aws

AWS Elastic Beanstalk

API Version 2010-12-01

AWS Elastic Beanstalk: API Reference

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Welcome

AWS Elastic Beanstalk makes it easy for you to create, deploy, and manage scalable, fault-tolerant applications running on the AWS 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 https://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 July 2, 2024.

Actions

The following actions are supported:

- AbortEnvironmentUpdate
- ApplyEnvironmentManagedAction
- AssociateEnvironmentOperationsRole
- CheckDNSAvailability
- ComposeEnvironments
- CreateApplication
- CreateApplicationVersion
- CreateConfigurationTemplate
- CreateEnvironment
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- UpdateEnvironment
- UpdateTagsForResource
- ValidateConfigurationSettings

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.

EnvironmentId

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

Type: String

Required: No

EnvironmentName

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

Type: String

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

Required: No

Errors

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

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:

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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.

Request Parameters

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

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](#).

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

AssociateEnvironmentOperationsRole

> ⚠️ **Important**
>
> The operations role feature of AWS Elastic Beanstalk is in beta release and is subject to change.

Add or change the operations role used by an environment. After this call is made, Elastic Beanstalk uses the associated operations role for permissions to downstream services during subsequent calls acting on this environment.

Request Parameters

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

EnvironmentName

The name of the environment to which to set the operations role.

Type: String

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

Required: Yes

OperationsRole

The Amazon Resource Name (ARN) of an existing IAM role to be used as the environment's operations role.

Type: String

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

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 or more AWS services.

HTTP Status Code: 403

Examples

Example

This example illustrates one usage of AssociateEnvironmentOperationsRole.

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?EnvironmentName=MyEnv
&OperationsRole=arn:aws:iam::123456789012:role/MyOpsRole
&Operation=AssociateEnvironmentOperationsRole
&AuthParams
```

Sample Response

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

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 v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CheckDNSAvailability

Checks if the specified CNAME is available.

Request Parameters

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

CNAMEPrefix

The prefix used when this CNAME is reserved.

Type: String

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

Required: Yes

Response Elements

The following elements are returned by the service.

Available

Indicates if the specified CNAME is available:

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

Type: Boolean

FullyQualifiedCNAME

The fully qualified CNAME to reserve when [CreateEnvironment](#) 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](#).

Examples

Example

This example illustrates one usage of CheckDNSAvailability.

Sample Request

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

Sample Response

```
<CheckDNSAvailabilityResponse xmlns="https://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
  <CheckDNSAvailabilityResult>
    <FullyQualifiedCNAME>sampleapplication.elasticbeanstalk.amazonaws.com</
FullyQualifiedCNAME>
    <Available>true</Available>
  </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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

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.

ApplicationName

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

Type: String

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

Required: No

GroupName

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

Type: String

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

Required: No

VersionLabels.member.N

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

Type: Array of strings

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

Required: No

Response Elements

The following 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](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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](#).

ApplicationName

The name of the application. Must be unique within your account.

Type: String

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

Required: Yes

Description

Your description of the application.

Type: String

Length Constraints: Maximum length of 200.

Required: No

ResourceLifecycleConfig

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

Type: [ApplicationResourceLifecycleConfig](#) object

Required: No

Tags.member.N

Specifies the tags applied to the application.

Elastic Beanstalk applies these tags only to the application. Environments that you create in the application don't inherit the tags.

Type: Array of [Tag](#) objects

Required: No

Response Elements

The following element is returned by the service.

Application

The ApplicationDescription of the application.

Type: ApplicationDescription object

Errors

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

TooManyApplications

The specified account has reached its limit of applications.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of CreateApplication.

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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 Amazon S3 with `SourceBundle`

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

> ⓘ **Note**
>
> After you create an application version with a specified Amazon S3 bucket and key location, you can't 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](#).

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](#) object

Required: No

Description

A description of this application version.

Type: String

Length Constraints: Maximum length of 200.

Required: No

Process

Pre-processes 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.

You must turn processing on for application versions that you create using AWS CodeBuild or AWS CodeCommit. For application versions built from a source bundle in Amazon S3, processing is optional.

> ⓘ **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 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.
> Unless you're specifying a source bundle in the bucket that Elastic Beanstalk
> manages in your account, you must assign a custom policy to your user, and grant
> `Allow` permission to the `s3:Get*` actions on your S3 object resource, for example,
> `arn:aws:s3:::your-bucket/your-source-bundle-object`.

Specify a source bundle in Amazon 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 object

Required: No

Tags.member.N

Specifies the tags applied to the application version.

Elastic Beanstalk applies these tags only to the application version. Environments that use the application version don't inherit the tags.

Type: Array of [Tag](Tag) objects

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 of the application version.

Type: ApplicationVersionDescription object

Errors

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

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 or 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

Examples

Example

This example illustrates one usage of CreateApplicationVersion.

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>
      <SourceBundle>
        <S3Bucket>amazonaws.com</S3Bucket>
        <S3Key>sample.war</S3Key>
      </SourceBundle>
      <VersionLabel>Version1</VersionLabel>
      <Description>description</Description>
```

```
      <ApplicationName>SampleApp</ApplicationName>
      <DateCreated>2010-11-17T03:21:59.161Z</DateCreated>
      <DateUpdated>2010-11-17T03:21:59.161Z</DateUpdated>
    </ApplicationVersion>
  </CreateApplicationVersionResult>
  <ResponseMetadata>
    <RequestId>d653efef-f1f9-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</CreateApplicationVersionResponse>
```

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateConfigurationTemplate

Creates an AWS Elastic Beanstalk configuration template, associated with a specific Elastic Beanstalk application. You define application configuration settings in a configuration template. You can then use the configuration template to deploy different versions of the application with the same configuration settings.

Templates aren't associated with any environment. The `EnvironmentName` response element is always `null`.

Related Topics

- [DescribeConfigurationOptions](#)

- [DescribeConfigurationSettings](#)

- [ListAvailableSolutionStacks](#)

Request Parameters

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

ApplicationName

   The name of the Elastic Beanstalk application to associate with this configuration template.

   Type: String

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

   Required: Yes

Description

   An optional description for this configuration.

   Type: String

   Length Constraints: Maximum length of 200.

   Required: No

EnvironmentId

The ID of an environment whose settings you want to use to create the configuration template. You must specify `EnvironmentId` if you don't specify `PlatformArn`, `SolutionStackName`, or `SourceConfiguration`.

Type: String

Required: No

OptionSettings.member.N

Option values for the Elastic Beanstalk configuration, such as the instance type. If specified, these values override the values obtained from the solution stack or the source configuration template. For a complete list of Elastic Beanstalk configuration options, see Option Values in the *AWS Elastic Beanstalk Developer Guide*.

Type: Array of ConfigurationOptionSetting objects

Required: No

PlatformArn

The Amazon Resource Name (ARN) of the custom platform. For more information, see Custom Platforms in the *AWS Elastic Beanstalk Developer Guide*.

> ⓘ **Note**
>
> If you specify `PlatformArn`, then don't specify `SolutionStackName`.

Type: String

Required: No

SolutionStackName

The name of an Elastic Beanstalk solution stack (platform version) that this configuration uses. For example, `64bit Amazon Linux 2013.09 running Tomcat 7 Java 7`. A solution stack specifies the operating system, runtime, and application server for a configuration template. It also determines the set of configuration options as well as the possible and default values. For more information, see Supported Platforms in the *AWS Elastic Beanstalk Developer Guide*.

You must specify `SolutionStackName` if you don't specify `PlatformArn`, `EnvironmentId`, or `SourceConfiguration`.

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

Type: String

Required: No

SourceConfiguration

An Elastic Beanstalk configuration template to base this one on. If specified, Elastic Beanstalk uses the configuration values from the specified configuration template to create a new configuration.

Values specified in `OptionSettings` override any values obtained from the `SourceConfiguration`.

You must specify `SourceConfiguration` if you don't specify `PlatformArn`, `EnvironmentId`, or `SolutionStackName`.

Constraint: If both solution stack name and source configuration are specified, the solution stack of the source configuration template must match the specified solution stack name.

Type: [SourceConfiguration](#) object

Required: No

Tags.member.N

Specifies the tags applied to the configuration template.

Type: Array of [Tag](#) objects

Required: No

TemplateName

The name of the configuration template.

Constraint: This name must be unique per application.

Type: String

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

Required: Yes

Response Elements

The following elements are returned by the service.

ApplicationName

The name of the application associated with this configuration set.

Type: String

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

DateCreated

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

Type: Timestamp

DateUpdated

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

Type: Timestamp

DeploymentStatus

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

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

Type: String

Valid Values: `deployed | pending | failed`

Description

Describes this configuration set.

Type: String

Length Constraints: Maximum length of 200.

EnvironmentName

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

Type: String

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

OptionSettings.member.N

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

Type: Array of [ConfigurationOptionSetting](#) objects

PlatformArn

The ARN of the platform version.

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](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or 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

Examples

Example

This example illustrates one usage of CreateConfigurationTemplate.

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

