code>	Describes this environment. Type: String
<code>EndpointURL</code>	The URL to the LoadBalancer for this environment. Type: String
<code>EnvironmentId</code>	The ID of this environment. Type: String
<code>EnvironmentName</code>	The name of this environment. Type: String
<code>Health</code>	Describes the health status of the environment. AWS Elastic Beanstalk indicates the failure levels for a running environment: <ul style="list-style-type: none"> • 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 <code>UpdateEnvironment</code> or <code>RestartEnvironment</code> request. <p>Default: Grey Type: String</p>

Name	Description
<code>SolutionStackName</code>	The name of the <code>SolutionStack</code> deployed with this environment. Type: String
<code>Status</code>	The current operational status of the environment: <ul style="list-style-type: none"> • <code>Launching</code>: Environment is in the process of initial deployment. • <code>Updating</code>: Environment is in the process of updating its configuration settings or application version. • <code>Ready</code>: Environment is available to have an action performed on it, such as update or terminate. • <code>Terminating</code>: Environment is in the shut-down process. • <code>Terminated</code>: Environment is not running. Type: String
<code>TemplateName</code>	The name of the configuration template used to originally launch this environment. Type: String
<code>VersionLabel</code>	The application version deployed in this environment. Type: String

Errors

For information about the common errors that all actions use, see [Common Errors \(p. 4\)](#).

Error	Code	Description
<code>InvalidParameterCombination</code>	400	Parameters that must not be used together were used together.
<code>InvalidParameterValue</code>	400	A bad or out-of-range value was supplied for the input parameter.
<code>ValidationError</code>	400	An input parameter failed to satisfy a constraint. For example, an input string was too long.

Examples

Sample Request

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

Sample Response

```
<UpdateEnvironmentResponse
xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <UpdateEnvironmentResult>
    <VersionLabel>New Version</VersionLabel>
    <Status>Deploying</Status>
    <ApplicationName>SampleApp</ApplicationName>
    <EndpointURL>elasticbeanstalk-SampleAppVersion-246126201.us-east-
1.elb.amazonaws.com</EndpointURL>
    <CNAME>SampleApp.elasticbeanstalk.amazonaws.com</CNAME>
    <Health>Grey</Health>
    <EnvironmentId>e-hc8mvnayrx</EnvironmentId>
    <DateUpdated>2010-11-17T21:05:55.251Z</DateUpdated>
    <SolutionStackName>32bit Amazon Linux running Tomcat 6</SolutionStackName>

    <Description>SampleAppDescription</Description>
    <EnvironmentName>SampleAppVersion</EnvironmentName>
    <DateCreated>2010-11-17T20:17:42.339Z</DateCreated>
  </UpdateEnvironmentResult>
  <ResponseMetadata>
    <RequestId>7705f0bc-f28e-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</UpdateEnvironmentResponse>
```

ValidateConfigurationSettings

Description

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

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

Request Parameters

For information about the common parameters that all actions use, see [Common Query Parameters \(p. 2\)](#).

Name	Description	Required
<i>ApplicationName</i>	The name of the application that the configuration template or environment belongs to. Type: String	Yes
<i>EnvironmentName</i>	The name of the environment to validate the settings against. Condition: You cannot specify both this and a configuration template name. Type: String	No
<i>OptionSettings.member.N</i>	A list of the options and desired values to evaluate. Type: ConfigurationOptionSetting (p. 95) list	Yes
<i>TemplateName</i>	The name of the configuration template to validate the settings against. Condition: You cannot specify both this and an environment name. Type: String	No

Response Elements

The following elements come wrapped in a `ValidateConfigurationSettingsResult` structure.

