# Table of Contents

Welcome ........................................................................................................................................ 1
Actions ........................................................................................................................................... 2
  AbortEnvironmentUpdate ............................................................................................................. 4
    Request Parameters .................................................................................................................. 4
    Errors ....................................................................................................................................... 4
    See Also .................................................................................................................................. 4
  ApplyEnvironmentManagedAction ............................................................................................. 5
    Request Parameters .................................................................................................................. 5
    Response Elements .................................................................................................................. 5
    Errors ....................................................................................................................................... 6
    See Also .................................................................................................................................. 6
  CheckDNSAvailability .................................................................................................................. 7
    Request Parameters .................................................................................................................. 7
    Response Elements .................................................................................................................. 7
    Errors ....................................................................................................................................... 7
    Example ................................................................................................................................... 7
    See Also .................................................................................................................................. 8
  ComposeEnvironments ................................................................................................................. 9
    Request Parameters .................................................................................................................. 9
    Response Elements .................................................................................................................. 9
    Errors ....................................................................................................................................... 10
    See Also .................................................................................................................................. 10
  CreateApplication ....................................................................................................................... 11
    Request Parameters .................................................................................................................. 11
    Response Elements .................................................................................................................. 11
    Errors ....................................................................................................................................... 11
    Example ................................................................................................................................... 12
    See Also .................................................................................................................................. 12
  CreateApplicationVersion .......................................................................................................... 13
    Request Parameters .................................................................................................................. 13
    Response Elements .................................................................................................................. 14
    Errors ....................................................................................................................................... 15
    Example ................................................................................................................................... 15
    See Also .................................................................................................................................. 16
  CreateConfigurationTemplate ..................................................................................................... 17
    Request Parameters .................................................................................................................. 17
    Response Elements .................................................................................................................. 18
    Errors ....................................................................................................................................... 20
    Example ................................................................................................................................... 20
    See Also .................................................................................................................................. 24
  CreateEnvironment ...................................................................................................................... 25
    Request Parameters .................................................................................................................. 25
    Response Elements .................................................................................................................. 27
    Errors ....................................................................................................................................... 30
    Example ................................................................................................................................... 30
    See Also .................................................................................................................................. 30
  CreatePlatformVersion ............................................................................................................... 32
    Request Parameters .................................................................................................................. 32
    Response Elements .................................................................................................................. 32
    Errors ....................................................................................................................................... 33
    See Also .................................................................................................................................. 33
  CreateStorageLocation ............................................................................................................... 34
    Request Parameters .................................................................................................................. 34
    Response Elements .................................................................................................................. 34
    Errors ....................................................................................................................................... 34
<table>
<thead>
<tr>
<th>Function</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>UpdateEnvironment</td>
<td>126</td>
</tr>
<tr>
<td>UpdateConfigurationTemplate</td>
<td>119</td>
</tr>
<tr>
<td>UpdateApplicationResourceLifecycle</td>
<td>115</td>
</tr>
<tr>
<td>UpdateApplication</td>
<td>113</td>
</tr>
<tr>
<td>TerminateEnvironment</td>
<td>108</td>
</tr>
<tr>
<td>RestartAppServer</td>
<td>101</td>
</tr>
<tr>
<td>RetrieveEnvironmentInfo</td>
<td>103</td>
</tr>
<tr>
<td>SwapEnvironmentCNAMEs</td>
<td>106</td>
</tr>
<tr>
<td>RequestEnvironmentInfo</td>
<td>99</td>
</tr>
<tr>
<td>Errors</td>
<td>100</td>
</tr>
<tr>
<td>Example</td>
<td>100</td>
</tr>
<tr>
<td>See Also</td>
<td>102</td>
</tr>
<tr>
<td>Errors</td>
<td>101</td>
</tr>
<tr>
<td>Example</td>
<td>101</td>
</tr>
<tr>
<td>See Also</td>
<td>102</td>
</tr>
<tr>
<td>Request Parameters</td>
<td>99</td>
</tr>
<tr>
<td>Errors</td>
<td>101</td>
</tr>
<tr>
<td>Example</td>
<td>101</td>
</tr>
<tr>
<td>See Also</td>
<td>102</td>
</tr>
<tr>
<td>Request Parameters</td>
<td>103</td>
</tr>
<tr>
<td>Response Elements</td>
<td>103</td>
</tr>
<tr>
<td>Errors</td>
<td>104</td>
</tr>
<tr>
<td>Example</td>
<td>104</td>
</tr>
<tr>
<td>See Also</td>
<td>104</td>
</tr>
<tr>
<td>Request Parameters</td>
<td>106</td>
</tr>
<tr>
<td>Errors</td>
<td>107</td>
</tr>
<tr>
<td>Example</td>
<td>107</td>
</tr>
<tr>
<td>See Also</td>
<td>107</td>
</tr>
<tr>
<td>Request Parameters</td>
<td>108</td>
</tr>
<tr>
<td>Response Elements</td>
<td>109</td>
</tr>
<tr>
<td>Errors</td>
<td>111</td>
</tr>
<tr>
<td>Example</td>
<td>111</td>
</tr>
<tr>
<td>See Also</td>
<td>112</td>
</tr>
<tr>
<td>Request Parameters</td>
<td>113</td>
</tr>
<tr>
<td>Response Elements</td>
<td>113</td>
</tr>
<tr>
<td>Errors</td>
<td>113</td>
</tr>
<tr>
<td>Example</td>
<td>113</td>
</tr>
<tr>
<td>See Also</td>
<td>114</td>
</tr>
<tr>
<td>Request Parameters</td>
<td>115</td>
</tr>
<tr>
<td>Response Elements</td>
<td>115</td>
</tr>
<tr>
<td>Errors</td>
<td>115</td>
</tr>
<tr>
<td>See Also</td>
<td>115</td>
</tr>
<tr>
<td>Request Parameters</td>
<td>117</td>
</tr>
<tr>
<td>Response Elements</td>
<td>117</td>
</tr>
<tr>
<td>Errors</td>
<td>117</td>
</tr>
<tr>
<td>Example</td>
<td>118</td>
</tr>
<tr>
<td>See Also</td>
<td>118</td>
</tr>
<tr>
<td>Request Parameters</td>
<td>119</td>
</tr>
<tr>
<td>Response Elements</td>
<td>119</td>
</tr>
<tr>
<td>Errors</td>
<td>120</td>
</tr>
<tr>
<td>Example</td>
<td>121</td>
</tr>
<tr>
<td>See Also</td>
<td>125</td>
</tr>
<tr>
<td>Request Parameters</td>
<td>126</td>
</tr>
<tr>
<td>Response Elements</td>
<td>126</td>
</tr>
<tr>
<td>Errors</td>
<td>128</td>
</tr>
<tr>
<td>Example</td>
<td>130</td>
</tr>
</tbody>
</table>

Example ........................................................................................ 97
See Also ........................................................................................ 98

Errors ............................................................................................ 100
Response Elements ......................................................................... 100
Request Parameters ....................................................................... 100
See Also ........................................................................................ 100

Errors ............................................................................................ 101
Response Elements ......................................................................... 101
Request Parameters ....................................................................... 101
See Also ........................................................................................ 102

Errors ............................................................................................ 103
Response Elements ......................................................................... 103
Request Parameters ....................................................................... 103
See Also ........................................................................................ 104

Errors ............................................................................................ 104
Response Elements ......................................................................... 104
Request Parameters ....................................................................... 104
See Also ........................................................................................ 104

Errors ............................................................................................ 106
Response Elements ......................................................................... 106
Request Parameters ....................................................................... 106
See Also ........................................................................................ 107

Errors ............................................................................................ 107
Response Elements ......................................................................... 107
Request Parameters ....................................................................... 107
See Also ........................................................................................ 107

Errors ............................................................................................ 108
Response Elements ......................................................................... 108
Request Parameters ....................................................................... 108
See Also ........................................................................................ 109

Errors ............................................................................................ 109
Response Elements ......................................................................... 109
Request Parameters ....................................................................... 109
See Also ........................................................................................ 111

Errors ............................................................................................ 111
Response Elements ......................................................................... 111
Request Parameters ....................................................................... 111
See Also ........................................................................................ 112

Errors ............................................................................................ 112
Response Elements ......................................................................... 112
Request Parameters ....................................................................... 112
See Also ........................................................................................ 114

Errors ............................................................................................ 114
Response Elements ......................................................................... 114
Request Parameters ....................................................................... 114
See Also ........................................................................................ 115

Errors ............................................................................................ 115
Response Elements ......................................................................... 115
Request Parameters ....................................................................... 115
See Also ........................................................................................ 115

Errors ............................................................................................ 115
Response Elements ......................................................................... 115
Request Parameters ....................................................................... 115
See Also ........................................................................................ 115

Errors ............................................................................................ 117
Response Elements ......................................................................... 117
Request Parameters ....................................................................... 117
See Also ........................................................................................ 118

Errors ............................................................................................ 118
Response Elements ......................................................................... 118
Request Parameters ....................................................................... 118
See Also ........................................................................................ 118

Errors ............................................................................................ 118
Response Elements ......................................................................... 118
Request Parameters ....................................................................... 118
See Also ........................................................................................ 119

Errors ............................................................................................ 120
Response Elements ......................................................................... 120
Request Parameters ....................................................................... 120
See Also ........................................................................................ 121

Errors ............................................................................................ 121
Response Elements ......................................................................... 121
Request Parameters ....................................................................... 121
See Also ........................................................................................ 125

Errors ............................................................................................ 125
Response Elements ......................................................................... 125
Request Parameters ....................................................................... 125
See Also ........................................................................................ 126

Errors ............................................................................................ 126
Response Elements ......................................................................... 126
Request Parameters ....................................................................... 126
See Also ........................................................................................ 128

Errors ............................................................................................ 128
Response Elements ......................................................................... 128
Request Parameters ....................................................................... 128
See Also ........................................................................................ 130

Errors ............................................................................................ 130
Response Elements ......................................................................... 130
Request Parameters ....................................................................... 130
See Also ........................................................................................ 131
### AWS Elastic Beanstalk API Reference

<table>
<thead>
<tr>
<th>Data Types</th>
<th>138</th>
</tr>
</thead>
<tbody>
<tr>
<td>ApplicationDescription</td>
<td>140</td>
</tr>
<tr>
<td>ApplicationMetrics</td>
<td>142</td>
</tr>
<tr>
<td>ApplicationResourceLifecycleConfig</td>
<td>143</td>
</tr>
<tr>
<td>ApplicationVersionDescription</td>
<td>144</td>
</tr>
<tr>
<td>ApplicationVersionLifecycleConfig</td>
<td>145</td>
</tr>
<tr>
<td>AutoScalingGroup</td>
<td>146</td>
</tr>
<tr>
<td>BuildConfiguration</td>
<td>148</td>
</tr>
<tr>
<td>Builder</td>
<td>150</td>
</tr>
<tr>
<td>ConfigurationOptionDescription</td>
<td>151</td>
</tr>
<tr>
<td>ConfigurationOptionSetting</td>
<td>154</td>
</tr>
<tr>
<td>ConfigurationSettingsDescription</td>
<td>155</td>
</tr>
<tr>
<td>CPUUtilization</td>
<td>157</td>
</tr>
<tr>
<td>CustomAmi</td>
<td>159</td>
</tr>
<tr>
<td>Deployment</td>
<td>160</td>
</tr>
<tr>
<td>EnvironmentDescription</td>
<td>161</td>
</tr>
</tbody>
</table>