```
          <Value/>
          <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
      </member>
      <member>
          <OptionName>MeasureName</OptionName>
          <Value>NetworkOut</Value>
          <Namespace>aws:autoscaling:trigger</Namespace>
      </member>
      <member>
          <OptionName>Interval</OptionName>
          <Value>30</Value>
          <Namespace>aws:elb:healthcheck</Namespace>
      </member>
      <member>
          <OptionName>Application Healthcheck URL</OptionName>
          <Value>/</Value>
          <Namespace>aws:elasticbeanstalk:application</Namespace>
      </member>
      <member>
          <OptionName>Notification Topic ARN</OptionName>
          <Value/>
          <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
      </member>
      <member>
          <OptionName>LowerBreachScaleIncrement</OptionName>
          <Value>-1</Value>
          <Namespace>aws:autoscaling:trigger</Namespace>
      </member>
      <member>
          <OptionName>XX:MaxPermSize</OptionName>
          <Value>64m</Value>
          <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
      </member>
      <member>
          <OptionName>UpperBreachScaleIncrement</OptionName>
          <Value>1</Value>
          <Namespace>aws:autoscaling:trigger</Namespace>
      </member>
      <member>
          <OptionName>MinSize</OptionName>
          <Value>1</Value>
          <Namespace>aws:autoscaling:asg</Namespace>
      </member>
      <member>
```

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

```
  <member>
    <OptionName>MonitoringInterval</OptionName>
    <Value>5 minute</Value>
    <Namespace>aws:autoscaling:launchconfiguration</Namespace>
  </member>
  <member>
    <OptionName>PARAM1</OptionName>
    <Value/>
    <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
  </member>
  <member>
    <OptionName>MaxSize</OptionName>
    <Value>4</Value>
    <Namespace>aws:autoscaling:asg</Namespace>
  </member>
  <member>
    <OptionName>LowerThreshold</OptionName>
    <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>
        <Value/>
        <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
      </member>
      <member>
        <OptionName>HealthyThreshold</OptionName>
        <Value>3</Value>
        <Namespace>aws:elb:healthcheck</Namespace>
      </member>
      <member>
        <OptionName>SSLCertificateId</OptionName>
        <Value/>
```

```
            <Namespace>aws:elb:loadbalancer</Namespace>
        </member>
    </OptionSettings>
    <Description>ConfigTemplateDescription</Description>
    <ApplicationName>SampleApp</ApplicationName>
    <DateCreated>2010-11-17T03:48:19.640Z</DateCreated>
    <TemplateName>AppTemplate</TemplateName>
    <DateUpdated>2010-11-17T03:48:19.640Z</DateUpdated>
  </CreateConfigurationTemplateResult>
  <ResponseMetadata>
    <RequestId>846cd905-f1fd-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</CreateConfigurationTemplateResponse>
```

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateEnvironment

Launches an AWS Elastic Beanstalk 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](#).

ApplicationName

The name of the application that is associated with this environment.

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 in your Elastic Beanstalk environment URL. If not specified, the CNAME is generated automatically by appending a random alphanumeric string to the environment name.

Type: String

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

Required: No

Description

Your description for this environment.

Type: String

Length Constraints: Maximum length of 200.

Required: No

EnvironmentName

A unique name for the environment.

Constraint: Must be from 4 to 40 characters in length. The name can contain only letters, numbers, and hyphens. It can't 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, Elastic Beanstalk returns an `InvalidParameterValue` error.

If you don't specify the `CNAMEPrefix` parameter, the environment name becomes part of the CNAME, and therefore part of the visible URL for your application.

Type: String

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

Required: No

GroupName

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

Type: String

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

Required: No

OperationsRole

> ⚠️ **Important**
>
> The operations role feature of AWS Elastic Beanstalk is in beta release and is subject to change.

The Amazon Resource Name (ARN) of an existing IAM role to be used as the environment's operations role. If specified, Elastic Beanstalk uses the operations role for permissions to downstream services during this call and during subsequent calls acting on this environment. To specify an operations role, you must have the `iam:PassRole` permission for the role.

Type: String

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

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](#) 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](#) objects

Required: No

PlatformArn

The Amazon Resource Name (ARN) of the custom platform to use with the environment. For more information, see [Custom Platforms](#) in the *AWS Elastic Beanstalk Developer Guide*.

> ⓘ **Note**
>
>   If you specify `PlatformArn`, don't specify `SolutionStackName`.

Type: String

Required: No

SolutionStackName

The name of an Elastic Beanstalk solution stack (platform version) to use with the environment. If specified, Elastic Beanstalk sets the configuration values to the default values associated with the specified solution stack. For a list of current solution stacks, see [Elastic Beanstalk Supported Platforms](#) in the *AWS Elastic Beanstalk Platforms* guide.

> ⓘ **Note**
>
>   If you specify `SolutionStackName`, don't specify `PlatformArn` or `TemplateName`.

Type: String

Required: No

Tags.member.N

Specifies the tags applied to resources in the environment.

Type: Array of Tag objects

Required: No

TemplateName

The name of the Elastic Beanstalk configuration template to use with the environment.

> ⓘ **Note**
>
>   If you specify `TemplateName`, then don't specify `SolutionStackName`.

Type: String

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

Required: No

Tier

Specifies the tier to use in creating this environment. The environment tier that you choose determines whether Elastic Beanstalk provisions resources to support a web application that handles HTTP(S) requests or a web application that handles background-processing tasks.

Type: EnvironmentTier object

Required: No

VersionLabel

The name of the application version to deploy.

Default: If not specified, Elastic Beanstalk attempts to deploy the sample application.

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](#) objects

EnvironmentName

The name of this environment.

Type: String

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

Health

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

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

Default: `Grey`

Type: String

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

HealthStatus

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

Type: String

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

OperationsRole

> ⚠ **Important**
>
> The operations role feature of AWS Elastic Beanstalk is in beta release and is subject to change.

The Amazon Resource Name (ARN) of the environment's operations role.

Type: String

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

PlatformArn

The ARN of the platform version.

Type: String

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) object

SolutionStackName

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

Type: String

Status

The current operational status of the environment:

- `Aborting`: Environment is in the process of aborting a deployment.
- `Launching`: Environment is in the process of initial deployment.
- `LinkingFrom`: Environment is in the process of being linked to by another environment. See [Environment links](#) for details.
- `LinkingTo`: Environment is in the process of linking to another environment. See [Environment links](#) for details.
- `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: `Aborting` | `Launching` | `Updating` | `LinkingFrom` | `LinkingTo` | `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 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.

InsufficientPrivileges

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

HTTP Status Code: 403

TooManyEnvironments

The specified account has reached its limit of environments.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of CreateEnvironment.

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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.

EnvironmentName

The name of the builder environment.

Type: String

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

Required: No

OptionSettings.member.N

The configuration option settings to apply to the builder environment.

Type: Array of ConfigurationOptionSetting objects

Required: No

PlatformDefinitionBundle

The location of the platform definition archive in Amazon S3.

Type: S3Location 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

Tags.member.N

Specifies the tags applied to the new platform version.

Elastic Beanstalk applies these tags only to the platform version. Environments that you create using the platform version don't inherit the tags.

Type: Array of [Tag](#) objects

Required: No

Response Elements

The following elements are returned by the service.

Builder

The builder used to create the custom platform.

Type: [Builder](#) object

PlatformSummary

Detailed information about the new version of the custom platform.

Type: [PlatformSummary](#) object

Errors

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

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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](#).

InsufficientPrivileges

The specified account does not have sufficient privileges for one or 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

Examples

Example

This example illustrates one usage of CreateStorageLocation.

Sample Request

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

Sample Response