Name	Description
Messages	A list of ValidationMessage (p. 114) . Type: ValidationMessage (p. 114) list

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. 91)
- [ApplicationVersionDescription](#) (p. 92)
- [AutoScalingGroup](#) (p. 92)
- [CheckDNSAvailabilityResult](#) (p. 93)
- [ConfigurationOptionDescription](#) (p. 93)
- [ConfigurationOptionSetting](#) (p. 95)
- [ConfigurationSettingsDescription](#) (p. 95)
- [CreateApplicationResult](#) (p. 96)
- [CreateApplicationVersionResult](#) (p. 97)
- [CreateConfigurationTemplateResult](#) (p. 97)
- [CreateEnvironmentResult](#) (p. 98)
- [CreateStorageLocationResult](#) (p. 99)
- [DescribeApplicationVersionsResult](#) (p. 100)
- [DescribeApplicationsResult](#) (p. 100)
- [DescribeConfigurationOptionsResult](#) (p. 100)
- [DescribeConfigurationSettingsResult](#) (p. 101)
- [DescribeEnvironmentResourcesResult](#) (p. 101)
- [DescribeEnvironmentsResult](#) (p. 101)
- [DescribeEventsResult](#) (p. 102)
- [EnvironmentDescription](#) (p. 102)

- [EnvironmentInfoDescription](#) (p. 104)
- [EnvironmentResourceDescription](#) (p. 104)
- [EventDescription](#) (p. 105)
- [Instance](#) (p. 105)
- [LaunchConfiguration](#) (p. 106)
- [ListAvailableSolutionStacksResult](#) (p. 106)
- [LoadBalancer](#) (p. 106)
- [OptionRestrictionRegex](#) (p. 107)
- [OptionSpecification](#) (p. 107)
- [RetrieveEnvironmentInfoResult](#) (p. 107)
- [S3Location](#) (p. 108)
- [SourceConfiguration](#) (p. 108)
- [TerminateEnvironmentResult](#) (p. 108)
- [Trigger](#) (p. 110)
- [UpdateApplicationResult](#) (p. 110)
- [UpdateApplicationVersionResult](#) (p. 111)
- [UpdateConfigurationTemplateResult](#) (p. 111)
- [UpdateEnvironmentResult](#) (p. 112)
- [ValidateConfigurationSettingsResult](#) (p. 114)
- [ValidationMessage](#) (p. 114)

ApplicationDescription

Description

Describes the properties of an application.

Contents

Name	Description
ApplicationName	The name of the application. Type: String
ConfigurationTemplates	The names of the configuration templates associated with this application. Type: String list
DateCreated	The date when the application was created. Type: DateTime
DateUpdated	The date when the application was last modified. Type: DateTime

Name	Description
Description	User-defined description of the application. Type: String
Versions	The names of the versions for this application. Type: String list

ApplicationVersionDescription

Description

Describes the properties of an application version.

Contents

Name	Description
ApplicationName	The name of the application associated with this release. Type: String
DateCreated	The creation date of the application version. Type: DateTime
DateUpdated	The last modified date of the application version. Type: DateTime
Description	The description of this application version. Type: String
SourceBundle	The location where the source bundle is located for this version. Type: S3Location (p. 108)
VersionLabel	A label uniquely identifying the version for the associated application. Type: String

AutoScalingGroup

Description

Describes an Auto Scaling launch configuration.

Contents

Name	Description
Name	The name of the <code>AutoScalingGroup</code> . Type: String

CheckDNSAvailabilityResult

Description

Indicates if the specified CNAME is available.

Contents

Name	Description
Available	Indicates if the specified CNAME is available: <ul style="list-style-type: none">• <code>true</code> : The CNAME is available.• <code>false</code> : The CNAME is not available. Type: Boolean
FullyQualifiedCNAME	The fully qualified CNAME to reserve when CreateEnvironment (p. 23) is called with the provided prefix. Type: String

ConfigurationOptionDescription

Description

Describes the possible values for a configuration option.

Contents

Name	Description
ChangeSeverity	An indication of which action is required if the value for this configuration option changes: <ul style="list-style-type: none">• <code>NoInterruption</code> : There is no interruption to the environment or application availability.• <code>RestartEnvironment</code> : The environment is entirely restarted, all AWS resources are deleted and recreated, and the environment is unavailable during the process.• <code>RestartApplicationServer</code> : 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
DefaultValue	The default value for this configuration option. Type: String