**See Also**

- 131
- 133
- 134
- 135
- 136
- 138
- 140
- 142
- 143
- 144
- 145
- 146
- 148
- 150
- 151
- 154
- 155
- 157
- 159
- 160
- 161

**API Version 2010-12-01**
Welcome

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

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

Endpoints

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

This document was last published on February 7, 2018.
Actions

The following actions are supported:

- AbortEnvironmentUpdate (p. 4)
- ApplyEnvironmentManagedAction (p. 5)
- CheckDNSAvailability (p. 7)
- ComposeEnvironments (p. 9)
- CreateApplication (p. 11)
- CreateApplicationVersion (p. 13)
- CreateConfigurationTemplate (p. 17)
- CreateEnvironment (p. 25)
- CreatePlatformVersion (p. 32)
- CreateStorageLocation (p. 34)
- DeleteApplication (p. 36)
- DeleteApplicationVersion (p. 38)
- DeleteConfigurationTemplate (p. 40)
- DeleteEnvironmentConfiguration (p. 42)
- DeletePlatformVersion (p. 44)
- DescribeApplications (p. 46)
- DescribeApplicationVersions (p. 48)
- DescribeConfigurationOptions (p. 51)
- DescribeConfigurationSettings (p. 61)
- DescribeEnvironmentHealth (p. 67)
- DescribeEnvironmentManagedActionHistory (p. 71)
- DescribeEnvironmentManagedActions (p. 73)
- DescribeEnvironmentResources (p. 75)
- DescribeEnvironments (p. 78)
- DescribeEvents (p. 81)
- DescribeInstancesHealth (p. 85)
- DescribePlatformVersion (p. 89)
- ListAvailableSolutionStacks (p. 91)
- ListPlatformVersions (p. 93)
- ListTagsForResource (p. 95)
- RebuildEnvironment (p. 97)
- RequestEnvironmentInfo (p. 99)
- RestartAppServer (p. 101)
- RetrieveEnvironmentInfo (p. 103)
- SwapEnvironmentCNAMEs (p. 106)
- TerminateEnvironment (p. 108)
- UpdateApplication (p. 113)
- UpdateApplicationResourceLifecycle (p. 115)
- UpdateApplicationVersion (p. 117)
- UpdateConfigurationTemplate (p. 119)
- UpdateEnvironment (p. 126)
- UpdateTagsForResource (p. 133)
- ValidateConfigurationSettings (p. 135)
AbortEnvironmentUpdate

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

EnvironmentId

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

Type: String
Required: No

EnvironmentName

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

Type: String
Required: No

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

InsufficientPrivileges

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

HTTP Status Code: 403

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
ApplyEnvironmentManagedAction

Applies a scheduled managed action immediately. A managed action can be applied only if its status is Scheduled. Get the status and action ID of a managed action with DescribeEnvironmentManagedActions (p. 73).

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ActionId**

The action ID of the scheduled managed action to execute.

Type: String

Required: Yes

**EnvironmentId**

The environment ID of the target environment.

Type: String

Required: No

**EnvironmentName**

The name of the target environment.

Type: String

Required: No

Response Elements

The following elements are returned by the service.

**ActionDescription**

A description of the managed action.

Type: String

**ActionId**

The action ID of the managed action.

Type: String

**ActionType**

The type of managed action.

Type: String

Valid Values: InstanceRefresh | PlatformUpdate | Unknown

**Status**

The status of the managed action.
Type: String

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

ManagedActionInvalidState

Cannot modify the managed action in its current state.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
CheckDNSAvailability

Checks if the specified CNAME is available.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

CNAMEPrefix

The prefix used when this CNAME is reserved.

Type: String


Required: Yes

Response Elements

The following elements are returned by the service.

Available

Indicates if the specified CNAME is available:

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

Type: Boolean

FullyQualifiedCNAME

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

Type: String

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

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

Example

Sample Request

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

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

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
ComposeEnvironments

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

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

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

Type: String

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

Required: No

**GroupName**

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

Type: String


Required: No

**VersionLabels.member.N**

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

Type: Array of strings

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

Required: No

**Response Elements**

The following elements are returned by the service.

**Environments.member.N**

Returns an EnvironmentDescription (p. 161) list.

Type: Array of EnvironmentDescription (p. 161) objects

**NextToken**

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

For information about the errors that are common to all actions, see Common Errors (p. 213).

InsufficientPrivileges

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

HTTP Status Code: 403

TooManyEnvironments

The specified account has reached its limit of environments.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
CreateApplication

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

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

The name of the application.

- **Constraint:** This name must be unique within your account. If the specified name already exists, the action returns an InvalidParameterValue error.
- **Type:** String
- **Length Constraints:** Minimum length of 1. Maximum length of 100.
- **Required:** Yes

**Description**

Describes the application.

- **Type:** String
- **Length Constraints:** Maximum length of 200.
- **Required:** No

**ResourceLifecycleConfig**

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

- **Type:** ApplicationResourceLifecycleConfig (p. 143) object
- **Required:** No

**Response Elements**

The following element is returned by the service.

**Application**

The ApplicationDescription (p. 140) of the application.

- **Type:** ApplicationDescription (p. 140) object

**Errors**

For information about the errors that are common to all actions, see Common Errors (p. 213).

**TooManyApplications**

The specified account has reached its limit of applications.
HTTP Status Code: 400

Example

Sample Request

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

Sample Response

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

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
CreateApplicationVersion

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

Specify a commit in an AWS CodeCommit repository with SourceBuildInformation.

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

Specify a source bundle in S3 with SourceBundle

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

**Note**

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

### Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

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

Type: String

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

Required: Yes

**AutoCreateApplication**

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

Type: Boolean

Required: No

**BuildConfiguration**

Settings for an AWS CodeBuild build.

Type: BuildConfiguration (p. 148) object

Required: No

**Description**

Describes this version.

Type: String

Length Constraints: Maximum length of 200.

Required: No
Process

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

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

Type: Boolean
Required: No

SourceBuildInformation

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

Type: SourceBuildInformation (p. 203) object
Required: No

SourceBundle

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

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

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

Type: S3Location (p. 199) object
Required: No

VersionLabel

A label identifying this version.

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

Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Required: Yes

Response Elements

The following element is returned by the service.

ApplicationVersion

The ApplicationVersionDescription (p. 144) of the application version.

Type: ApplicationVersionDescription (p. 144) object
Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

**CodeBuildNotInServiceRegion**

AWS CodeBuild is not available in the specified region.

HTTP Status Code: 400

**InsufficientPrivileges**

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

HTTP Status Code: 403

**S3LocationNotInServiceRegion**

The specified S3 bucket does not belong to the S3 region in which the service is running. The following regions are supported:
- IAD/us-east-1
- PDX/us-west-2
- DUB/eu-west-1

HTTP Status Code: 400

**TooManyApplications**

The specified account has reached its limit of applications.

HTTP Status Code: 400

**TooManyApplicationVersions**

The specified account has reached its limit of application versions.

HTTP Status Code: 400

Example

**Sample Request**

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

**Sample Response**

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

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

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
CreateConfigurationTemplate

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

Related Topics

- DescribeConfigurationOptions (p. 51)
- DescribeConfigurationSettings (p. 61)
- ListAvailableSolutionStacks (p. 91)

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

ApplicationName

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

Type: String

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

Required: Yes

Description

Describes this configuration.

Type: String

Length Constraints: Maximum length of 200.

Required: No

EnvironmentId

The ID of the environment used with this configuration template.

Type: String

Required: No

OptionSettings.member.N

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

Type: Array of ConfigurationOptionSetting (p. 154) objects

Required: No

PlatformArn

The ARN of the custom platform.

Type: String
Response Elements

The following elements are returned by the service.

**ApplicationName**

The name of the application associated with this configuration set.

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

### DateCreated

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

Type: Timestamp

### DateUpdated

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

Type: Timestamp

### DeploymentStatus

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

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

Type: String

Valid Values: deployed | pending | failed

### Description

Describes this configuration set.

Type: String

Length Constraints: Maximum length of 200.

### EnvironmentName

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

Type: String


### OptionSettings.member.N

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

Type: Array of ConfigurationOptionSetting (p. 154) objects

### PlatformArn

The ARN of the platform.

Type: String

### SolutionStackName

The name of the solution stack this configuration set uses.

Type: String

### TemplateName

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

For information about the errors that are common to all actions, see Common Errors (p. 213).

InsufficientPrivileges

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

HTTP Status Code: 403

TooManyBuckets

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

HTTP Status Code: 400

TooManyConfigurationTemplates

The specified account has reached its limit of configuration templates.

HTTP Status Code: 400

Example

Sample Request

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

Sample Response

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

<member>
  <OptionName>JDBC_CONNECTION_STRING</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
</member>

<member>
  <OptionName>SecurityGroups</OptionName>
  <Value>elasticbeanstalk-default</Value>
  <Namespace>aws:elasticbeanstalk:application</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:elasticbeanstalk:environment</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>

<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></Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>

<member>
  <OptionName>Notification Topic Name</OptionName>
  <Value></Value>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>

<member>
  <OptionName>PARAM2</OptionName>
  <Value></Value>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>

<member>
  <OptionName>LoadBalancerHTTPPort</OptionName>
  <Value>80</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>

<member>
  <OptionName>Timeout</OptionName>
  <Value>5</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>

<member>
  <OptionName>BreachDuration</OptionName>
  <Value>2</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>

<member>
  <OptionName>MonitoringInterval</OptionName>
  <Value>5 minute</Value>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>
<member>
  <OptionName>PARAM1</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>

<member>
  <OptionName>MaxSize</OptionName>
  <Value>4</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>

<member>
  <OptionName>LowerThreshold</OptionName>
  <Value>2000000</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>

<member>
  <OptionName>AWS_SECRET_KEY</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>

<member>
  <OptionName>AWS_ACCESS_KEY_ID</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>

<member>
  <OptionName>UpperThreshold</OptionName>
  <Value>6000000</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>

<member>
  <OptionName>Notification Protocol</OptionName>
  <Value>email</Value>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>

<member>
  <OptionName>Unit</OptionName>
  <Value>Bytes</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>

<member>
  <OptionName>Xmx</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>

<member>
  <OptionName>Cooldown</OptionName>
  <Value>360</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>

<member>
  <OptionName>Period</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>

<member>
  <OptionName>Xms</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>

<member>
  <OptionName>EC2KeyName</OptionName>
  <Value/>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>

API Version 2010-12-01
23
See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
CreateEnvironment

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

ApplicationName

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

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

Type: String

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

Required: Yes

CNAMEPrefix

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

Type: String


Required: No

Description

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

Required: No

EnvironmentName

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

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

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

Type: String


Required: No
GroupName

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

Type: String


Required: No

OptionSettings.member.N

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

Type: Array of ConfigurationOptionSetting (p. 154) objects

Required: No

OptionsToRemove.member.N

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

Type: Array of OptionSpecification (p. 189) objects

Required: No

PlatformArn

The ARN of the platform.

Type: String

Required: No

SolutionStackName

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

Type: String

Required: No

Tags.member.N

This specifies the tags applied to resources in the environment.

Type: Array of Tag (p. 208) objects

Required: No

TemplateName

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

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.
**Required:** No

**Tier**

This specifies the tier to use for creating this environment.