```
        <CreateStorageLocationResponse xmlns="https://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
  <CreateStorageLocationResult>
    <S3Bucket>elasticbeanstalk-us-east-1-780612358023</S3Bucket>
  </CreateStorageLocationResult>
  <ResponseMetadata>
    <RequestId>ef51b94a-f1d6-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</CreateStorageLocationResponse>
```

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

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](#).

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](#).

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

Examples

Example

This example illustrates one usage of DeleteApplication.

Sample Request

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

Sample Response

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

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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 or 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

Examples

Example

This example illustrates one usage of DeleteApplicationVersion.

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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](#).

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](#).

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

Examples

Example

This example illustrates one usage of DeleteConfigurationTemplate.

Sample Request

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

Sample Response

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

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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](#) 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](#).

ApplicationName

The name of the application the environment is associated with.

Type: String

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

Required: Yes

EnvironmentName

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

Type: String

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

Required: Yes

Errors

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

Examples

Example

This example illustrates one usage of DeleteEnvironmentConfiguration.

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-8a78-9f77047e0d0c</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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

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](#).

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](#) object

Errors

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

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

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribeAccountAttributes

Returns attributes related to AWS Elastic Beanstalk that are associated with the calling AWS account.

The result currently has one set of attributes—resource quotas.

This action only returns information about resources that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of three resources. When the user calls the this action, the response will only include the one resource that the user has permission to access instead of all three resources. If the user doesn't have access to any of the resources an empty result is returned.

> ⓘ **Note**
>
> The [AWSElasticBeanstalkReadOnly](#) managed policy allows operators to view information about resources related to Elastic Beanstalk. For more information, see [Managing Elastic Beanstalk user policies](#) in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section [Controlling access with managed policies](#) in the same topic.

Response Elements

The following element is returned by the service.

ResourceQuotas

The Elastic Beanstalk resource quotas associated with the calling AWS account.

Type: [ResourceQuotas](#) object

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 or more AWS services.

HTTP Status Code: 403

Examples

Example

This example illustrates one usage of DescribeAccountAttributes.

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?Operation=DescribeAccountAttributes
&AuthParams
```

Sample Response

```
<DescribeAccountAttributesResponse xmlns="http://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
  <DescribeAccountAttributesResult>
    <ResourceQuotas>
      <ConfigurationTemplateQuota>
        <Maximum>2000</Maximum>
      </ConfigurationTemplateQuota>
      <ApplicationVersionQuota>
        <Maximum>1000</Maximum>
      </ApplicationVersionQuota>
      <CustomPlatformQuota>
        <Maximum>50</Maximum>
      </CustomPlatformQuota>
      <EnvironmentQuota>
        <Maximum>200</Maximum>
      </EnvironmentQuota>
      <ApplicationQuota>
        <Maximum>75</Maximum>
      </ApplicationQuota>
    </ResourceQuotas>
  </DescribeAccountAttributesResult>
  <ResponseMetadata>
    <RequestId>24fc4d65-1308-49e6-9b85-a0a8838f3b4b</RequestId>
  </ResponseMetadata>
</DescribeAccountAttributesResponse>
```

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribeApplications

Returns the descriptions of existing applications.

This action only returns information about applications that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access two of three applications. When the user calls the *DescribeApplications* action, the response will only include the two applications that the user has permission to access instead of all three applications. If the user doesn't have access to any of the applications an empty result is returned.

> ⓘ **Note**
>
> The *AWSElasticBeanstalkReadOnly* managed policy allows operators to view information about resources related to Elastic Beanstalk environments. For more information, see [Managing Elastic Beanstalk user policies](#) in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section [Controlling access with managed policies](#) in the same topic.

Request Parameters

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

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.

Type: Array of ApplicationDescription objects

Errors

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

Examples

Example

This example illustrates one usage of DescribeApplications.

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/>
        <Description>Sample Description</Description>
        <ApplicationName>SampleApplication</ApplicationName>
        <DateCreated>2010-11-16T20:20:51.974Z</DateCreated>
        <DateUpdated>2010-11-16T20:20:51.974Z</DateUpdated>
        <ConfigurationTemplates>
          <member>Default</member>
        </ConfigurationTemplates>
      </member>
    </Applications>
```

```
      </DescribeApplicationsResult>
      <ResponseMetadata>
        <RequestId>577c70ff-f1d7-11df-8a78-9f77047e0d0c</RequestId>
      </ResponseMetadata>
  </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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribeApplicationVersions

Retrieve a list of application versions.

This action only returns information about resources that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of three resources. When the user calls the this action, the response will only include the one resource that the user has permission to access instead of all three resources. If the user doesn't have access to any of the resources an empty result is returned.

> ⓘ **Note**
>
> The [AWSElasticBeanstalkReadOnly](#) managed policy allows operators to view information about resources related to Elastic Beanstalk. For more information, see [Managing Elastic Beanstalk user policies](#) in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section [Controlling access with managed policies](#) in the same topic.

Request Parameters

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

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 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](#).

Examples

Example

This example illustrates one usage of DescribeApplicationVersions.

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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.

This action only returns information about resources that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of three resources. When the user calls the this action, the response will only include the one resource that the user has permission to access instead of all three resources. If the user doesn't have access to any of the resources an empty result is returned.

> **ⓘ Note**
>
> The [AWSElasticBeanstalkReadOnly](#) managed policy allows operators to view information about resources related to Elastic Beanstalk. For more information, see [Managing Elastic Beanstalk user policies](#) in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section [Controlling access with managed policies](#) in the same topic.

Request Parameters

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

ApplicationName

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

　　Type: String

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

　　Required: No

EnvironmentName

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

Type: String

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

Required: No

Options.member.N

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

Type: Array of OptionSpecification 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

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

Required: No

Response Elements

The following elements are returned by the service.

Options.member.N

A list of ConfigurationOptionDescription.

Type: Array of ConfigurationOptionDescription objects

PlatformArn

The ARN of the platform version.

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.

TooManyBuckets

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

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of DescribeConfigurationOptions.

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>
        <ChangeSeverity>RestartEnvironment</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Name>ImageId</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue>ami-6036c009</DefaultValue>
        <Namespace>aws:autoscaling:launchconfiguration</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>NoInterruption</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Name>Notification Endpoint</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue/>
        <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Name>PARAM4</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue/>
        <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Name>JDBC_CONNECTION_STRING</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue/>
        <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
      </member>
      <member>
```

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

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

```
          <member>DiskWriteBytes</member>
          <member>Latency</member>
          <member>RequestCount</member>
          <member>HealthyHostCount</member>
          <member>UnhealthyHostCount</member>
        </ValueOptions>
        <ValueType>Scalar</ValueType>
        <DefaultValue>NetworkOut</DefaultValue>
        <Namespace>aws:autoscaling:trigger</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>NoInterruption</ChangeSeverity>
        <MinValue>5</MinValue>
        <Name>Interval</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue>30</DefaultValue>
        <MaxValue>300</MaxValue>
        <Namespace>aws:elb:healthcheck</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>NoInterruption</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Name>Application Healthcheck URL</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue>/</DefaultValue>
        <Namespace>aws:elasticbeanstalk:application</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>NoInterruption</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Name>Notification Topic ARN</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue/>
        <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>NoInterruption</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Name>LowerBreachScaleIncrement</Name>
        <ValueType>Scalar</ValueType>
```

```
        <DefaultValue>-1</DefaultValue>
        <Namespace>aws:autoscaling:trigger</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Regex>
          <Pattern>^\S*$</Pattern>
          <Label>nospaces</Label>
        </Regex>
        <Name>XX:MaxPermSize</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue>64m</DefaultValue>
        <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>NoInterruption</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Name>UpperBreachScaleIncrement</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue>1</DefaultValue>
        <Namespace>aws:autoscaling:trigger</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>NoInterruption</ChangeSeverity>
        <MinValue>1</MinValue>
        <Name>MinSize</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue>1</DefaultValue>
        <MaxValue>10000</MaxValue>
        <Namespace>aws:autoscaling:asg</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>RestartEnvironment</ChangeSeverity>
        <Name>Custom Availability Zones</Name>
        <ValueOptions>
          <member>us-east-1a</member>
          <member>us-east-1b</member>
          <member>us-east-1c</member>
          <member>us-east-1d</member>
```

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

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