AWS Elastic Beanstalk API Reference
Contents

Name	Description
MaxLength	If specified, the configuration option must be a string value no longer than this value. Type: Integer
MaxValue	If specified, the configuration option must be a numeric value less than this value. Type: Integer
MinValue	If specified, the configuration option must be a numeric value greater than this value. Type: Integer
Name	The name of the configuration option. Type: String
Namespace	A unique namespace identifying the option's associated AWS resource. Type: String
Regex	If specified, the configuration option must be a string value that satisfies this regular expression. Type: OptionRestrictionRegex (p. 107)
UserDefined	An indication of whether the user defined this configuration option: <ul style="list-style-type: none">• <code>true</code> : This configuration option was defined by the user. It is a valid choice for specifying if this as an <code>Option to Remove</code> when updating configuration settings.• <code>false</code> : This configuration was not defined by the user. <p>Constraint: You can remove only <code>UserDefined</code> options from a configuration.</p> <p>Valid Values: <code>true</code> <code>false</code></p> <p>Type: Boolean</p>
ValueOptions	If specified, values for the configuration option are selected from this list. Type: String list
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: <ul style="list-style-type: none">• <code>Scalar</code> : Values for this option are a single selection from the possible values, or an unformatted string, or numeric value governed by the <code>MIN/MAX/Regex</code> constraints.• <code>List</code> : Values for this option are multiple selections from the possible values.• <code>Boolean</code> : Values for this option are either <code>true</code> or <code>false</code> . <p>Type: String</p> <p>Valid Values: <code>Scalar</code> <code>List</code></p>

ConfigurationOptionSetting

Description

A specification identifying an individual configuration option along with its current value.

Contents

Name	Description
Namespace	A unique namespace identifying the option's associated AWS resource. Type: String
OptionName	The name of the configuration option. Type: String
Value	The current value for the configuration option. Type: String

ConfigurationSettingsDescription

Description

Describes the settings for a configuration set.

Contents

Name	Description
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

Name	Description
DeploymentStatus	<p>If this configuration set is associated with an environment, the <code>DeploymentStatus</code> parameter indicates the deployment status of this configuration set:</p> <ul style="list-style-type: none"> • <code>null</code>: This configuration is not associated with a running environment. • <code>pending</code>: This is a draft configuration that is not deployed to the associated environment but is in the process of deploying. • <code>deployed</code>: This is the configuration that is currently deployed to the associated running environment. • <code>failed</code>: This is a draft configuration that failed to successfully deploy. <p>Type: String Valid Values: <code>deployed</code> <code>pending</code> <code>failed</code></p>
Description	<p>Describes this configuration set.</p> <p>Type: String</p>
EnvironmentName	<p>If not <code>null</code>, the name of the environment for this configuration set.</p> <p>Type: String</p>
OptionSettings	<p>A list of the configuration options and their values in this configuration set.</p> <p>Type: ConfigurationOptionSetting (p. 95) list</p>
SolutionStackName	<p>The name of the solution stack this configuration set uses.</p> <p>Type: String</p>
TemplateName	<p>If not <code>null</code>, the name of the configuration template for this configuration set.</p> <p>Type: String</p>

CreateApplicationResult

Description

Result message containing a single description of an application.

Contents

Name	Description
Application	<p>The ApplicationDescription (p. 91) of the application.</p> <p>Type: ApplicationDescription (p. 91)</p>

CreateApplicationVersionResult

Description

Result message wrapping a single description of an application version.

Contents

Name	Description
ApplicationVersion	The ApplicationVersionDescription (p. 92) of the application version. Type: ApplicationVersionDescription (p. 92)

CreateConfigurationTemplateResult

Description

Describes the settings for a configuration set.

Contents

Name	Description
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 <code>DeploymentStatus</code> parameter indicates the deployment status of this configuration set: <ul style="list-style-type: none">• <code>null</code>: This configuration is not associated with a running environment.• <code>pending</code>: This is a draft configuration that is not deployed to the associated environment but is in the process of deploying.• <code>deployed</code>: This is the configuration that is currently deployed to the associated running environment.• <code>failed</code>: This is a draft configuration that failed to successfully deploy. Type: String Valid Values: <code>deployed</code> <code>pending</code> <code>failed</code>
Description	Describes this configuration set. Type: String

Name	Description
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. 95) 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

CreateEnvironmentResult

Description

Describes the properties of an environment.