Type: `EnvironmentTier (p. 170)` object

**Required:** No

**VersionLabel**

The name of the application version to deploy.

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

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

Type: String

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

**Required:** No

## Response Elements

The following elements are returned by the service.

**AbortableOperationInProgress**

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

- **true:** There is an update in progress.
- **false:** There are no updates currently in progress.

Type: Boolean

**ApplicationName**

The name of the application associated with this environment.

Type: String

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

**CNAME**

The URL to the CNAME for this environment.

Type: String

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

**DateCreated**

The creation date for this environment.

Type: Timestamp
**DateUpdated**

The last modified date for this environment.

Type: Timestamp

**Description**

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

**EndpointURL**

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

Type: String

**EnvironmentArn**

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

Type: String

**EnvironmentId**

The ID of this environment.

Type: String

**EnvironmentLinks.member.N**

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

Type: Array of EnvironmentLink (p. 166) objects

**EnvironmentName**

The name of this environment.

Type: String


**Health**

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

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

Default: Grey

Type: String
Valid Values: Green | Yellow | Red | Grey

**HealthStatus**

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

Type: String

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

**PlatformArn**

The ARN of the platform.

Type: String

**Resources**

The description of the AWS resources used by this environment.

Type: EnvironmentResourcesDescription (p. 169) object

**SolutionStackName**

The name of the SolutionStack deployed with this environment.

Type: String

**Status**

The current operational status of the environment:

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

Type: String

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

**TemplateName**

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

Type: String

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

**Tier**

Describes the current tier of this environment.

Type: EnvironmentTier (p. 170) object

**VersionLabel**

The application version deployed in this environment.

Type: String

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

For information about the errors that are common to all actions, see Common Errors (p. 213).

InsufficientPrivileges

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

HTTP Status Code: 403

TooManyEnvironments

The specified account has reached its limit of environments.

HTTP Status Code: 400

Example

Sample Request

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

Sample Response

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

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V2
CreatePlatformVersion

Create a new version of your custom platform.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

EnvironmentName

The name of the builder environment.

Type: String


Required: No

OptionSettings.member.N

The configuration option settings to apply to the builder environment.

Type: Array of ConfigurationOptionSetting (p. 154) objects

Required: No

PlatformDefinitionBundle

The location of the platform definition archive in Amazon S3.

Type: S3Location (p. 199) object

Required: Yes

PlatformName

The name of your custom platform.

Type: String

Required: Yes

PlatformVersion

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

Type: String

Required: Yes

Response Elements

The following elements are returned by the service.

Builder

The builder used to create the custom platform.

Type: Builder (p. 150) object
PlatformSummary

Detailed information about the new version of the custom platform.

Type: PlatformSummary (p. 196) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InsufficientPrivileges

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

HTTP Status Code: 403

TooManyPlatforms

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
CreateStorageLocation

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

Response Elements

The following element is returned by the service.

S3Bucket

The name of the Amazon S3 bucket created.

Type: String

Length Constraints: Maximum length of 255.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

InsufficientPrivileges

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

HTTP Status Code: 403

S3SubscriptionRequired

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

HTTP Status Code: 400

TooManyBuckets

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

HTTP Status Code: 400

Example

Sample Request

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

Sample Response

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

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DeleteApplication

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

**Note**
You cannot delete an application that has a running environment.

**Request Parameters**

For information about the parameters that are common to all actions, see [Common Parameters (p. 211)](aws-elastic-beanstalk-api-reference.html).

**ApplicationName**

The name of the application to delete.

- **Type:** String
- **Length Constraints:** Minimum length of 1. Maximum length of 100.
- **Required:** Yes

**TerminateEnvByForce**

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

- **Type:** Boolean
- **Required:** No

**Errors**

For information about the errors that are common to all actions, see [Common Errors (p. 213)](aws-elastic-beanstalk-api-reference.html).

**OperationInProgressFailure**

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

- **HTTP Status Code:** 400

**Example**

**Sample Request**

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

**Sample Response**

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

---

**API Version 2010-12-01**

**36**
See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DeleteApplicationVersion

Deletes the specified version from the specified application.

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

**Request Parameters**

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

**ApplicationName**

The name of the application to which the version belongs.

- **Type**: String
- **Length Constraints**: Minimum length of 1. Maximum length of 100.
- **Required**: Yes

**DeleteSourceBundle**

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

- **Type**: Boolean
- **Required**: No

**VersionLabel**

The label of the version to delete.

- **Type**: String
- **Length Constraints**: Minimum length of 1. Maximum length of 100.
- **Required**: Yes

**Errors**

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

**InsufficientPrivileges**

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

- **HTTP Status Code**: 403

**OperationInProgressFailure**

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

- **HTTP Status Code**: 400

**S3LocationNotInServiceRegion**

The specified S3 bucket does not belong to the S3 region in which the service is running. The following regions are supported:
• IAD/us-east-1
• PDX/us-west-2
• DUB/eu-west-1

HTTP Status Code: 400

SourceBundleDeletionFailure

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

HTTP Status Code: 400

Example

Sample Request

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

Sample Response

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

See Also

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

• AWS Command Line Interface
• AWS SDK for .NET
• AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V2
DeleteConfigurationTemplate

Deletes the specified configuration template.

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

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

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

Type: String

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

Required: Yes

**TemplateName**

The name of the configuration template to delete.

Type: String

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

Required: Yes

**Errors**

For information about the errors that are common to all actions, see Common Errors (p. 213).

**OperationInProgressFailure**

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

HTTP Status Code: 400

**Example**

**Sample Request**

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

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

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DeleteEnvironmentConfiguration

Deletes the draft configuration associated with the running environment.

Updating a running environment with any configuration changes creates a draft configuration set. You can get the draft configuration using DescribeConfigurationSettings (p. 61) while the update is in progress or if the update fails. The DeploymentStatus for the draft configuration indicates whether the deployment is in process or has failed. The draft configuration remains in existence until it is deleted with this action.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

The name of the application the environment is associated with.

Type: String

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

Required: Yes

**EnvironmentName**

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

Type: String


Required: Yes

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

Example

**Sample Request**

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

**Sample Response**

<DeleteEnvironmentConfigurationResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <ResponseMetadata>
    <RequestId>fdf76507-f26d-11df-8a78-9f7704b7e0d0c</RequestId>
  </ResponseMetadata>
</DeleteEnvironmentConfigurationResponse>
See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DeletePlatformVersion

Deletes the specified version of a custom platform.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

PlatformArn

The ARN of the version of the custom platform.

Type: String

Required: No

Response Elements

The following element is returned by the service.

PlatformSummary

Detailed information about the version of the custom platform.

Type: PlatformSummary (p. 196) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InsufficientPrivileges

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

HTTP Status Code: 403

OperationInProgressFailure

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

HTTP Status Code: 400

PlatformVersionStillReferenced

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

HTTP Status Code: 400
See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DescribeApplications

Returns the descriptions of existing applications.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

ApplicationNames.member.N

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

Type: Array of strings

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

Required: No

Response Elements

The following element is returned by the service.

Applications.member.N

This parameter contains a list of ApplicationDescription (p. 140).

Type: Array of ApplicationDescription (p. 140) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

Example

Sample Request

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

Sample Response

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

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DescribeApplicationVersions

Retrieve a list of application versions.

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

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

Type: String

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

Required: No

**MaxRecords**

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

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

Type: Integer

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

Required: No

**NextToken**

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

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

Type: String

Required: No

**VersionLabels.member.N**

Specify a version label to show a specific application version.

Type: Array of strings

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

Required: No

**Response Elements**

The following elements are returned by the service.

**ApplicationVersions.member.N**

List of ApplicationVersionDescription objects sorted in order of creation.
Type: Array of ApplicationVersionDescription (p. 144) objects

NextToken

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

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

Example

Sample Request

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

Sample Response

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

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V2
DescribeConfigurationOptions

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

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

Type: String

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

Required: No

**EnvironmentName**

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

Type: String


Required: No

**Options.member.N**

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

Type: Array of OptionSpecification (p. 189) objects

Required: No

**PlatformArn**

The ARN of the custom platform.

Type: String

Required: No

**SolutionStackName**

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

Type: String

Required: No

**TemplateName**

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

Type: String
Response Elements

The following elements are returned by the service.

Options.member.N

A list of ConfigurationOptionDescription (p. 151).

Type: Array of ConfigurationOptionDescription (p. 151) objects

PlatformArn

The ARN of the platform.

Type: String

SolutionStackName

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

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

TooManyBuckets

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

HTTP Status Code: 400

Example

Sample Request

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

Sample Response

<DescribeConfigurationOptionsResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <DescribeConfigurationOptionsResult>
    <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>
    <Options>
      <member>
        <UserDefined>false</UserDefined>
      </member>
    </Options>
  </DescribeConfigurationOptionsResult>
</DescribeConfigurationOptionsResponse>
<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>
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<ChangeSeverity>RestartApplicationServer</ChangeSeverity>
<MaxLength>2000</MaxLength>
<Name>PARAM4</Name>
<ValueType>Scalar</ValueType>
<DefaultValue/>
<Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>

<member>
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<ChangeSeverity>RestartApplicationServer</ChangeSeverity>
<MaxLength>2000</MaxLength>
<Name>JDBC_CONNECTION_STRING</Name>
<ValueType>Scalar</ValueType>
<DefaultValue/>
<Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>

<member>
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<MaxLength>2000</MaxLength>
<Name>SecurityGroups</Name>
<ValueType>Scalar</ValueType>
<DefaultValue>elasticbeanstalk-default</DefaultValue>
<Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>

<member>
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<ValueType>Scalar</ValueType>
<DefaultValue>5</DefaultValue>
<MaxValue>10</MaxValue>
<Namespace>aws:elb:healthcheck</Namespace>
</member>

<member>
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<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>

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<ChangeSeverity>NoInterruption</ChangeSeverity>
<Name>Statistic</Name>
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  <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>

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  <MinValue>0</MinValue>
  <Name>Stickiness Cookie Expiration</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>0</DefaultValue>
  <MaxValue>1000000</MaxValue>
  <Namespace>aws:elb:policies</Namespace>
</member>

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  <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>PARAM5</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue/>
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</member>

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  <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>
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  <DefaultValue>30</DefaultValue>
  <MaxValue>300</MaxValue>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>

<member>
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  <MaxLength>2000</MaxLength>
  <Name>Application Healthcheck URL</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>/</DefaultValue>
  <Namespace>aws:elasticbeanstalk:application</Namespace>
</member>

<member>
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  <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>NoInterruption</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>XX:MaxPermSize</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>64m</DefaultValue>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>

<member>
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  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MaxLength>2000</MaxLength>
  <Name>UpperBreachScaleIncrement</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>1</DefaultValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>

<member>
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  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>1</MinValue>
  <Name>MinSize</Name>
  <ValueType>Scalar</ValueType>
  <DefaultValue>1</DefaultValue>
  <Namespace>MinSize</Namespace>
</member>
<DefaultValue>1</DefaultValue>
<MaxValue>10000</MaxValue>
<Namespace>aws:autoscaling:asg</Namespace>
</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>

<UserDefined>false</UserDefined>
<ChangeSeverity>RestartEnvironment</ChangeSeverity>
<Name>Availability Zones</Name>
<ValueOptions>
  <member>Any 1</member>
  <member>Any 2</member>
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<ValueType>Scalar</ValueType>
<DefaultValue>Any 1</DefaultValue>
<Namespace>aws:autoscaling:asg</Namespace>
</member>