```
        <Name>MonitoringInterval</Name>
        <ValueOptions>
          <member>1 minute</member>
          <member>5 minute</member>
        </ValueOptions>
        <ValueType>Scalar</ValueType>
        <DefaultValue>5 minute</DefaultValue>
        <Namespace>aws:autoscaling:launchconfiguration</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Name>PARAM1</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue/>
        <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>NoInterruption</ChangeSeverity>
        <MinValue>1</MinValue>
        <Name>MaxSize</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue>4</DefaultValue>
        <MaxValue>10000</MaxValue>
        <Namespace>aws:autoscaling:asg</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>NoInterruption</ChangeSeverity>
        <MinValue>0</MinValue>
        <Name>LowerThreshold</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue>2000000</DefaultValue>
        <MaxValue>20000000</MaxValue>
        <Namespace>aws:autoscaling:trigger</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Name>AWS_SECRET_KEY</Name>
        <ValueType>Scalar</ValueType>
```

```
        <DefaultValue/>
        <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
        <MaxLength>2000</MaxLength>
        <Name>AWS_ACCESS_KEY_ID</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue/>
        <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>NoInterruption</ChangeSeverity>
        <MinValue>0</MinValue>
        <Name>UpperThreshold</Name>
        <ValueType>Scalar</ValueType>
        <DefaultValue>6000000</DefaultValue>
        <MaxValue>20000000</MaxValue>
        <Namespace>aws:autoscaling:trigger</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>NoInterruption</ChangeSeverity>
        <Name>Notification Protocol</Name>
        <ValueOptions>
          <member>http</member>
          <member>https</member>
          <member>email</member>
          <member>email-json</member>
          <member>sqs</member>
        </ValueOptions>
        <ValueType>Scalar</ValueType>
        <DefaultValue>email</DefaultValue>
        <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
      </member>
      <member>
        <UserDefined>false</UserDefined>
        <ChangeSeverity>NoInterruption</ChangeSeverity>
        <Name>Unit</Name>
        <ValueOptions>
          <member>Seconds</member>
          <member>Percent</member>
```

```
        <member>Bytes</member>
        <member>Bits</member>
        <member>Count</member>
        <member>Bytes/Second</member>
        <member>Bits/Second</member>
        <member>Count/Second</member>
        <member>None</member>
      </ValueOptions>
      <ValueType>Scalar</ValueType>
      <DefaultValue>Bytes</DefaultValue>
      <Namespace>aws:autoscaling:trigger</Namespace>
    </member>
    <member>
      <UserDefined>false</UserDefined>
      <ChangeSeverity>RestartApplicationServer</ChangeSeverity>
      <MaxLength>2000</MaxLength>
      <Regex>
        <Pattern>^\S*$</Pattern>
        <Label>nospaces</Label>
      </Regex>
      <Name>Xmx</Name>
      <ValueType>Scalar</ValueType>
      <DefaultValue>256m</DefaultValue>
      <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
    </member>
    <member>
      <UserDefined>false</UserDefined>
      <ChangeSeverity>NoInterruption</ChangeSeverity>
      <MinValue>0</MinValue>
      <Name>Cooldown</Name>
      <ValueType>Scalar</ValueType>
      <DefaultValue>360</DefaultValue>
      <MaxValue>10000</MaxValue>
      <Namespace>aws:autoscaling:asg</Namespace>
    </member>
    <member>
      <UserDefined>false</UserDefined>
      <ChangeSeverity>NoInterruption</ChangeSeverity>
      <MinValue>1</MinValue>
      <Name>Period</Name>
      <ValueType>Scalar</ValueType>
      <DefaultValue>1</DefaultValue>
      <MaxValue>600</MaxValue>
      <Namespace>aws:autoscaling:trigger</Namespace>
```

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

```
          <Name>HealthyThreshold</Name>
          <ValueType>Scalar</ValueType>
          <DefaultValue>3</DefaultValue>
          <MaxValue>10</MaxValue>
          <Namespace>aws:elb:healthcheck</Namespace>
        </member>
        <member>
          <UserDefined>false</UserDefined>
          <ChangeSeverity>RestartEnvironment</ChangeSeverity>
          <MaxLength>2000</MaxLength>
          <Name>SSLCertificateId</Name>
          <ValueType>Scalar</ValueType>
          <DefaultValue/>
          <Namespace>aws:elb:loadbalancer</Namespace>
        </member>
      </Options>
    </DescribeConfigurationOptionsResult>
    <ResponseMetadata>
      <RequestId>e8768900-f272-11df-8a78-9f77047e0d0c</RequestId>
    </ResponseMetadata>
 </DescribeConfigurationOptionsResponse>
```

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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.

This action only returns information about resources that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of three resources. When the user calls the this action, the response will only include the one resource that the user has permission to access instead of all three resources. If the user doesn't have access to any of the resources an empty result is returned.

> **ⓘ Note**
>
> The [AWSElasticBeanstalkReadOnly](#) managed policy allows operators to view information about resources related to Elastic Beanstalk. For more information, see [Managing Elastic Beanstalk user policies](#) in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section [Controlling access with managed policies](#) in the same topic.

Related Topics

- [DeleteEnvironmentConfiguration](#)

Request Parameters

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

ApplicationName

The application for the environment or configuration template.

Type: String

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

Required: Yes

EnvironmentName

The name of the environment to describe.

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

Type: String

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

Required: No

TemplateName

The name of the configuration template to describe.

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

Type: String

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

Required: No

Response Elements

The following element is returned by the service.

ConfigurationSettings.member.N

A list of ConfigurationSettingsDescription.

Type: Array of ConfigurationSettingsDescription objects

Errors

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

TooManyBuckets

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

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of DescribeConfigurationSettings.

Sample Request

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

Sample Response

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

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

```
<member>
  <OptionName>MeasureName</OptionName>
  <Value>NetworkOut</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>Interval</OptionName>
  <Value>30</Value>
  <Namespace>aws:elb:healthcheck</Namespace>
</member>
<member>
  <OptionName>Application Healthcheck URL</OptionName>
  <Value>/</Value>
  <Namespace>aws:elasticbeanstalk:application</Namespace>
</member>
<member>
  <OptionName>Notification Topic ARN</OptionName>
  <Value/>
  <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
</member>
<member>
  <OptionName>LowerBreachScaleIncrement</OptionName>
  <Value>-1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>XX:MaxPermSize</OptionName>
  <Value>64m</Value>
  <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
</member>
<member>
  <OptionName>UpperBreachScaleIncrement</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:trigger</Namespace>
</member>
<member>
  <OptionName>MinSize</OptionName>
  <Value>1</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
</member>
<member>
  <OptionName>Custom Availability Zones</OptionName>
  <Value>us-east-1a</Value>
  <Namespace>aws:autoscaling:asg</Namespace>
```

```
          </member>
          <member>
            <OptionName>Availability Zones</OptionName>
            <Value>Any 1</Value>
            <Namespace>aws:autoscaling:asg</Namespace>
          </member>
          <member>
            <OptionName>LogPublicationControl</OptionName>
            <Value>false</Value>
            <Namespace>aws:elasticbeanstalk:hostmanager</Namespace>
          </member>
          <member>
            <OptionName>JVM Options</OptionName>
            <Value/>
            <Namespace>aws:elasticbeanstalk:container:tomcat:jvmoptions</Namespace>
          </member>
          <member>
            <OptionName>Notification Topic Name</OptionName>
            <Value/>
            <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
          </member>
          <member>
            <OptionName>PARAM2</OptionName>
            <Value/>
            <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
          </member>
          <member>
            <OptionName>LoadBalancerHTTPPort</OptionName>
            <Value>80</Value>
            <Namespace>aws:elb:loadbalancer</Namespace>
          </member>
          <member>
            <OptionName>Timeout</OptionName>
            <Value>5</Value>
            <Namespace>aws:elb:healthcheck</Namespace>
          </member>
          <member>
            <OptionName>BreachDuration</OptionName>
            <Value>2</Value>
            <Namespace>aws:autoscaling:trigger</Namespace>
          </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>
        <member>
          <OptionName>Stickiness Policy</OptionName>
          <Value>false</Value>
          <Namespace>aws:elb:policies</Namespace>
        </member>
        <member>
          <OptionName>PARAM3</OptionName>
          <Value/>
          <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
        </member>
        <member>
          <OptionName>HealthyThreshold</OptionName>
          <Value>3</Value>
          <Namespace>aws:elb:healthcheck</Namespace>
        </member>
        <member>
          <OptionName>SSLCertificateId</OptionName>
          <Value/>
          <Namespace>aws:elb:loadbalancer</Namespace>
        </member>
      </OptionSettings>
```