Contents

Name	Description
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	The URL to the LoadBalancer for this environment. Type: String
EnvironmentId	The ID of this environment. Type: String
EnvironmentName	The name of this environment. Type: String

Name	Description
Health	<p>Describes the health status of the environment. AWS Elastic Beanstalk indicates the failure levels for a running environment:</p> <ul style="list-style-type: none"> • 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 <code>UpdateEnvironment</code> or <code>RestartEnvironment</code> request. <p>Default: Grey Type: String Valid Values: Green Yellow Red Grey</p>
SolutionStackName	<p>The name of the <code>SolutionStack</code> deployed with this environment. Type: String</p>
Status	<p>The current operational status of the environment:</p> <ul style="list-style-type: none"> • 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. <p>Type: String Valid Values: Launching Updating Ready Terminating Terminated</p>
TemplateName	<p>The name of the configuration template used to originally launch this environment. Type: String</p>
VersionLabel	<p>The application version deployed in this environment. Type: String</p>

CreateStorageLocationResult

Description

Results of a [CreateStorageLocationResult \(p. 99\)](#) call.

Contents

Name	Description
S3Bucket	The name of the Amazon S3 bucket created. Type: String

DescribeApplicationVersionsResult

Description

Result message wrapping a list of application version descriptions.

Contents

Name	Description
ApplicationVersions	A list of ApplicationVersionDescription (p. 92) . Type: ApplicationVersionDescription (p. 92) list

DescribeApplicationsResult

Description

Result message containing a list of application descriptions.

Contents

Name	Description
Applications	This parameter contains a list of ApplicationDescription (p. 91). Type: ApplicationDescription (p. 91) list

DescribeConfigurationOptionsResult

Description

Describes the settings for a specified configuration set.

Contents

Name	Description
Options	A list of ConfigurationOptionDescription (p. 93). Type: ConfigurationOptionDescription (p. 93) list
SolutionStackName	The name of the solution stack these configuration options belong to. Type: String

DescribeConfigurationSettingsResult

Description

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

Contents

Name	Description
ConfigurationSettings	A list of ConfigurationSettingsDescription (p. 95). Type: ConfigurationSettingsDescription (p. 95) list

DescribeEnvironmentResourcesResult

Description

Result message containing a list of environment resource descriptions.

Contents

Name	Description
EnvironmentResources	A list of EnvironmentResourceDescription (p. 104). Type: EnvironmentResourceDescription (p. 104)

DescribeEnvironmentsResult

Description

Result message containing a list of environment descriptions.

Contents

Name	Description
Environments	Returns an EnvironmentDescription (p. 102) list. Type: EnvironmentDescription (p. 102) list

DescribeEventsResult

Description

Result message wrapping a list of event descriptions.

Contents

Name	Description
Events	A list of EventDescription (p. 105). Type: EventDescription (p. 105) list
NextToken	If returned, this indicates that there are more results to obtain. Use this token in the next DescribeEvents (p. 60) call to get the next batch of events. Type: String

EnvironmentDescription

Description

Describes the properties of an environment.

Contents

Name	Description
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

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Contents**

Name	Description
EndpointURL	The URL to the LoadBalancer for this environment. Type: String
EnvironmentId	The ID of this environment. Type: String
EnvironmentName	The name of this environment. Type: String
Health	<p>Describes the health status of the environment. AWS Elastic Beanstalk indicates the failure levels for a running environment:</p> <ul style="list-style-type: none"> • 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 <code>UpdateEnvironment</code> or <code>RestartEnvironment</code> request. <p>Default: <code>Grey</code> Type: String Valid Values: <code>Green</code> <code>Yellow</code> <code>Red</code> <code>Grey</code></p>
SolutionStackName	The name of the <code>SolutionStack</code> deployed with this environment. Type: String
Status	<p>The current operational status of the environment:</p> <ul style="list-style-type: none"> • 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. <p>Type: String Valid Values: <code>Launching</code> <code>Updating</code> <code>Ready</code> <code>Terminating</code> <code>Terminated</code></p>
TemplateName	The name of the configuration template used to originally launch this environment. Type: String
VersionLabel	The application version deployed in this environment. Type: String

EnvironmentInfoDescription

Description

The information retrieved from the Amazon EC2 instances.