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<ChangeSeverity>NoInterruption</ChangeSeverity>
<Name>LogPublicationControl</Name>
<ValueType>Boolean</ValueType>
<DefaultValue>false</DefaultValue>
<Namespace>aws:elasticbeanstalk:hostmanager</Namespace>
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<ChangeSeverity>RestartApplicationServer</ChangeSeverity>
<MaxLength>2000</MaxLength>
<Name>JVM Options</Name>
<ValueType>Scalar</ValueType>
<DefaultValue/>
<Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>

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<ChangeSeverity>NoInterruption</ChangeSeverity>
<MaxLength>2000</MaxLength>
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<ValueType>Scalar</ValueType>
<DefaultValue/>
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</member>

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<ChangeSeverity>RestartApplicationServer</ChangeSeverity>
<MaxLength>2000</MaxLength>
<Name>PARAM2</Name>
<ValueType>Scalar</ValueType>
<DefaultValue/>
<Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>
Example

API Version 2010-12-01
57
<member>
  <UserDefined>false</UserDefined>
  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>0</MinValue>
  <Name>LowerThreshold</Name>
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  <MaxValue>20000000</MaxValue>
  <Namespace>aws:autoscaling:trigger</Namespace>
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  <Name>UpperThreshold</Name>
  <ValueType>Scalar</ValueType>
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  <MaxValue>20000000</MaxValue>
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</member>

<member>
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  <ChangeSeverity>NoInterruption</ChangeSeverity>
  <MinValue>0</MinValue>
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    <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>
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  <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>
</member>

API Version 2010-12-01
58
<DefaultValue>Bytes</DefaultValue>
<Namespace>aws:autoscaling:trigger</Namespace>
</member>

<member>
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<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>
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<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>
DescribeConfigurationSettings

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

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

Related Topics

- DeleteEnvironmentConfiguration (p. 42)

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

The application for the environment or configuration template.

Type: String

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

Required: Yes

**EnvironmentName**

The name of the environment to describe.

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

Type: String


Required: No

**TemplateName**

The name of the configuration template to describe.

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

Type: String

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

Required: No

Response Elements

The following element is returned by the service.
ConfigurationSettings.member.N

A list of ConfigurationSettingsDescription (p. 155).
Type: Array of ConfigurationSettingsDescription (p. 155) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

TooManyBuckets

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

Example

Sample Request

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

Sample Response

API Version 2010-12-01
### Example

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

**API Version 2010-12-01**
AWS Elastic Beanstalk API Reference

Example

<member>
  <OptionName>UpperBreachScaleIncrement</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>

<member>
  <OptionName>MinSize</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>

<member>
  <OptionName>Custom Availability Zones</OptionName>
  <Value>us-east-1a</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>

<member>
  <OptionName>Availability Zones</OptionName>
  <Value>Any 1</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>

<member>
  <OptionName>LogPublicationControl</OptionName>
  <Value>false</Value>
  <Namespace>aws:elasticbeanstalk:hostmanager</Namespace>
</member>

<member>
  <OptionName>JVM Options</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>

<member>
  <OptionName>Notification Topic Name</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>

<member>
  <OptionName>PARAM2</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>

<member>
  <OptionName>LoadBalancerHTTPPort</OptionName>
  <Value>80</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>

<member>
  <OptionName>Timeout</OptionName>
  <Value>5</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>

<member>
  <OptionName>BreachDuration</OptionName>
  <Value>2</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>

<member>
  <OptionName>MonitoringInterval</OptionName>
  <Value>5 minute</Value>
  <Namespace>aws:autoscaling:launchconfiguration</Namespace>
</member>

<member>
  <OptionName>PARAM1</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>

API Version 2010-12-01

64
<OptionName>MaxSize</OptionName>
<Value>4</Value>
.Namespace/aws:autoscaling:asg</Namespace>
</member>

(member>
<OptionName>LowerThreshold</OptionName>
<Value>2000000</Value>
.Namespace/aws:autoscaling:trigger</Namespace>
</member>

(member>
<OptionName>AWS_SECRET_KEY</OptionName>
<Value/>
.Namespace/aws:elasticbeanstalk:application:environment</Namespace>
</member>

(member>
<OptionName>AWS_ACCESS_KEY_ID</OptionName>
<Value/>
.Namespace/aws:elasticbeanstalk:application:environment</Namespace>
</member>

(member>
<OptionName>UpperThreshold</OptionName>
<Value>6000000</Value>
.Namespace/aws:autoscaling:trigger</Namespace>
</member>

(member>
<OptionName>Notification Protocol</OptionName>
<Value>email</Value>
.Namespace/aws:elasticbeanstalk:sns:topics</Namespace>
</member>

(member>
<OptionName>Unit</OptionName>
<Value>Bytes</Value>
.Namespace/aws:autoscaling:trigger</Namespace>
</member>

(member>
<OptionName>Xmx</OptionName>
<Value>256m</Value>
.Namespace/aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>

(member>
<OptionName>Cooldown</OptionName>
<Value>360</Value>
.Namespace/aws:autoscaling:asg</Namespace>
</member>

(member>
<OptionName>Period</OptionName>
<Value>1</Value>
.Namespace/aws:autoscaling:trigger</Namespace>
</member>

(member>
<OptionName>Xms</OptionName>
<Value>256m</Value>
.Namespace/aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>

(member>
<OptionName>EC2KeyName</OptionName>
<Value/>
.Namespace/aws:autoscaling:launchconfiguration</Namespace>
</member>

(member>
<OptionName>Stickiness Policy</OptionName>
<Value>false</Value>
.Namespace/aws:elb:policies</Namespace>
</member>

(member>
<OptionName>PARAM3</OptionName>
See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DescribeEnvironmentHealth

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

AttributeNames.member.N

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

Type: Array of strings

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

Required: No

EnvironmentId

Specify the environment by ID.

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

Type: String

Required: No

EnvironmentName

Specify the environment by name.

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

Type: String


Required: No

Response Elements

The following elements are returned by the service.

ApplicationMetrics

Application request metrics for the environment.

Type: ApplicationMetrics (p. 142) object

Causes.member.N

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

For information about the errors that are common to all actions, see Common Errors (p. 213).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InvalidRequest

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

HTTP Status Code: 400
Example

Sample Request

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

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

Sample Response

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

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

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DescribeEnvironmentManagedActionHistory

Lists an environment's completed and failed managed actions.

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**EnvironmentId**

The environment ID of the target environment.

Type: String

Required: No

**EnvironmentName**

The name of the target environment.

Type: String


Required: No

**MaxItems**

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

Type: Integer

Required: No

**NextToken**

The pagination token returned by a previous request.

Type: String

Required: No

**Response Elements**

The following elements are returned by the service.

**ManagedActionHistoryItems.member.N**

A list of completed and failed managed actions.

Type: Array of ManagedActionHistoryItem (p. 184) objects

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

**NextToken**

A pagination token that you pass to DescribeEnvironmentManagedActionHistory (p. 71) to get the next page of results.

Type: String
Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DescribeEnvironmentManagedActions

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

EnvironmentId

The environment ID of the target environment.

Type: String
Required: No

EnvironmentName

The name of the target environment.

Type: String
Required: No

Status

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

Type: String
Valid Values: Scheduled | Pending | Running | Unknown
Required: No

Response Elements

The following element is returned by the service.

ManagedActions.member.N

A list of upcoming and in-progress managed actions.

Type: Array of ManagedAction (p. 182) objects
Array Members: Minimum number of 1 item. Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400
See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DescribeEnvironmentResources

Returns AWS resources for this environment.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

EnvironmentId

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

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

Type: String

Required: No

EnvironmentName

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

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

Type: String


Required: No

Response Elements

The following element is returned by the service.

EnvironmentResources

A list of EnvironmentResourceDescription (p. 167).

Type: EnvironmentResourceDescription (p. 167) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

InsufficientPrivileges

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

HTTP Status Code: 403
Example

Sample Request

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

Sample Response

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

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript

API Version 2010-12-01
AWS Elastic Beanstalk API Reference
See Also

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DescribeEnvironments

Returns descriptions for existing environments.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

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

Type: String

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

Required: No

**EnvironmentIds.member.N**

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

Type: Array of strings

Required: No

**EnvironmentNames.member.N**

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

Type: Array of strings


Required: No

**IncludedDeletedBackTo**

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

Type: Timestamp

Required: No

**IncludeDeleted**

Indicates whether to include deleted environments:

- **true**: Environments that have been deleted after IncludedDeletedBackTo are displayed.
- **false**: Do not include deleted environments.

Type: Boolean

Required: No

**MaxRecords**

For a paginated request. Specify a maximum number of environments to include in each response.
If no `MaxRecords` is specified, all available environments are retrieved in a single response.

Type: Integer

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

Required: No

**NextToken**

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

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

Type: String

Required: No

**VersionLabel**

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

Type: String

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

Required: No

## Response Elements

The following elements are returned by the service.

**Environments.member.N**

Returns an `EnvironmentDescription` list.

Type: Array of `EnvironmentDescription` objects

**NextToken**

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

Type: String

## Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

## Example

### Sample Request

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

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

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DescribeEvents

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

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

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

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

Type: String

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

Required: No

**EndTime**

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

Type: Timestamp

Required: No

**EnvironmentId**

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

Type: String

Required: No

**EnvironmentName**

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

Type: String


Required: No

**MaxRecords**

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

Type: Integer

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

Required: No
NextToken

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

Type: String
Required: No

PlatformArn

The ARN of the version of the custom platform.

Type: String
Required: No

RequestId

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

Type: String
Required: No

Severity

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

Type: String

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

Required: No

StartTime

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

Type: Timestamp
Required: No

TemplateName

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

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

Required: No

VersionLabel

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

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

Required: No
Response Elements

The following elements are returned by the service.

**Events.member.N**

A list of EventDescription (p. 171).

Type: Array of EventDescription (p. 171) objects

**NextToken**

If returned, this indicates that there are more results to obtain. Use this token in the next DescribeEvents (p. 81) call to get the next batch of events.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

Example

Sample Request

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

Sample Response

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

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DescribeInstancesHealth

Retrieves detailed information about the health of instances in your AWS Elastic Beanstalk. This operation requires enhanced health reporting.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**AttributeNames.member.N**

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

Type: Array of strings

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

Required: No

**EnvironmentId**

Specify the AWS Elastic Beanstalk environment by ID.

Type: String

Required: No

**EnvironmentName**

Specify the AWS Elastic Beanstalk environment by name.

Type: String


Required: No

**NextToken**

Specify the pagination token returned by a previous call.

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

**InstanceHealthList.member.N**

Detailed health information about each instance.

Type: Array of SingleInstanceHealth (p. 200) objects
NextToken

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

Type: String

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

RefreshedAt

The date and time that the health information was retrieved.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InvalidRequest

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

HTTP Status Code: 400

Example

Sample Request

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

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

Sample Response

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

See Also

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

- AWS Command Line Interface
See Also

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DescribePlatformVersion

Describes the version of the platform.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

PlatformArn

The ARN of the version of the platform.

Type: String

Required: No

Response Elements

The following element is returned by the service.

PlatformDescription

Detailed information about the version of the platform.

Type: PlatformDescription (p. 190) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InsufficientPrivileges

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

HTTP Status Code: 403

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
See Also

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
ListAvailableSolutionStacks

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

Response Elements

The following elements are returned by the service.