```
            <Description>Default Configuration Template</Description>
            <ApplicationName>SampleApp</ApplicationName>
            <DateCreated>2010-11-17T03:20:17.832Z</DateCreated>
            <TemplateName>Default</TemplateName>
            <DateUpdated>2010-11-17T03:20:17.832Z</DateUpdated>
          </member>
      </ConfigurationSettings>
    </DescribeConfigurationSettingsResult>
    <ResponseMetadata>
      <RequestId>4bde8884-f273-11df-8a78-9f77047e0d0c</RequestId>
    </ResponseMetadata>
 </DescribeConfigurationSettingsResponse>
```

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribeEnvironmentHealth

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

This action only returns information about environments that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of three environments. When the user calls this action, the response will only include the one environment that the user has permission to access instead of all three environments. If the user doesn't have access to any of the environments an empty result is returned.

> ℹ **Note**
>
> The [AWSElasticBeanstalkReadOnly](#) managed policy allows operators to view information about resources related to Elastic Beanstalk environments. For more information, see [Managing Elastic Beanstalk user policies](#) in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section [Controlling access with managed policies](#) in the same topic.

Request Parameters

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

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

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

Required: No

Response Elements

The following elements are returned by the service.

ApplicationMetrics

Application request metrics for the environment.

Type: [ApplicationMetrics](#) object

Causes.member.N

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

Type: Array of strings

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

Color

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

Type: String

EnvironmentName

The environment's name.

Type: String

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

HealthStatus

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

Type: String

InstancesHealth

Summary health information for the instances in the environment.

Type: [InstanceHealthSummary](#) object

RefreshedAt

The date and time that the health information was retrieved.

Type: Timestamp

Status

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

Type: String

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

Errors

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

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

Examples

Request a single environment health attribute

This example illustrates one usage of DescribeEnvironmentHealth.

```
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>
```

Request all environment health attributes

This example illustrates one usage of DescribeEnvironmentHealth.

```
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>
        <Severe>0</Severe>
        <Warning>0</Warning>
        <Info>0</Info>
      </InstancesHealth>
    </DescribeEnvironmentHealthResult>
    <ResponseMetadata>
      <RequestId>9460aa20-3a47-11e5-91c3-1f9989a744d4</RequestId>
    </ResponseMetadata>
 </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 v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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](#).

EnvironmentId

The environment ID of the target environment.

Type: String

Required: No

EnvironmentName

The name of the target environment.

Type: String

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

Required: No

MaxItems

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

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

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 objects

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

NextToken

A pagination token that you pass to DescribeEnvironmentManagedActionHistory to get the next page of results.

Type: String

Errors

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

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 v2
- AWS SDK for Java V2

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribeEnvironmentManagedActions

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

This action only returns information about environments that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of three environments. When the user calls this action, the response will only include the one environment that the user has permission to access instead of all three environments. If the user doesn't have access to any of the environments an empty result is returned.

> ⓘ **Note**
>
> The [AWSElasticBeanstalkReadOnly](#) managed policy allows operators to view information about resources related to Elastic Beanstalk environments. For more information, see [Managing Elastic Beanstalk user policies](#) in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section [Controlling access with managed policies](#) in the same topic.

Request Parameters

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

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](#) 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](#).

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 v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribeEnvironmentResources

Returns AWS resources for this environment.

Request Parameters

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

EnvironmentId

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

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

Type: String

Required: No

EnvironmentName

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

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

Type: String

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

Required: No

Response Elements

The following element is returned by the service.

EnvironmentResources

A list of [EnvironmentResourceDescription](#).

Type: [EnvironmentResourceDescription](#) object

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 or more AWS services.

HTTP Status Code: 403

Examples

Example

This example illustrates one usage of DescribeEnvironmentResources.

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>
      <LaunchTemplates>
```

```
        </LaunchTemplates>
        <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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribeEnvironments

Returns descriptions for existing environments.

This action only returns information about environments that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of three environments. When the user calls the *DescribeEnvironments* action, the response will only include the one environment that the user has permission to access instead of all three environments. If the user doesn't have access to any of the environments an empty result is returned.

> ### ⓘ Note
>
> The AWSElasticBeanstalkReadOnly managed policy allows operators to view information about resources related to Elastic Beanstalk environments. For more information, see Managing Elastic Beanstalk user policies in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section Controlling access with managed policies in the same topic.

Request Parameters

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

ApplicationName

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

Type: String

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

Required: No

EnvironmentIds.member.N

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

Type: Array of strings

Required: No

EnvironmentNames.member.N

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

Type: Array of strings

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

Required: No

IncludedDeletedBackTo

If specified when `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.

Examples

Example

This example illustrates one usage of DescribeEnvironments.

Sample Request

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

Sample Response

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

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribeEvents

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

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

This action only returns information about resources that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of three resources. When the user calls the this action, the response will only include the one resource that the user has permission to access instead of all three resources. If the user doesn't have access to any of the resources an empty result is returned.

> **ⓘ Note**
>
> The [AWSElasticBeanstalkReadOnly](#) managed policy allows operators to view information about resources related to Elastic Beanstalk. For more information, see [Managing Elastic Beanstalk user policies](#) in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section [Controlling access with managed policies](#) in the same topic.

Request Parameters

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

ApplicationName

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

Type: String

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

Required: No

EndTime

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

Type: Timestamp

Required: No

EnvironmentId

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

Type: String

Required: No

EnvironmentName

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

Type: String

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

Required: No

MaxRecords

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

Type: Integer

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

Required: No

NextToken

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

Type: String

Required: No

PlatformArn

The ARN of a custom platform version. If specified, AWS Elastic Beanstalk restricts the returned descriptions to those associated with this custom platform version.

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](#).

Type: Array of [EventDescription](#) objects

NextToken

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

Examples

Example

This example illustrates one usage of DescribeEvents.

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

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

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribeInstancesHealth

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

This action only returns information about environments that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of three environments. When the user calls this action, the response will only include the one environment that the user has permission to access instead of all three environments. If the user doesn't have access to any of the environments an empty result is returned.

> ⓘ **Note**
>
> The AWSElasticBeanstalkReadOnly managed policy allows operators to view information about resources related to Elastic Beanstalk environments. For more information, see Managing Elastic Beanstalk user policies in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section Controlling access with managed policies in the same topic.

Request Parameters

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

AttributeNames.member.N

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

Type: Array of strings

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

Required: No

EnvironmentId

Specify the AWS Elastic Beanstalk environment by ID.

Type: String

Required: No

EnvironmentName

Specify the AWS Elastic Beanstalk environment by name.

Type: String

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

Required: No

NextToken

Specify the pagination token returned by a previous call.

Type: String

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

Required: No

Response Elements

The following elements are returned by the service.

InstanceHealthList.member.N

Detailed health information about each instance.

The output differs slightly between Linux and Windows environments. There is a difference in the members that are supported under the <CPUUtilization> type.

Type: Array of [SingleInstanceHealth](#) 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](#).

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

Examples

Request a single instance health attribute

This example illustrates one usage of DescribeInstancesHealth.

```
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>
```

Request all instance health attributes for a Linux environment

This example shows the output for a Linux environment.

```
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>
            <Privileged>null</Privileged>
            <SoftIRQ>0.6</SoftIRQ>
            <Nice>0.0</Nice>
            <IOWait>0.1</IOWait>
            <User>46.2</User>
            <IRQ>0.0</IRQ>
          </CPUUtilization>
          <LoadAverage>
            <member>3.81</member>
            <member>2.11</member>
            <member>0.93</member>
          </LoadAverage>
        </System>
        <LaunchedAt>2015-07-17T07:58:58Z</LaunchedAt>
        <Color>Red</Color>
        <InstanceId>i-dc6ee922</InstanceId>
        <ApplicationMetrics>
          <Duration>10</Duration>
          <StatusCodes>
            <Status5xx>843</Status5xx>
            <Status4xx>0</Status4xx>
```

```
                    <Status3xx>0</Status3xx>
                    <Status2xx>3391</Status2xx>
                 </StatusCodes>
                 <Latency>
                    <P90>0.002</P90>
                    <P999>1.367</P999>
                    <P99>0.003</P99>
                    <P85>0.002</P85>
                    <P50>0.001</P50>
                    <P75>0.001</P75>
                    <P95>0.002</P95>
                    <P10>0.0</P10>
                 </Latency>
                 <RequestCount>4234</RequestCount>
              </ApplicationMetrics>
              <Causes>
                 <member>19.9 % of the requests are failing with HTTP 5xx.</member>
                 <member>93 % of CPU is in use.</member>
              </Causes>
           </member>
        </InstanceHealthList>
        <RefreshedAt>2015-08-04T01:24:34Z</RefreshedAt>
     </DescribeInstancesHealthResult>
     <ResponseMetadata>
        <RequestId>94a07242-3a47-11e5-91c3-1f9989a744d4</RequestId>
     </ResponseMetadata>
  </DescribeInstancesHealthResponse>
```

Request all instance health attributes for a Windows environment

In a Windows environment, there are different supported members in the `<CPUUtilization>` type:

```
        ...
          <CPUUtilization>
            <Idle>9.6</Idle>
            <System>null</System>
            <Privileged>45.2</Privileged>
            <SoftIRQ>null</SoftIRQ>
            <Nice>null</Nice>
            <IOWait>null</IOWait>
            <User>45.2</User>
            <IRQ>null</IRQ>
```

```
        </CPUUtilization>
    ...
```

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribePlatformVersion

Describes a platform version. Provides full details. Compare to ListPlatformVersions, which provides summary information about a list of platform versions.