Contents

Name	Description
Ec2InstanceId	The Amazon EC2 Instance ID for this information. Type: String
InfoType	The type of information retrieved. Type: String Valid Values: <code>tail</code>
Message	The retrieved information. Type: String
SampleTimestamp	The time stamp when this information was retrieved. Type: DateTime

EnvironmentResourceDescription

Description

Describes the AWS resources in use by this environment.

Contents

Name	Description
AutoScalingGroups	The <code>AutoScalingGroups</code> used by this environment. Type: AutoScalingGroup (p. 92) list
EnvironmentName	The name of the environment. Type: String
Instances	The Amazon EC2 instances used by this environment. Type: Instance (p. 105) list
LaunchConfigurations	The Auto Scaling launch configurations in use by this environment. Type: LaunchConfiguration (p. 106) list
LoadBalancers	The <code>LoadBalancers</code> in use by this environment. Type: LoadBalancer (p. 106) list
Triggers	The <code>AutoScaling</code> triggers in use by this environment. Type: Trigger (p. 110) list

EventDescription

Description

Describes an event.

Contents

Name	Description
ApplicationName	The application associated with the event. Type: String
EnvironmentName	The name of the environment associated with this event. Type: String
EventDate	The date when the event occurred. Type: DateTime
Message	The event message. Type: String
RequestId	The web service request ID for the activity of this event. Type: String
Severity	The severity level of this event. Type: String Valid Values: TRACE DEBUG INFO WARN ERROR FATAL
TemplateName	The name of the configuration associated with this event. Type: String
VersionLabel	The release label for the application version associated with this event. Type: String

Instance

Description

The description of an Amazon EC2 instance.

Contents

Name	Description
Id	The ID of the Amazon EC2 instance. Type: String

LaunchConfiguration

Description

Describes an Auto Scaling launch configuration.

Contents

Name	Description
Name	The name of the launch configuration. Type: String

ListAvailableSolutionStacksResult

Description

A list of available AWS Elastic Beanstalk solution stacks.

Contents

Name	Description
SolutionStacks	A list of available solution stacks. Type: String list

LoadBalancer

Description

Describes a LoadBalancer.

Contents

Name	Description
Name	The name of the LoadBalancer. Type: String

OptionRestrictionRegex

Description

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

Contents

Name	Description
Label	A unique name representing this regular expression. Type: String
Pattern	The regular expression pattern that a string configuration option value with this restriction must match. Type: String

OptionSpecification

Description

A specification identifying an individual configuration option.

Contents

Name	Description
Namespace	A unique namespace identifying the option's associated AWS resource. Type: String
OptionName	The name of the configuration option. Type: String

RetrieveEnvironmentInfoResult

Description

Result message containing a description of the requested environment info.

Contents

Name	Description
EnvironmentInfo	The EnvironmentInfoDescription (p. 104) of the environment. Type: EnvironmentInfoDescription (p. 104) list

S3Location

Description

A specification of a location in Amazon S3.

Contents

Name	Description
S3Bucket	The Amazon S3 bucket where the data is located. Type: String
S3Key	The Amazon S3 key where the data is located. Type: String

SourceConfiguration

Description

A specification for an environment configuration

Contents

Name	Description
ApplicationName	The name of the application associated with the configuration. Type: String
TemplateName	The name of the configuration template. Type: String

TerminateEnvironmentResult

Description

Describes the properties of an environment.

Contents

Name	Description
ApplicationName	The name of the application associated with this environment. Type: String

AWS Elastic Beanstalk API Reference Contents

Name	Description
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	The URL to the LoadBalancer for this environment. Type: String
EnvironmentId	The ID of this environment. Type: String
EnvironmentName	The name of this environment. Type: String
Health	<p>Describes the health status of the environment. AWS Elastic Beanstalk indicates the failure levels for a running environment:</p> <ul style="list-style-type: none">• 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 <code>UpdateEnvironment</code> or <code>RestartEnvironment</code> request. <p>Default: Grey Type: String Valid Values: Green Yellow Red Grey</p>
SolutionStackName	The name of the SolutionStack deployed with this environment. Type: String

Name	Description
Status	<p>The current operational status of the environment:</p> <ul style="list-style-type: none">• 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. <p>Type: String Valid Values: <code>Launching</code> <code>Updating</code> <code>Ready</code> <code>Terminating</code> <code>Terminated</code></p>
TemplateName	<p>The name of the configuration template used to originally launch this environment.</p> <p>Type: String</p>
VersionLabel	<p>The application version deployed in this environment.</p> <p>Type: String</p>

Trigger

Description

Describes a trigger.