SolutionStackDetails.member.N
A list of available solution stacks and their SolutionStackDescription (p. 202).

Type: Array of SolutionStackDescription (p. 202) objects

SolutionStacks.member.N
A list of available solution stacks.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

Example

Sample Request


Sample Response

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
ListPlatformVersions

Lists the available platforms.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

Filters.member.N

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

Type: Array of PlatformFilter (p. 193) objects

Required: No

MaxRecords

The maximum number of platform values returned in one call.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

NextToken

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

Type: String

Required: No

Response Elements

The following elements are returned by the service.

NextToken

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

Type: String

PlatformSummaryList.member.N

Detailed information about the platforms.

Type: Array of PlatformSummary (p. 196) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).
ElasticBeanstalkService

A generic service exception has occurred.

HTTP Status Code: 400

InsufficientPrivileges

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

HTTP Status Code: 403

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
ListTagsForResource

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

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

ResourceArn

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

Must be the ARN of an Elastic Beanstalk environment.

Type: String

Required: Yes

Response Elements

The following elements are returned by the service.

ResourceArn

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

Type: String

ResourceTags.member.N

A list of tag key-value pairs.

Type: Array of Tag (p. 208) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

InsufficientPrivileges

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

HTTP Status Code: 403

ResourceNotFoundException

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

HTTP Status Code: 400

ResourceTypeNotSupported

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

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
RebuildEnvironment

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

EnvironmentId

The ID of the environment to rebuild.

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

Type: String

Required: No

EnvironmentName

The name of the environment to rebuild.

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

Type: String


Required: No

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

InsufficientPrivileges

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

HTTP Status Code: 403

Example

Sample Request

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

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

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
RequestEnvironmentInfo

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

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

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

Use `RetrieveEnvironmentInfo` (p. 103) to obtain the set of logs.

Related Topics
- `RetrieveEnvironmentInfo` (p. 103)

Request Parameters

For information about the parameters that are common to all actions, see `Common Parameters` (p. 211).

**EnvironmentId**

The ID of the environment of the requested data.

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

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

Type: String

Required: No

**EnvironmentName**

The name of the environment of the requested data.

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

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

Type: String


Required: No

**InfoType**

The type of information to request.

Type: String

Valid Values: `tail | bundle`

Required: Yes
Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

Example

Sample Request

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

Sample Response

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

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
RestartAppServer

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

EnvironmentId

The ID of the environment to restart the server for.

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

Type: String

Required: No

EnvironmentName

The name of the environment to restart the server for.

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

Type: String


Required: No

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

Example

Sample Request


Sample Response

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

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
RetrieveEnvironmentInfo

Retrieves the compiled information from a RequestEnvironmentInfo (p. 99) request.

Related Topics

- RequestEnvironmentInfo (p. 99)

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

EnvironmentId

The ID of the data's environment.

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

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

Type: String

Required: No

EnvironmentName

The name of the data's environment.

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

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

Type: String


Required: No

InfoType

The type of information to retrieve.

Type: String

Valid Values: tail | bundle

Required: Yes

Response Elements

The following element is returned by the service.

EnvironmentInfo.member.N

The EnvironmentInfoDescription (p. 165) of the environment.
Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

Example

Sample Request

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

Sample Response

```
<RetrieveEnvironmentInfoResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <RetrieveEnvironmentInfoResult>
    <EnvironmentInfo>
      <member>
        <Message>
        </Message>
        <SampleTimestamp>2010-11-17T20:40:23.210Z</SampleTimestamp>
        <InfoType>tail</InfoType>
        <Ec2InstanceId>i-92a3ceff</Ec2InstanceId>
      </member>
    </EnvironmentInfo>
  </RetrieveEnvironmentInfoResult>
  <ResponseMetadata>
    <RequestId>e8e785c9-f28a-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</RetrieveEnvironmentInfoResponse>
```

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python

API Version 2010-12-01
104
- AWS SDK for Ruby V2
SwapEnvironmentCNAMEs

Swaps the CNAMEs of two environments.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**DestinationEnvironmentId**

The ID of the destination environment.

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

Type: String

Required: No

**DestinationEnvironmentName**

The name of the destination environment.

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

Type: String


Required: No

**SourceEnvironmentId**

The ID of the source environment.

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

Type: String

Required: No

**SourceEnvironmentName**

The name of the source environment.

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

Type: String


Required: No
Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

Example

Sample Request

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

Sample Response

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

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
Terminates the specified environment.

**Request Parameters**

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

**EnvironmentId**

The ID of the environment to terminate.

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

Type: String

Required: No

**EnvironmentName**

The name of the environment to terminate.

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

Type: String


Required: No

**ForceTerminate**

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

Type: Boolean

Required: No

**TerminateResources**

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

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

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

Default: `true`

Valid Values: `true` | `false`

Type: Boolean

Required: No
Response Elements

The following elements are returned by the service.

**AbortableOperationInProgress**

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

- `true`: There is an update in progress.
- `false`: There are no updates currently in progress.

Type: Boolean

**ApplicationName**

The name of the application associated with this environment.

Type: String

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

**CNAME**

The URL to the CNAME for this environment.

Type: String

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

**DateCreated**

The creation date for this environment.

Type: Timestamp

**DateUpdated**

The last modified date for this environment.

Type: Timestamp

**Description**

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

**EndpointURL**

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

Type: String

**EnvironmentArn**

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

Type: String
EnvironmentId

The ID of this environment.
Type: String

EnvironmentLinks.member.N

A list of links to other environments in the same group.
Type: Array of EnvironmentLink (p. 166) objects

EnvironmentName

The name of this environment.
Type: String

Health

Describes the health status of the environment. AWS Elastic Beanstalk indicates the failure levels for a running environment:
- Red: Indicates the environment is not responsive. Occurs when three or more consecutive failures occur for an environment.
- Yellow: Indicates that something is wrong. Occurs when two consecutive failures occur for an environment.
- Green: Indicates the environment is healthy and fully functional.
- Grey: Default health for a new environment. The environment is not fully launched and health checks have not started or health checks are suspended during an UpdateEnvironment or RestartEnvironment request.

Default: Grey
Type: String
Valid Values: Green | Yellow | Red | Grey

HealthStatus

Returns the health status of the application running in your environment. For more information, see Health Colors and Statuses.
Type: String
Valid Values: NoData | Unknown | Pending | Ok | Info | Warning | Degraded | Severe

PlatformArn

The ARN of the platform.
Type: String

Resources

The description of the AWS resources used by this environment.
Type: EnvironmentResourcesDescription (p. 169) object

SolutionStackName

The name of the SolutionStack deployed with this environment.
Status

The current operational status of the environment:

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

Template Name

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

Type: String

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

Tier

Describes the current tier of this environment.

Type: `EnvironmentTier (p. 170)` object

VersionLabel

The application version deployed in this environment.

Type: String

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

Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

InsufficientPrivileges

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

HTTP Status Code: 403

Example

Sample Request

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

API Version 2010-12-01
Sample Response

```xml
<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>
    <EnvironmentId>e-icsgecu3wf</EnvironmentId>
    <DateUpdated>2010-11-17T17:10:41.976Z</DateUpdated>
    <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>
    <Description>EnvDescrip</Description>
    <EnvironmentName>SampleApp</EnvironmentName>
    <DateCreated>2010-11-17T03:59:33.520Z</DateCreated>
  </TerminateEnvironmentResult>
  <ResponseMetadata>
    <RequestId>9b71af21-f26d-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</TerminateEnvironmentResponse>
```

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
UpdateApplication

Updates the specified application to have the specified properties.

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

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

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

Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Required: Yes

**Description**

A new description for the application.
Default: If not specified, AWS Elastic Beanstalk does not update the description.

Type: String
Length Constraints: Maximum length of 200.
Required: No

**Response Elements**

The following element is returned by the service.

**Application**

The ApplicationDescription (p. 140) of the application.

Type: ApplicationDescription (p. 140) object

**Errors**

For information about the errors that are common to all actions, see Common Errors (p. 213).

**Example**

**Sample Request**

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

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

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
UpdateApplicationResourceLifecycle

Modifies lifecycle settings for an application.

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

The name of the application.

Type: String

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

Required: Yes

**ResourceLifecycleConfig**

The lifecycle configuration.

Type: ApplicationResourceLifecycleConfig (p. 143) object

Required: Yes

**Response Elements**

The following elements are returned by the service.

**ApplicationName**

The name of the application.

Type: String

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

**ResourceLifecycleConfig**

The lifecycle configuration.

Type: ApplicationResourceLifecycleConfig (p. 143) object

**Errors**

For information about the errors that are common to all actions, see Common Errors (p. 213).

**InsufficientPrivileges**

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

HTTP Status Code: 403

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
UpdateApplicationVersion

Updates the specified application version to have the specified properties.

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

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

The name of the application associated with this version.

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

Type: String

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

Required: Yes

**Description**

A new description for this version.

Type: String

Length Constraints: Maximum length of 200.

Required: No

**VersionLabel**

The name of the version to update.

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

Type: String

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

Required: Yes

**Response Elements**

The following element is returned by the service.

**ApplicationVersion**

The ApplicationVersionDescription (p. 144) of the application version.

Type: ApplicationVersionDescription (p. 144) object
Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

Example

Sample Request

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

Sample Response

```
<UpdateApplicationVersionResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <UpdateApplicationVersionResult>
    <ApplicationVersion>
      <SourceBundle>
        <S3Bucket>awsemr</S3Bucket>
        <S3Key>sample.war</S3Key>
      </SourceBundle>
      <VersionLabel>New Version</VersionLabel>
      <Description>New Release Description</Description>
      <ApplicationName>SampleApp</ApplicationName>
      <DateCreated>2010-11-17T19:26:20.699Z</DateCreated>
      <DateUpdated>2010-11-17T20:48:16.632Z</DateUpdated>
    </ApplicationVersion>
  </UpdateApplicationVersionResult>
  <ResponseMetadata>
    <RequestId>00b10a1-f28c-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</UpdateApplicationVersionResponse>
```

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
UpdateConfigurationTemplate

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

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

Related Topics
- DescribeConfigurationOptions (p. 51)

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

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

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

Type: String

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

Required: Yes

**Description**

A new description for the configuration.

Type: String

Length Constraints: Maximum length of 200.

Required: No

**OptionSettings.member.N**

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

Type: Array of ConfigurationOptionSetting (p. 154) objects

Required: No

**OptionsToRemove.member.N**

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

Constraint: You can remove only UserDefined configuration options.

Type: Array of OptionSpecification (p. 189) objects

Required: No

**TemplateName**

The name of the configuration template to update.
If no configuration template is found with this name, UpdateConfigurationTemplate returns an InvalidParameterValue error.

Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Required: Yes

Response Elements

The following elements are returned by the service.

**ApplicationName**

The name of the application associated with this configuration set.

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

**DateCreated**

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

Type: Timestamp

**DateUpdated**

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

Type: Timestamp

**DeploymentStatus**

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

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

Type: String
Valid Values: deployed | pending | failed

**Description**

Describes this configuration set.

Type: String
Length Constraints: Maximum length of 200.

**EnvironmentName**

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

Type: String
OptionSettings.member.N
A list of the configuration options and their values in this configuration set.
Type: Array of ConfigurationOptionSetting (p. 154) objects

PlatformArn
The ARN of the platform.
Type: String

SolutionStackName
The name of the solution stack this configuration set uses.
Type: String

TemplateName
If not null, the name of the configuration template for this configuration set.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.