For definitions of platform version and other platform-related terms, see AWS Elastic Beanstalk Platforms Glossary.

This action only returns information about resources that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of three resources. When the user calls the this action, the response will only include the one resource that the user has permission to access instead of all three resources. If the user doesn't have access to any of the resources an empty result is returned.

> **ⓘ Note**
>
> The AWSElasticBeanstalkReadOnly managed policy allows operators to view information about resources related to Elastic Beanstalk. For more information, see Managing Elastic Beanstalk user policies in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section Controlling access with managed policies in the same topic.

Request Parameters

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

PlatformArn

The ARN of the platform version.

Type: String

Required: No

Response Elements

The following element is returned by the service.

PlatformDescription

Detailed information about the platform version.

Type: PlatformDescription object

Errors

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

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

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 v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DisassociateEnvironmentOperationsRole

> ⚠️ **Important**
>
> The operations role feature of AWS Elastic Beanstalk is in beta release and is subject to change.

Disassociate the operations role from an environment. After this call is made, Elastic Beanstalk uses the caller's permissions for permissions to downstream services during subsequent calls acting on this environment.

Request Parameters

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

EnvironmentName

The name of the environment from which to disassociate the operations role.

Type: String

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

Required: Yes

Errors

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

InsufficientPrivileges

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

HTTP Status Code: 403

Examples

Example

This example illustrates one usage of DisassociateEnvironmentOperationsRole.

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?EnvironmentName=MyEnv
&Operation=DisassociateEnvironmentOperationsRole
&AuthParams
```

Sample Response

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

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListAvailableSolutionStacks

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

This action only returns information about resources that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of three resources. When the user calls the this action, the response will only include the one resource that the user has permission to access instead of all three resources. If the user doesn't have access to any of the resources an empty result is returned.

> **ⓘ Note**
>
> The AWSElasticBeanstalkReadOnly managed policy allows operators to view information about resources related to Elastic Beanstalk. For more information, see Managing Elastic Beanstalk user policies in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section Controlling access with managed policies in the same topic.

Response Elements

The following elements are returned by the service.

SolutionStackDetails.member.N

A list of available solution stacks and their SolutionStackDescription.

Type: Array of SolutionStackDescription 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.

Examples

Example

This example illustrates one usage of ListAvailableSolutionStacks.

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?Operation=ListAvailableSolutionStacks
&AuthParams
```

Sample Response

```
<ListAvailableSolutionStacksResponse xmlns="https://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
  <ListAvailableSolutionStacksResult>
    <SolutionStacks>
      <member>64bit Amazon Linux running Tomcat 6</member>
      <member>32bit Amazon Linux running Tomcat 6</member>
      <member>64bit Amazon Linux running Tomcat 7</member>
      <member>32bit Amazon Linux running Tomcat 7</member>
    </SolutionStacks>
  </ListAvailableSolutionStacksResult>
  <ResponseMetadata>
    <RequestId>f21e2a92-f1fc-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</ListAvailableSolutionStacksResponse>
```

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 v2
- AWS SDK for Java V2

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListPlatformBranches

Lists the platform branches available for your account in an AWS Region. Provides summary information about each platform branch.

For definitions of platform branch and other platform-related terms, see AWS Elastic Beanstalk Platforms Glossary.

This action only returns information about resources that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of three resources. When the user calls the this action, the response will only include the one resource that the user has permission to access instead of all three resources. If the user doesn't have access to any of the resources an empty result is returned.

> ⓘ **Note**
>
> The AWSElasticBeanstalkReadOnly managed policy allows operators to view information about resources related to Elastic Beanstalk. For more information, see Managing Elastic Beanstalk user policies in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section Controlling access with managed policies in the same topic.

Request Parameters

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

Filters.member.N

Criteria for restricting the resulting list of platform branches. The filter is evaluated as a logical conjunction (AND) of the separate `SearchFilter` terms.

The following list shows valid attribute values for each of the `SearchFilter` terms. Most operators take a single value. The `in` and `not_in` operators can take multiple values.

- `Attribute = BranchName:`
  - `Operator: =|!=|begins_with|ends_with|contains|in|not_in`
- `Attribute = LifecycleState:`
  - `Operator: =|!=|in|not_in`

- Values: `beta`|`supported`|`deprecated`|`retired`
- `Attribute = PlatformName:`
  - Operator: `=`|`!=`|`begins_with`|`ends_with`|`contains`|`in`|`not_in`
- `Attribute = TierType:`
  - Operator: `=`|`!=`
  - Values: `WebServer/Standard`|`Worker/SQS/HTTP`

Array size: limited to 10 `SearchFilter` objects.

Within each `SearchFilter` item, the `Values` array is limited to 10 items.

Type: Array of [SearchFilter](#) objects

Required: No

MaxRecords

The maximum number of platform branch values returned in one call.

Type: Integer

Valid Range: Minimum value of 1.

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

Response Elements

The following elements are returned by the service.

NextToken

In a paginated request, if this value isn't `null`, it's the token that you can pass in a subsequent request to get the next response page.

Type: String

PlatformBranchSummaryList.member.N

Summary information about the platform branches.

Type: Array of PlatformBranchSummary objects

Errors

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

Examples

The following example requests the list of PHP platform branches that are in the Normal Maintenance state.

The request has some URL-encoded characters. %3D is the equals sign (=), and %20 is the space character.

Example

This example illustrates one usage of ListPlatformBranches.

Sample Request

```
https://elasticbeanstalk.us-west-2.amazonaws.com/?
Filters.member.1.Attribute=PlatformName
&Filters.member.1.Operator=%3D
&Filters.member.1.Values.member.1=PHP
&Filters.member.1.Attribute=LifecycleState
&Filters.member.1.Operator=%3D
&Filters.member.1.Values.member.1=Supported
&Operation=ListPlatformBranches
&AuthParams
```

Sample Response

```
<ListPlatformBranches xmlns="https://elasticbeanstalk.amazonaws.com/docs/2010-12-01/">
  <ListPlatformBranchesResult>
    <PlatformBranchSummaryList>
      <member>
        <BranchName>PHP 7.3</BranchName>
        <LifecycleState>Supported</BranchName>
        <PlatformName>PHP</BranchName>
      </member>
      <member>
        <BranchName>PHP 7.2</BranchName>
        <LifecycleState>Supported</BranchName>
        <PlatformName>PHP</BranchName>
      </member>
    </PlatformBranchSummaryList>
  </ListPlatformBranchesResult>
  <ResponseMetadata>
    <RequestId>7705f0bc-f28e-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</ListPlatformBranchesResponse>
```

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListPlatformVersions

Lists the platform versions available for your account in an AWS Region. Provides summary information about each platform version. Compare to DescribePlatformVersion, which provides full details about a single platform version.

This action only returns information about platform versions that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of ten platform versions. When the user calls the *ListPlatformVersions* action, the response will only include the one platform version that the user has permission to access instead of all ten platform versions. If the user doesn't have access to any of the platform versions an empty result is returned.

> ⓘ **Note**
>
> The *AWSElasticBeanstalkReadOnly* managed policy allows operators to view information about resources related to Elastic Beanstalk environments. For more information, see Managing Elastic Beanstalk user policies in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section Controlling access with managed policies in the same topic.