Contents

Name	Description
Name	<p>The name of the trigger.</p> <p>Type: String</p>

UpdateApplicationResult

Description

Result message containing a single description of an application.

Contents

Name	Description
Application	The ApplicationDescription (p. 91) of the application. Type: ApplicationDescription (p. 91)

UpdateApplicationVersionResult

Description

Result message wrapping a single description of an application version.

Contents

Name	Description
ApplicationVersion	The ApplicationVersionDescription (p. 92) of the application version. Type: ApplicationVersionDescription (p. 92)

UpdateConfigurationTemplateResult

Description

Describes the settings for a configuration set.

Contents

Name	Description
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

Name	Description
DeploymentStatus	<p>If this configuration set is associated with an environment, the <code>DeploymentStatus</code> parameter indicates the deployment status of this configuration set:</p> <ul style="list-style-type: none"> • <code>null</code>: This configuration is not associated with a running environment. • <code>pending</code>: This is a draft configuration that is not deployed to the associated environment but is in the process of deploying. • <code>deployed</code>: This is the configuration that is currently deployed to the associated running environment. • <code>failed</code>: This is a draft configuration that failed to successfully deploy. <p>Type: String Valid Values: <code>deployed</code> <code>pending</code> <code>failed</code></p>
Description	<p>Describes this configuration set.</p> <p>Type: String</p>
EnvironmentName	<p>If not <code>null</code>, the name of the environment for this configuration set.</p> <p>Type: String</p>
OptionSettings	<p>A list of the configuration options and their values in this configuration set.</p> <p>Type: ConfigurationOptionSetting (p. 95) list</p>
SolutionStackName	<p>The name of the solution stack this configuration set uses.</p> <p>Type: String</p>
TemplateName	<p>If not <code>null</code>, the name of the configuration template for this configuration set.</p> <p>Type: String</p>

UpdateEnvironmentResult

Description

Describes the properties of an environment.

Contents

Name	Description
ApplicationName	<p>The name of the application associated with this environment.</p> <p>Type: String</p>
CNAME	<p>The URL to the CNAME for this environment.</p> <p>Type: String</p>
DateCreated	<p>The creation date for this environment.</p> <p>Type: DateTime</p>

**AWS Elastic Beanstalk API Reference
Contents**

Name	Description
DateUpdated	The last modified date for this environment. Type: DateTime
Description	Describes this environment. Type: String
EndpointURL	The URL to the LoadBalancer for this environment. Type: String
EnvironmentId	The ID of this environment. Type: String
EnvironmentName	The name of this environment. Type: String
Health	<p>Describes the health status of the environment. AWS Elastic Beanstalk indicates the failure levels for a running environment:</p> <ul style="list-style-type: none"> • 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 <code>UpdateEnvironment</code> or <code>RestartEnvironment</code> request. <p>Default: Grey Type: String Valid Values: Green Yellow Red Grey</p>
SolutionStackName	The name of the <code>SolutionStack</code> deployed with this environment. Type: String
Status	<p>The current operational status of the environment:</p> <ul style="list-style-type: none"> • 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. <p>Type: String Valid Values: Launching Updating Ready Terminating Terminated</p>
TemplateName	The name of the configuration template used to originally launch this environment. Type: String

Name	Description
VersionLabel	The application version deployed in this environment. Type: String

ValidateConfigurationSettingsResult

Description

Provides a list of validation messages.

Contents

Name	Description
Messages	A list of ValidationMessage (p. 114). Type: ValidationMessage (p. 114) list

ValidationMessage

Description

An error or warning for a desired configuration option value.

Contents

Name	Description
Message	A message describing the error or warning. Type: String
Namespace	Type: String
OptionName	Type: String
Severity	An indication of the severity of this message: <ul style="list-style-type: none">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