Errors
For information about the errors that are common to all actions, see Common Errors (p. 213).

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

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

Example

Sample Request

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

Sample Response

<UpdateConfigurationTemplateResponse xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/"
<UpdateConfigurationTemplateResult>
  <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>
  <OptionSettings>
    <member>
      <OptionName>Availability Zones</OptionName>
      <Value>Any 1</Value>
      <Namespace>aws:autoscaling:asg</Namespace>
    </member>
    <member>
      <OptionName>PARAM5</OptionName>
      <Value/>
      <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
    </member>
    <member>
      <OptionName>LowerThreshold</OptionName>
      <Value>1000000</Value>
      <Namespace>aws:autoscaling:trigger</Namespace>
    </member>
    <member>
      <OptionName>UpperThreshold</OptionName>
      <Value>9000000</Value>
      <Namespace>aws:autoscaling:trigger</Namespace>
    </member>
    <member>
      <OptionName>LowerBreachScaleIncrement</OptionName>
      <Value>-1</Value>
      <Namespace>aws:autoscaling:trigger</Namespace>
    </member>
    <member>
      <OptionName>MeasureName</OptionName>
      <Value>NetworkOut</Value>
      <Namespace>aws:autoscaling:trigger</Namespace>
    </member>
    <member>
      <OptionName>Period</OptionName>
      <Value>60</Value>
      <Namespace>aws:autoscaling:trigger</Namespace>
    </member>
    <member>
      <OptionName>Xmx</OptionName>
      <Value>256m</Value>
      <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
    </member>
    <member>
      <OptionName>PARAM3</OptionName>
      <Value/>
      <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
    </member>
    <member>
      <OptionName>EC2KeyName</OptionName>
      <Value/>
      <Namespace>aws:autoscaling:launchconfiguration</Namespace>
    </member>
    <member>
      <OptionName>MinSize</OptionName>
      <Value>1</Value>
      <Namespace>aws:autoscaling:asg</Namespace>
    </member>
    <member>
      <OptionName>JVM Options</OptionName>
      <Value/>
      <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
    </member>
    <member>
      <OptionName>XX:MaxPermSize</OptionName>
      <Value>64m</Value>
    </member>
  </OptionSettings>
</UpdateConfigurationTemplateResult>
<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>
    <member>
      <OptionName>Notification Topic Name</OptionName>
      <Value/>
      <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
    </member>
  </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>
<member>
  <OptionName>LogPublicationControl</OptionName>
  <Value>false</Value>
  <Namespace>aws:elasticbeanstalk:hostmanager</Namespace>
</member>

<member>
  <OptionName>BreachDuration</OptionName>
  <Value>120</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>

<member>
  <OptionName>PARAM1</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
</member>

<member>
  <OptionName>Notification Endpoint</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>

<member>
  <OptionName>Protocol</OptionName>
  <Value>HTTP</Value>
  <Namespace>aws:elb:loadbalancer</Namespace>
</member>

<member>
  <OptionName>Xms</OptionName>
  <Value>256m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>

</OptionSettings>

<Description>changed description</Description>

<ApplicationName>SampleApp</ApplicationName>

<DateCreated>2010-11-17T19:26:20.420Z</DateCreated>

<TemplateName>Default</TemplateName>

<DateUpdated>2010-11-17T20:58:27.508Z</DateUpdated>

</UpdateConfigurationTemplateResult>

<ResponseMetadata>
  <RequestId>6cbcb09a-f28d-11df-8a78-9f77047e0d0c</RequestId>
</ResponseMetadata>

</UpdateConfigurationTemplateResponse>

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
UpdateEnvironment

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

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

When updating the configuration settings to a new template or individual settings, a draft configuration is created and DescribeConfigurationSettings (p. 61) for this environment returns two setting descriptions with different DeploymentStatus values.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

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

Type: String

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

Required: No

**Description**

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

Type: String

Length Constraints: Maximum length of 200.

Required: No

**EnvironmentId**

The ID of the environment to update.

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

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

Type: String

Required: No

**EnvironmentName**

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

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

Type: String
Required: No

**GroupName**

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

Type: String
Required: No

**OptionSettings.member.N**

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

Type: Array of ConfigurationOptionSetting (p. 154) objects
Required: No

**OptionsToRemove.member.N**

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

Type: Array of OptionSpecification (p. 189) objects
Required: No

**PlatformArn**

The ARN of the platform, if used.

Type: String
Required: No

**SolutionStackName**

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

Type: String
Required: No

**TemplateName**

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

Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Required: No

**Tier**

This specifies the tier to use to update the environment.
Condition: At this time, if you change the tier version, name, or type, AWS Elastic Beanstalk returns InvalidParameterValue error.

Type: EnvironmentTier (p. 170) object

Required: No

VersionLabel

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

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

AbortableOperationInProgress

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

true: There is an update in progress.
false: There are no updates currently in progress.

Type: Boolean

ApplicationName

The name of the application associated with this environment.

Type: String

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

CNAME

The URL to the CNAME for this environment.

Type: String

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

DateCreated

The creation date for this environment.

Type: Timestamp

DateUpdated

The last modified date for this environment.

Type: Timestamp

Description

Describes this environment.
Type: String

Length Constraints: Maximum length of 200.

**EndpointURL**

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

Type: String

**EnvironmentArn**

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

Type: String

**EnvironmentId**

The ID of this environment.

Type: String

**EnvironmentLinks.member.N**

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

Type: Array of EnvironmentLink (p. 166) objects

**EnvironmentName**

The name of this environment.

Type: String


**Health**

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

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

Default: Grey

Type: String

Valid Values: Green | Yellow | Red | Grey

**HealthStatus**

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

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

**PlatformArn**

The ARN of the platform.

Type: String

**Resources**

The description of the AWS resources used by this environment.

Type: EnvironmentResourcesDescription (p. 169) object

**SolutionStackName**

The name of the SolutionStack deployed with this environment.

Type: String

**Status**

The current operational status of the environment:

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

Type: String

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

**TemplateName**

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

Type: String

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

**Tier**

Describes the current tier of this environment.

Type: EnvironmentTier (p. 170) object

**VersionLabel**

The application version deployed in this environment.

Type: String

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

## Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

**InsufficientPrivileges**

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

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

HTTP Status Code: 400

---

**Example**

**Sample Request**

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

**Sample Response**

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

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3

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API Version 2010-12-01

131
• AWS SDK for Python
• AWS SDK for Ruby V2
UpdateTagsForResource

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

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

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

elasticbeanstalk:AddTags

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

elasticbeanstalk:RemoveTags

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

For details about creating a custom user policy, see Creating a Custom User Policy.

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

ResourceArn

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

Must be the ARN of an Elastic Beanstalk environment.

Type: String

Required: Yes

TagsToAdd.member.N

A list of tags to add or update.

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

Type: Array of Tag (p. 208) objects

Required: No

TagsToRemove.member.N

A list of tag keys to remove.

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

Type: Array of strings


Required: No
Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

InsufficientPrivileges

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

HTTP Status Code: 403

OperationInProgressFailure

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

HTTP Status Code: 400

ResourceNotFound

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

HTTP Status Code: 400

ResourceTypeNotSupported

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

HTTP Status Code: 400

TooManyTags

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

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
ValidateConfigurationSettings

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

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 211).

**ApplicationName**

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

Type: String

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

Required: Yes

**EnvironmentName**

The name of the environment to validate the settings against.

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

Type: String


Required: No

**OptionSettings.member.N**

A list of the options and desired values to evaluate.

Type: Array of ConfigurationOptionSetting (p. 154) objects

Required: Yes

**TemplateName**

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

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

Type: String

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

Required: No

Response Elements

The following element is returned by the service.
Errors

For information about the errors that are common to all actions, see Common Errors (p. 213).

**InsufficientPrivileges**

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

HTTP Status Code: 403

**TooMany Buckets**

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

HTTP Status Code: 400

Example

Sample Request

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

Sample Response

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

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V2
Data Types

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

**Note**
The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- `ApplicationDescription` (p. 140)
- `ApplicationMetrics` (p. 142)
- `ApplicationResourceLifecycleConfig` (p. 143)
- `ApplicationVersionDescription` (p. 144)
- `ApplicationVersionLifecycleConfig` (p. 146)
- `AutoScalingGroup` (p. 147)
- `BuildConfiguration` (p. 148)
- `Builder` (p. 150)
- `ConfigurationOptionDescription` (p. 151)
- `ConfigurationOptionSetting` (p. 154)
- `ConfigurationSettingsDescription` (p. 155)
- `CPUUtilization` (p. 157)
- `CustomAmi` (p. 159)
- `Deployment` (p. 160)
- `EnvironmentDescription` (p. 161)
- `EnvironmentInfoDescription` (p. 165)
- `EnvironmentLink` (p. 166)
- `EnvironmentResourceDescription` (p. 167)
- `EnvironmentResourcesDescription` (p. 169)
- `EnvironmentTier` (p. 170)
- `EventDescription` (p. 171)
- `Instance` (p. 173)
- `InstanceHealthSummary` (p. 174)
- `Latency` (p. 176)
- `LaunchConfiguration` (p. 178)
- `Listener` (p. 179)
- `LoadBalancer` (p. 180)
- `LoadBalancerDescription` (p. 181)
- `ManagedAction` (p. 182)
- `ManagedActionHistoryItem` (p. 184)
- `MaxAgeRule` (p. 186)
- `MaxCountRule` (p. 187)
- `OptionRestrictionRegex` (p. 188)
- `OptionSpecification` (p. 189)
- `PlatformDescription` (p. 190)
• PlatformFilter (p. 193)
• PlatformFramework (p. 194)
• PlatformProgrammingLanguage (p. 195)
• PlatformSummary (p. 196)
• Queue (p. 198)
• S3Location (p. 199)
• SingleInstanceHealth (p. 200)
• SolutionStackDescription (p. 202)
• SourceBuildInformation (p. 203)
• SourceConfiguration (p. 205)
• StatusCodes (p. 206)
• SystemStatus (p. 207)
• Tag (p. 208)
• Trigger (p. 209)
• ValidationMessage (p. 210)
ApplicationDescription

Describes the properties of an application.

Contents

ApplicationName

The name of the application.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Required: No

ConfigurationTemplates.member.N

The names of the configuration templates associated with this application.
Type: Array of strings
Length Constraints: Minimum length of 1. Maximum length of 100.
Required: No

DateCreated

The date when the application was created.
Type: Timestamp
Required: No

DateUpdated

The date when the application was last modified.
Type: Timestamp
Required: No

Description

User-defined description of the application.
Type: String
Length Constraints: Maximum length of 200.
Required: No

ResourceLifecycleConfig

The lifecycle settings for the application.
Type: ApplicationResourceLifecycleConfig (p. 143) object
Required: No

Versions.member.N

The names of the versions for this application.
Type: Array of strings
Length Constraints: Minimum length of 1. Maximum length of 100.
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
ApplicationMetrics

Application request metrics for an AWS Elastic Beanstalk environment.

Contents

Duration

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

Type: Integer
Required: No

Latency

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

Type: Latency (p. 176) object
Required: No

RequestCount

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

Type: Integer
Required: No

StatusCodes

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

Type: StatusCodes (p. 206) object
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
ApplicationResourceLifecycleConfig

The resource lifecycle configuration for an application. Defines lifecycle settings for resources that belong to the application, and the service role that Elastic Beanstalk assumes in order to apply lifecycle settings. The version lifecycle configuration defines lifecycle settings for application versions.