For definitions of platform version and other platform-related terms, see AWS Elastic Beanstalk Platforms Glossary.

Request Parameters

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

Filters.member.N

Criteria for restricting the resulting list of platform versions. The filter is interpreted as a logical conjunction (AND) of the separate `PlatformFilter` terms.

Type: Array of PlatformFilter objects

Required: No

MaxRecords

The maximum number of platform version values returned in one call.

Type: Integer

Valid Range: Minimum value of 1.

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

Response Elements

The following elements are returned by the service.

NextToken

In a paginated request, if this value isn't `null`, it's the token that you can pass in a subsequent request to get the next response page.

Type: String

PlatformSummaryList.member.N

Summary information about the platform versions.

Type: Array of [PlatformSummary](#) objects

Errors

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

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

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListTagsForResource

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

Elastic Beanstalk supports tagging of all of its resources. For details about resource tagging, see [Tagging Application Resources](#).

This action only returns information about resources that the calling principle has IAM permissions to access. For example, consider a case where a user only has permission to access one of three resources. When the user calls the this action, the response will only include the one resource that the user has permission to access instead of all three resources. If the user doesn't have access to any of the resources an empty result is returned.

> **ⓘ Note**
>
> The [AWSElasticBeanstalkReadOnly](#) managed policy allows operators to view information about resources related to Elastic Beanstalk. For more information, see [Managing Elastic Beanstalk user policies](#) in the *AWS Elastic Beanstalk Developer Guide*. For detailed instructions to attach a policy to a user or group, see the section [Controlling access with managed policies](#) in the same topic.

Request Parameters

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

ResourceArn

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

Must be the ARN of an Elastic Beanstalk resource.

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](Tag) objects

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 or more AWS services.

HTTP Status Code: 403

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

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 .NET)
- [AWS SDK for C++](AWS SDK for C++)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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](#).

EnvironmentId

The ID of the environment to rebuild.

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

Type: String

Required: No

EnvironmentName

The name of the environment to rebuild.

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

Type: String

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

Required: No

Errors

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

InsufficientPrivileges

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

HTTP Status Code: 403

Examples

Example

This example illustrates one usage of RebuildEnvironment.

Sample Request

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

Sample Response

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

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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 to obtain the set of logs.

Related Topics

- RetrieveEnvironmentInfo

Request Parameters

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

EnvironmentId

The ID of the environment of the requested data.

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

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

Type: String

Required: No

EnvironmentName

The name of the environment of the requested data.

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

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

Type: String

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

Required: No

InfoType

The type of information to request.

Type: String

Valid Values: `tail | bundle`

Required: Yes

Errors

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

Examples

Example

This example illustrates one usage of RequestEnvironmentInfo.

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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.

EnvironmentId

The ID of the environment to restart the server for.

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

Type: String

Required: No

EnvironmentName

The name of the environment to restart the server for.

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

Type: String

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

Required: No

Errors

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

Examples

Example

This example illustrates one usage of RestartAppServer.

Sample Request

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

Sample Response

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

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

RetrieveEnvironmentInfo

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

Related Topics

- [RequestEnvironmentInfo](#)

Request Parameters

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

EnvironmentId

The ID of the data's environment.

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

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

Type: String

Required: No

EnvironmentName

The name of the data's environment.

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

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

Type: String

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

Required: No

InfoType

The type of information to retrieve.

Type: String

Valid Values: `tail | bundle`

Required: Yes

Response Elements

The following element is returned by the service.

EnvironmentInfo.member.N

The [EnvironmentInfoDescription](#) of the environment.

Type: Array of [EnvironmentInfoDescription](#) objects

Errors

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

Examples

Example

This example illustrates one usage of RetrieveEnvironmentInfo.

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

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

SwapEnvironmentCNAMEs

Swaps the CNAMEs of two environments.

Request Parameters

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

DestinationEnvironmentId

The ID of the destination environment.

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

Type: String

Required: No

DestinationEnvironmentName

The name of the destination environment.

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

Type: String

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

Required: No

SourceEnvironmentId

The ID of the source environment.

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

Type: String

Required: No

SourceEnvironmentName

The name of the source environment.

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

Type: String

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

Required: No

Errors

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

Examples

Example

This example illustrates one usage of SwapEnvironmentCNAMEs.

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

TerminateEnvironment

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

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

Required: No

ForceTerminate

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

Type: Boolean

Required: No

TerminateResources

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

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

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

Default: `true`

Valid Values: `true` | `false`

Type: Boolean

Required: No

Response Elements

The following elements are returned by the service.

AbortableOperationInProgress

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

`true:` There is an update in progress.

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

Type: Boolean

ApplicationName

The name of the application associated with this environment.

Type: String

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

CNAME

The URL to the CNAME for this environment.

Type: String

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

DateCreated

The creation date for this environment.

Type: Timestamp

DateUpdated

The last modified date for this environment.

Type: Timestamp

Description

Describes this environment.

Type: String

Length Constraints: Maximum length of 200.

EndpointURL

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

Type: String

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 objects

EnvironmentName

The name of this environment.

Type: String

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

Health

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

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

- `Yellow`: Indicates that something is wrong. Occurs when two consecutive failures occur for
  an environment.

- `Green`: Indicates the environment is healthy and fully functional.

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

Default: `Grey`

Type: String

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

HealthStatus

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

Type: String

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

OperationsRole

> ⚠️ **Important**
>
> The operations role feature of AWS Elastic Beanstalk is in beta release and is subject to
> change.

The Amazon Resource Name (ARN) of the environment's operations role.

Type: String

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

PlatformArn

The ARN of the platform version.

Type: String

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) object

SolutionStackName

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

Type: String

Status

The current operational status of the environment:

- `Aborting`: Environment is in the process of aborting a deployment.
- `Launching`: Environment is in the process of initial deployment.
- `LinkingFrom`: Environment is in the process of being linked to by another environment. See [Environment links](#) for details.
- `LinkingTo`: Environment is in the process of linking to another environment. See [Environment links](#) for details.
- `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: `Aborting` | `Launching` | `Updating` | `LinkingFrom` | `LinkingTo` | `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](#) 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](#).

InsufficientPrivileges

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

HTTP Status Code: 403

Examples

Example

This example illustrates one usage of TerminateEnvironment.

Sample Request

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

```
&TerminateResources=true
&Operation=TerminateEnvironment
&AuthParams
```

Sample Response

```
<TerminateEnvironmentResponse xmlns="https://elasticbeanstalk.amazonaws.com/
docs/2010-12-01/">
  <TerminateEnvironmentResult>
    <VersionLabel>Version1</VersionLabel>
    <Status>Terminating</Status>
    <ApplicationName>SampleApp</ApplicationName>
    <EndpointURL>elasticbeanstalk-SampleApp-1394386994.us-east-1.elb.amazonaws.com</
EndpointURL>
    <CNAME>SampleApp-jxb293wg7n.elasticbeanstalk.amazonaws.com</CNAME>
    <Health>Grey</Health>
    <EnvironmentId>e-icsgecu3wf</EnvironmentId>
    <DateUpdated>2010-11-17T17:10:41.976Z</DateUpdated>
    <SolutionStackName>32bit Amazon Linux running Tomcat 7</SolutionStackName>
    <Description>EnvDescrip</Description>
    <EnvironmentName>SampleApp</EnvironmentName>
    <DateCreated>2010-11-17T03:59:33.520Z</DateCreated>
  </TerminateEnvironmentResult>
  <ResponseMetadata>
    <RequestId>9b71af21-f26d-11df-8a78-9f77047e0d0c</RequestId>
  </ResponseMetadata>
</TerminateEnvironmentResponse>
```

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateApplication

Updates the specified application to have the specified properties.

> **ℹ 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](#).

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](#) of the application.

> Type: [ApplicationDescription](#) object

Errors

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

Examples

Example

This example illustrates one usage of UpdateApplication.

Sample Request

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

Sample Response

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

```
      </UpdateApplicationResult>
      <ResponseMetadata>
        <RequestId>40be666b-f28b-11df-8a78-9f77047e0d0c</RequestId>
      </ResponseMetadata>
 </UpdateApplicationResponse>
```

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateApplicationResourceLifecycle

Modifies lifecycle settings for an application.

Request Parameters

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

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 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 object

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 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:

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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](#).

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 of the application version.

Type: ApplicationVersionDescription object

Errors

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

Examples

Example

This example illustrates one usage of UpdateApplicationVersion.