Contents

ServiceRole

The ARN of an IAM service role that Elastic Beanstalk has permission to assume.

Type: String

Required: No

VersionLifecycleConfig

The application version lifecycle configuration.

Type: ApplicationVersionLifecycleConfig (p. 146) object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
ApplicationVersionDescription

Describes the properties of an application version.

Contents

ApplicationName

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

Type: String

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

Required: No

BuildArn

Reference to the artifact from the AWS CodeBuild build.

Type: String

Required: No

DateCreated

The creation date of the application version.

Type: Timestamp

Required: No

DateUpdated

The last modified date of the application version.

Type: Timestamp

Required: No

Description

The description of the application version.

Type: String

Length Constraints: Maximum length of 200.

Required: No

SourceBuildInformation

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

Type: SourceBuildInformation (p. 203) object

Required: No

SourceBundle

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

Type: S3Location (p. 199) object
Required: No

**Status**

The processing status of the application version.

Type: String

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

Required: No

**VersionLabel**

A unique identifier for the application version.

Type: String

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

Required: No

**See Also**

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
ApplicationVersionLifecycleConfig

The application version lifecycle settings for an application. Defines the rules that Elastic Beanstalk applies to an application's versions in order to avoid hitting the per-region limit for application versions.

When Elastic Beanstalk deletes an application version from its database, you can no longer deploy that version to an environment. The source bundle remains in S3 unless you configure the rule to delete it.

Contents

MaxAgeRule

Specify a max age rule to restrict the length of time that application versions are retained for an application.

Type: MaxAgeRule (p. 186) object

Required: No

MaxCountRule

Specify a max count rule to restrict the number of application versions that are retained for an application.

Type: MaxCountRule (p. 187) object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
AutoScalingGroup

Describes an Auto Scaling launch configuration.

Contents

Name

The name of the AutoScalingGroup.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
BuildConfiguration

Settings for an AWS CodeBuild build.

Contents

**ArtifactName**

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

Type: String

Required: No

**CodeBuildServiceRole**

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

Type: String

Pattern: .*\S.*

Required: Yes

**ComputeType**

Information about the compute resources the build project will use.

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

Type: String

Valid Values: BUILD_GENERAL1_SMALL | BUILD_GENERAL1_MEDIUM | BUILD_GENERAL1_LARGE

Required: No

**Image**

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

Type: String

Pattern: .*\S.*

Required: Yes

**TimeoutInMinutes**

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

Type: Integer

Required: No
See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Builder

The builder used to build the custom platform.

Contents

ARN

The ARN of the builder.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
ConfigurationOptionDescription

Describes the possible values for a configuration option.

Contents

ChangeSeverity

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

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

Type: String
Required: No

DefaultValue

The default value for this configuration option.

Type: String
Required: No

MaxLength

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

Type: Integer
Required: No

MaxValue

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

Type: Integer
Required: No

MinValue

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

Type: Integer
Required: No

Name

The name of the configuration option.

Type: String
Required: No

Namespace

A unique namespace identifying the option's associated AWS resource.
Type: String
Required: No

**Regex**

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

Type: `OptionRestrictionRegex (p. 188)` object
Required: No

**UserDefined**

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

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

Valid Values: `true | false`

Type: Boolean
Required: No

**ValueOptions.member.N**

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

Type: Array of strings
Required: No

**ValueType**

An indication of which type of values this option has and whether it is allowable to select one or more than one of the possible values:
- `Scalar`: Values for this option are a single selection from the possible values, or an unformatted string, or numeric value governed by the `MIN/MAX/Regex` constraints.
- `List`: Values for this option are multiple selections from the possible values.
- `Boolean`: Values for this option are either `true` or `false`.
- `Json`: Values for this option are a JSON representation of a `ConfigDocument`.

Type: String

Valid Values: `Scalar | List`
Required: No

**See Also**

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
ConfigurationOptionSetting

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

Contents

Namespace
A unique namespace identifying the option's associated AWS resource.
Type: String
Required: No

OptionName
The name of the configuration option.
Type: String
Required: No

ResourceName
A unique resource name for a time-based scaling configuration option.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 256.
Required: No

Value
The current value for the configuration option.
Type: String
Required: No

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
ConfigurationSettingsDescription

Describes the settings for a configuration set.

Contents

**ApplicationName**

The name of the application associated with this configuration set.

Type: String

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

Required: No

**DateCreated**

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

Type: Timestamp

Required: No

**DateUpdated**

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

Type: Timestamp

Required: No

**DeploymentStatus**

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

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

Type: String

Valid Values: deployed | pending | failed

Required: No

**Description**

Describes this configuration set.

Type: String

Length Constraints: Maximum length of 200.

Required: No

**EnvironmentName**

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

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

Type: Array of ConfigurationOptionSetting (p. 154) objects

Required: No

PlatformArn

The ARN of the platform.

Type: String

Required: No

SolutionStackName

The name of the solution stack this configuration set uses.

Type: String

Required: No

TemplateName

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

Type: String

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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
CPUUtilization

CPU utilization metrics for an instance.

Contents

Idle

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

Type: Double

Required: No

IOWait

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

Type: Double

Required: No

IRQ

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

Type: Double

Required: No

Nice

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

Type: Double

Required: No

SoftIRQ

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

Type: Double

Required: No

System

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

Type: Double

Required: No

User

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

Type: Double

Required: No
See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
CustomAmi

A custom AMI available to platforms.

Contents

ImageId

The ID of the image used to create the custom AMI.

Type: String

Required: No

VirtualizationType

The type of virtualization used to create the custom AMI.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Deployment

Information about an application version deployment.

Contents

DeploymentId

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

Type: Long
Required: No

DeploymentTime

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

Type: Timestamp
Required: No

Status

The status of the deployment:
- In Progress: The deployment is in progress.
- Deployed: The deployment succeeded.
- Failed: The deployment failed.

Type: String
Required: No

VersionLabel

The version label of the application version in the deployment.

Type: String
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
EnvironmentDescription

Describes the properties of an environment.

Contents

AbortableOperationInProgress

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

true: There is an update in progress.

false: There are no updates currently in progress.

Type: Boolean

Required: No

ApplicationName

The name of the application associated with this environment.

Type: String

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

Required: No

CNAME

The URL to the CNAME for this environment.

Type: String

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

Required: No

DateCreated

The creation date for this environment.

Type: Timestamp

Required: No

DateUpdated

The last modified date for this environment.

Type: Timestamp

Required: No

Description

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

Required: No
**EndpointURL**

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

Type: String

Required: No

**EnvironmentArn**

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

Type: String

Required: No

**EnvironmentId**

The ID of this environment.

Type: String

Required: No

**EnvironmentLinks.member.N**

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

Type: Array of EnvironmentLink objects

Required: No

**EnvironmentName**

The name of this environment.

Type: String


Required: No

**Health**

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

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

Default: Grey

Type: String

Valid Values: Green | Yellow | Red | Grey

Required: No
HealthStatus

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

Type: String

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

Required: No

PlatformArn

The ARN of the platform.

Type: String

Required: No

Resources

The description of the AWS resources used by this environment.

Type: EnvironmentResourcesDescription (p. 169) object

Required: No

SolutionStackName

The name of the SolutionStack deployed with this environment.

Type: String

Required: No

Status

The current operational status of the environment:

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

Type: String

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

Required: No

TemplateName

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

Type: String

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

Required: No

Tier

Describes the current tier of this environment.
Type: EnvironmentTier (p. 170) object

Required: No

VersionLabel

The application version deployed in this environment.

Type: String

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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
EnvironmentInfoDescription

The information retrieved from the Amazon EC2 instances.

Contents

Ec2InstanceId

The Amazon EC2 Instance ID for this information.

Type: String

Required: No

InfoType

The type of information retrieved.

Type: String

Valid Values: tail | bundle

Required: No

Message

The retrieved information.

Type: String

Required: No

SampleTimestamp

The time stamp when this information was retrieved.

Type: Timestamp

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
EnvironmentLink

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

Contents

EnvironmentName

The name of the linked environment (the dependency).

Type: String

Required: No

LinkName

The name of the link.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
EnvironmentResourceDescription

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

Contents

**AutoScalingGroups.member.N**

The `AutoScalingGroups` used by this environment.

Type: Array of `AutoScalingGroup` objects

Required: No

**EnvironmentName**

The name of the environment.

Type: String


Required: No

**Instances.member.N**

The Amazon EC2 instances used by this environment.

Type: Array of `Instance` objects

Required: No

**LaunchConfigurations.member.N**

The Auto Scaling launch configurations in use by this environment.

Type: Array of `LaunchConfiguration` objects

Required: No

**LoadBalancers.member.N**

The LoadBalancers in use by this environment.

Type: Array of `LoadBalancer` objects

Required: No

**Queues.member.N**

The queues used by this environment.

Type: Array of `Queue` objects

Required: No

**Triggers.member.N**

The `AutoScaling` triggers in use by this environment.

Type: Array of `Trigger` objects

Required: No
See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
EnvironmentResourcesDescription

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

Contents

LoadBalancer

Describes the LoadBalancer.

Type: LoadBalancerDescription (p. 181) object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
EnvironmentTier

Describes the properties of an environment tier

Contents

Name

The name of this environment tier.
Type: String
Required: No

Type

The type of this environment tier.
Type: String
Required: No

Version

The version of this environment tier.
Type: String
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
EventDescription

Describes an event.

Contents

**ApplicationName**

The application associated with the event.

Type: String

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

Required: No

**EnvironmentName**

The name of the environment associated with this event.

Type: String


Required: No

**EventDate**

The date when the event occurred.

Type: Timestamp

Required: No

**Message**

The event message.

Type: String

Required: No

**PlatformArn**

The ARN of the platform.

Type: String

Required: No

**RequestId**

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

Type: String

Required: No

**Severity**

The severity level of this event.

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

Required: No

TemplateName

The name of the configuration associated with this event.

Type: String

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

Required: No

VersionLabel

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

Type: String

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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Instance

The description of an Amazon EC2 instance.

Contents

Id

The ID of the Amazon EC2 instance.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
InstanceHealthSummary

Represents summary information about the health of an instance. For more information, see Health Colors and Statuses.

Contents

Degraded

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

Type: Integer
Required: No

Info

Green. An operation is in progress on an instance.

Type: Integer
Required: No

NoData

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

Type: Integer
Required: No

Ok

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

Type: Integer
Required: No

Pending

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

Type: Integer
Required: No

Severe

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

Type: Integer
Required: No

Unknown

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

Type: Integer
**Warning**

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

Type: Integer

Required: No

**See Also**

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Latency

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

Contents

**P10**

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

Type: Double

Required: No

**P50**

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

Type: Double

Required: No

**P75**

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

Type: Double

Required: No

**P85**

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

Type: Double

Required: No

**P90**

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

Type: Double

Required: No

**P95**

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

Type: Double

Required: No

**P99**

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

Type: Double

Required: No

**P999**

The average latency for the slowest 0.1 percent of requests over the last 10 seconds.
Type: Double
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
LaunchConfiguration

Describes an Auto Scaling launch configuration.

Contents

Name

The name of the launch configuration.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Listener

Describes the properties of a Listener for the LoadBalancer.

Contents

Port

The port that is used by the Listener.

Type: Integer

Required: No

Protocol

The protocol that is used by the Listener.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
LoadBalancer

Describes a LoadBalancer.

Contents

Name

The name of the LoadBalancer.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
LoadBalancerDescription

Describes the details of a LoadBalancer.

Contents

Domain

The domain name of the LoadBalancer.

Type: String

Required: No

Listeners.member.N

A list of Listeners used by the LoadBalancer.

Type: Array of Listener (p. 179) objects

Required: No

LoadBalancerName

The name of the LoadBalancer.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
ManagedAction

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

Contents

**ActionDescription**

A description of the managed action.

Type: String

Required: No

**ActionId**

A unique identifier for the managed action.

Type: String

Required: No

**ActionType**

The type of managed action.

Type: String

Valid Values: InstanceRefresh | PlatformUpdate | Unknown

Required: No

**Status**

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

Type: String

Valid Values: Scheduled | Pending | Running | Unknown

Required: No

**WindowStartTime**

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

Type: Timestamp

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
ManagedActionHistoryItem

The record of a completed or failed managed action.

Contents

**ActionDescription**

A description of the managed action.

Type: String

Required: No

**ActionId**

A unique identifier for the managed action.

Type: String

Required: No

**ActionType**

The type of the managed action.

Type: String

Valid Values: InstanceRefresh | PlatformUpdate | Unknown

Required: No

**ExecutedTime**

The date and time that the action started executing.

Type: Timestamp

Required: No

**FailureDescription**

If the action failed, a description of the failure.

Type: String

Required: No

**FailureType**

If the action failed, the type of failure.

Type: String

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

Required: No

**FinishedTime**

The date and time that the action finished executing.
See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
MaxAgeRule

A lifecycle rule that deletes application versions after the specified number of days.

Contents

DeleteSourceFromS3

Set to true to delete a version's source bundle from Amazon S3 when Elastic Beanstalk deletes the application version.

Type: Boolean
Required: No

Enabled

Specify true to apply the rule, or false to disable it.

Type: Boolean
Required: Yes

MaxAgeInDays

Specify the number of days to retain an application versions.

Type: Integer
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
MaxCountRule

A lifecycle rule that deletes the oldest application version when the maximum count is exceeded.

Contents

DeleteSourceFromS3

Set to true to delete a version's source bundle from Amazon S3 when Elastic Beanstalk deletes the application version.

Type: Boolean

Required: No

Enabled

Specify true to apply the rule, or false to disable it.

Type: Boolean

Required: Yes

MaxCount

Specify the maximum number of application versions to retain.

Type: Integer

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
OptionRestrictionRegex

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

Contents

Label

A unique name representing this regular expression.

Type: String

Required: No

Pattern

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

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
OptionSpecification

A specification identifying an individual configuration option.

Contents

Namespace

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

Type: String
Required: No

OptionName

The name of the configuration option.

Type: String
Required: No

ResourceName

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

Type: String
Length Constraints: Minimum length of 1. Maximum length of 256.
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
PlatformDescription

Detailed information about a platform.

Contents

CustomAmiList.member.N

The custom AMIs supported by the platform.

Type: Array of CustomAmi (p. 159) objects

Required: No

DateCreated

The date when the platform was created.

Type: Timestamp

Required: No

DateUpdated

The date when the platform was last updated.

Type: Timestamp

Required: No

Description

The description of the platform.

Type: String

Length Constraints: Maximum length of 200.

Required: No

Frameworks.member.N

The frameworks supported by the platform.

Type: Array of PlatformFramework (p. 194) objects

Required: No

Maintainer

Information about the maintainer of the platform.

Type: String

Required: No

OperatingSystemName

The operating system used by the platform.

Type: String

Required: No
OperatingSystemVersion
The version of the operating system used by the platform.
Type: String
Required: No

PlatformArn
The ARN of the platform.
Type: String
Required: No

PlatformCategory
The category of the platform.
Type: String
Required: No

PlatformName
The name of the platform.
Type: String
Required: No

PlatformOwner
The AWS account ID of the person who created the platform.
Type: String
Required: No

PlatformStatus
The status of the platform.
Type: String
Valid Values: Creating | Failed | Ready | Deleting | Deleted
Required: No

PlatformVersion
The version of the platform.
Type: String
Required: No

ProgrammingLanguages.member.N
The programming languages supported by the platform.
Type: Array of PlatformProgrammingLanguage (p. 195) objects
Required: No

SolutionStackName
The name of the solution stack used by the platform.
Type: String
Required: No

**SupportedAddonList.member.N**

The additions supported by the platform.

Type: Array of strings
Required: No

**SupportedTierList.member.N**

The tiers supported by the platform.

Type: Array of strings
Required: No

### See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
PlatformFilter

Specify criteria to restrict the results when listing custom platforms.

The filter is evaluated as the expression:

Type Operator Values[i]

Contents

Operator

The operator to apply to the Type with each of the Values.

Valid Values: = (equal to) | != (not equal to) | < (less than) | <= (less than or equal to) | > (greater than) | >= (greater than or equal to) | contains | begins_with | ends_with

Type: String

Required: No

Type

The custom platform attribute to which the filter values are applied.

Valid Values: PlatformName | PlatformVersion | PlatformStatus | PlatformOwner

Type: String

Required: No

Values.member.N

The list of values applied to the custom platform attribute.

Type: Array of strings

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
PlatformFramework

A framework supported by the custom platform.

Contents

Name

The name of the framework.

Type: String

Required: No

Version

The version of the framework.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
PlatformProgrammingLanguage

A programming language supported by the platform.

Contents

Name

The name of the programming language.

Type: String

Required: No

Version

The version of the programming language.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
PlatformSummary

Detailed information about a platform.

Contents

OperatingSystemName

The operating system used by the platform.

Type: String

Required: No

OperatingSystemVersion

The version of the operating system used by the platform.

Type: String

Required: No

PlatformArn

The ARN of the platform.

Type: String

Required: No

PlatformCategory

The category of platform.

Type: String

Required: No

PlatformOwner

The AWS account ID of the person who created the platform.

Type: String

Required: No

PlatformStatus

The status of the platform. You can create an environment from the platform once it is ready.

Type: String

Valid Values: Creating | Failed | Ready | Deleting | Deleted

Required: No

SupportedAddonList.member.N

The additions associated with the platform.

Type: Array of strings

Required: No
**SupportedTierList.member.N**

The tiers in which the platform runs.

Type: Array of strings

Required: No

**See Also**

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Queue

Describes a queue.

Contents

Name

The name of the queue.
Type: String
Required: No

URL

The URL of the queue.
Type: String
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
S3Location

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

Contents

S3Bucket

The Amazon S3 bucket where the data is located.

Type: String

Length Constraints: Maximum length of 255.

Required: No

S3Key

The Amazon S3 key where the data is located.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
SingleInstanceHealth

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

Contents

ApplicationMetrics

Request metrics from your application.

Type: ApplicationMetrics (p. 142) object

Required: No

AvailabilityZone

The availability zone in which the instance runs.

Type: String

Required: No

Causes.member.N

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

Type: Array of strings

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

Required: No

Color

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

Type: String

Required: No

Deployment

Information about the most recent deployment to an instance.

Type: Deployment (p. 160) object

Required: No

HealthStatus

Returns the health status of the specified instance. For more information, see Health Colors and Statuses.

Type: String

Required: No

InstanceId

The ID of the Amazon EC2 instance.

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

Required: No

**InstanceType**

The instance's type.

Type: String

Required: No

**LaunchedAt**

The time at which the EC2 instance was launched.

Type: Timestamp

Required: No

**System**

Operating system metrics from the instance.

Type: SystemStatus (p. 207) object

Required: No

**See Also**

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
SolutionStackDescription

Describes the solution stack.

Contents

PermittedFileTypes.member.N

The permitted file types allowed for a solution stack.

Type: Array of strings

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

Required: No

SolutionStackName

The name of the solution stack.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
SourceBuildInformation

Location of the source code for an application version.

Contents

SourceLocation

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

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

Type: String

Pattern: .+/.
Required: Yes

SourceRepository

Location where the repository is stored.

- CodeCommit
- S3

Type: String

Valid Values: CodeCommit | S3

Required: Yes

SourceType

The type of repository.

- Git
- Zip

Type: String

Valid Values: Git | Zip

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
SourceConfiguration

A specification for an environment configuration

Contents

**ApplicationName**

The name of the application associated with the configuration.

Type: String

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

Required: No

**TemplateName**

The name of the configuration template.

Type: String

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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
StatusCodes

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

Contents

**Status2xx**

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

*Type: Integer*

*Required: No*

**Status3xx**

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

*Type: Integer*

*Required: No*

**Status4xx**

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

*Type: Integer*

*Required: No*

**Status5xx**

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

*Type: Integer*

*Required: No*

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
SystemStatus

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

Contents

CPUUtilization

CPU utilization metrics for the instance.

Type: CPUUtilization (p. 157) object

Required: No

LoadAverage.member.N

Load average in the last 1-minute, 5-minute, and 15-minute periods. For more information, see Operating System Metrics.

Type: Array of doubles

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Tag

Describes a tag applied to a resource in an environment.

Contents

Key

The key of the tag.
Type: String
Required: No

Value

The value of the tag.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 256.
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Trigger

Describes a trigger.

Contents

Name

The name of the trigger.
Type: String
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
ValidationMessage

An error or warning for a desired configuration option value.

Contents

Message

A message describing the error or warning.

Type: String

Required: No

Namespace

The namespace to which the option belongs.

Type: String

Required: No

OptionName

The name of the option.

Type: String

Required: No

Severity

An indication of the severity of this message:

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

Type: String

Valid Values: error | warning

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signature Version 4 Signing Process in the Amazon Web Services General Reference.

**Action**

The action to be performed.

Type: string  
Required: Yes

**Version**

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

Type: string  
Required: Yes

**X-Amz-Algorithm**

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

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

Type: string  
Valid Values: AWS4-HMAC-SHA256

Required: Conditional

**X-Amz-Credential**

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

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

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

Type: string  
Required: Conditional

**X-Amz-Date**

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

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

Type: string
Required: Conditional

**X-Amz-Security-Token**

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS Security Token Service, go to AWS Services That Work with IAM in the IAM User Guide.

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

Type: string
Required: Conditional

**X-Amz-Signature**

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

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

Type: string
Required: Conditional

**X-Amz-SignedHeaders**

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

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

Type: string
Required: Conditional
Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

**AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

**IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 400

**InternalFailure**

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

HTTP Status Code: 500

**InvalidAction**

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

HTTP Status Code: 400

**InvalidClientTokenId**

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

HTTP Status Code: 403

**InvalidParameterCombination**

Parameters that must not be used together were used together.

HTTP Status Code: 400

**InvalidParameterValue**

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

HTTP Status Code: 400

**InvalidQueryParameter**

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

HTTP Status Code: 400

**MalformedQueryString**

The query string contains a syntax error.

HTTP Status Code: 404

**MissingAction**

The request is missing an action or a required parameter.

HTTP Status Code: 400
**MissingAuthenticationToken**

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

HTTP Status Code: 403

**MissingParameter**

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

**OptInRequired**

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

HTTP Status Code: 403

**RequestExpired**

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

HTTP Status Code: 400

**ServiceUnavailable**

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

HTTP Status Code: 503

**ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

**ValidationError**

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

HTTP Status Code: 400