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>00b10aa1-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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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](#)

Request Parameters

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

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](#) 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](#) objects

Required: No

TemplateName

The name of the configuration template to update.

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

Type: String

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

Required: Yes

Response Elements

The following elements are returned by the service.

ApplicationName

The name of the application associated with this configuration set.

Type: String

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

DateCreated

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

Type: Timestamp

DateUpdated

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

Type: Timestamp

DeploymentStatus

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

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

Type: String

Valid Values: `deployed | pending | failed`

Description

Describes this configuration set.

Type: String

Length Constraints: Maximum length of 200.

EnvironmentName

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

Type: String

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

OptionSettings.member.N

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

Type: Array of [ConfigurationOptionSetting](#) objects

PlatformArn

The ARN of the platform version.

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](#).

InsufficientPrivileges

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

HTTP Status Code: 403

TooManyBuckets

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

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of UpdateConfigurationTemplate.

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

```
        <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
      </member>
      <member>
        <OptionName>UpperBreachScaleIncrement</OptionName>
        <Value>1</Value>
        <Namespace>aws:autoscaling:trigger</Namespace>
      </member>
      <member>
        <OptionName>Notification Topic ARN</OptionName>
        <Value/>
        <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
      </member>
      <member>
        <OptionName>InstanceType</OptionName>
        <Value>t1.micro</Value>
        <Namespace>aws:autoscaling:launchconfiguration</Namespace>
      </member>
      <member>
        <OptionName>Custom Availability Zones</OptionName>
        <Value>us-east-1a</Value>
        <Namespace>aws:autoscaling:asg</Namespace>
      </member>
      <member>
        <OptionName>Statistic</OptionName>
        <Value>Average</Value>
        <Namespace>aws:autoscaling:trigger</Namespace>
      </member>
      <member>
        <OptionName>Notification Protocol</OptionName>
        <Value>email</Value>
        <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
      </member>
      <member>
        <OptionName>JDBC_CONNECTION_STRING</OptionName>
        <Value/>
        <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
      </member>
      <member>
        <OptionName>PARAM2</OptionName>
        <Value/>
        <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
      </member>
      <member>
        <OptionName>Stickiness Cookie Expiration</OptionName>
```

```
      <Value>0</Value>
      <Namespace>aws:elb:policies</Namespace>
    </member>
    <member>
      <OptionName>SSLCertificateId</OptionName>
      <Value/>
      <Namespace>aws:elb:loadbalancer</Namespace>
    </member>
    <member>
      <OptionName>MaxSize</OptionName>
      <Value>4</Value>
      <Namespace>aws:autoscaling:asg</Namespace>
    </member>
    <member>
      <OptionName>Stickiness Policy</OptionName>
      <Value>false</Value>
      <Namespace>aws:elb:policies</Namespace>
    </member>
    <member>
      <OptionName>Notification Topic Name</OptionName>
      <Value/>
      <Namespace>aws:elasticbeanstalk:sns:topics</Namespace>
    </member>
    <member>
      <OptionName>SecurityGroups</OptionName>
      <Value>elasticbeanstalk-default</Value>
      <Namespace>aws:autoscaling:launchconfiguration</Namespace>
    </member>
    <member>
      <OptionName>LoadBalancerHTTPPort</OptionName>
      <Value>80</Value>
      <Namespace>aws:elb:loadbalancer</Namespace>
    </member>
    <member>
      <OptionName>Unit</OptionName>
      <Value>None</Value>
      <Namespace>aws:autoscaling:trigger</Namespace>
    </member>
    <member>
      <OptionName>AWS_ACCESS_KEY_ID</OptionName>
      <Value/>
      <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
    </member>
    <member>
```

```
      <OptionName>PARAM4</OptionName>
      <Value/>
      <Namespace>aws:elasticbeanstalk:application:environment</Namespace>
    </member>
    <member>
      <OptionName>Application Healthcheck URL</OptionName>
      <Value>/</Value>
      <Namespace>aws:elasticbeanstalk:application</Namespace>
    </member>
    <member>
      <OptionName>LoadBalancerHTTPSPort</OptionName>
      <Value>OFF</Value>
      <Namespace>aws:elb:loadbalancer</Namespace>
    </member>
    <member>
      <OptionName>HealthyThreshold</OptionName>
      <Value>3</Value>
      <Namespace>aws:elb:healthcheck</Namespace>
    </member>
    <member>
      <OptionName>Timeout</OptionName>
      <Value>5</Value>
      <Namespace>aws:elb:healthcheck</Namespace>
    </member>
    <member>
      <OptionName>Cooldown</OptionName>
      <Value>0</Value>
      <Namespace>aws:autoscaling:asg</Namespace>
    </member>
    <member>
      <OptionName>UnhealthyThreshold</OptionName>
      <Value>5</Value>
      <Namespace>aws:elb:healthcheck</Namespace>
    </member>
    <member>
      <OptionName>Interval</OptionName>
      <Value>30</Value>
      <Namespace>aws:elb:healthcheck</Namespace>
    </member>
    <member>
      <OptionName>LogPublicationControl</OptionName>
      <Value>false</Value>
      <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 v2](#)

- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)

- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

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](#) 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](#).

ApplicationName

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

    Type: String

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

    Required: No

Description

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

    Type: String

    Length Constraints: Maximum length of 200.

    Required: No

EnvironmentId

    The ID of the environment to update.

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

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

Type: String

Required: No

EnvironmentName

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

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

Type: String

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

Required: No

GroupName

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

Type: String

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

Required: No

OptionSettings.member.N

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

Type: Array of ConfigurationOptionSetting 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 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 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 objects

EnvironmentName

The name of this environment.

Type: String

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

Health

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

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

- `Yellow`: Indicates that something is wrong. Occurs when two consecutive failures occur for an environment.

- `Green`: Indicates the environment is healthy and fully functional.

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

Default: `Grey`

Type: String

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

HealthStatus

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

Type: String

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

OperationsRole

> ⚠️ **Important**
>
> The operations role feature of AWS Elastic Beanstalk is in beta release and is subject to change.

The Amazon Resource Name (ARN) of the environment's operations role.

Type: String

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

PlatformArn

The ARN of the platform version.

Type: String

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) object

SolutionStackName

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

Type: String

Status

The current operational status of the environment:

- `Aborting`: Environment is in the process of aborting a deployment.
- `Launching`: Environment is in the process of initial deployment.
- `LinkingFrom`: Environment is in the process of being linked to by another environment. See [Environment links](#) for details.
- `LinkingTo`: Environment is in the process of linking to another environment. See [Environment links](#) for details.
- `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: `Aborting` | `Launching` | `Updating` | `LinkingFrom` | `LinkingTo` | `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 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.

InsufficientPrivileges

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

HTTP Status Code: 403

TooManyBuckets

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

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of UpdateEnvironment.

Sample Request

```
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

```
<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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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`.

Elastic Beanstalk supports tagging of all of its resources. For details about resource tagging, see [Tagging Application Resources](#).

If you create a custom 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](#).

ResourceArn

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

Must be the ARN of an Elastic Beanstalk resource.

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.

Specify at least one of these parameters: `TagsToAdd`, `TagsToRemove`.

Type: Array of [Tag](#) objects

Required: No

TagsToRemove.member.N

A list of tag keys to remove. If a tag key doesn't exist, it is silently ignored.

Specify at least one of these parameters: TagsToAdd, TagsToRemove.

Type: Array of strings

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

Required: No

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 or 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

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.

ApplicationName

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

Type: String

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

Required: Yes

EnvironmentName

The name of the environment to validate the settings against.

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

Type: String

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

Required: No

OptionSettings.member.N

A list of the options and desired values to evaluate.

Type: Array of ConfigurationOptionSetting objects

Required: Yes

TemplateName

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

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

Type: String

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

Required: No

Response Elements

The following element is returned by the service.

Messages.member.N

A list of ValidationMessage.

Type: Array of ValidationMessage objects

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 or more AWS services.

HTTP Status Code: 403

TooManyBuckets

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

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of ValidateConfigurationSettings.

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 v2](#)

- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)

- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

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
- ApplicationMetrics
- ApplicationResourceLifecycleConfig
- ApplicationVersionDescription
- ApplicationVersionLifecycleConfig
- AutoScalingGroup
- BuildConfiguration
- Builder
- ConfigurationOptionDescription
- ConfigurationOptionSetting
- ConfigurationSettingsDescription
- CPUUtilization
- CustomAmi
- Deployment
- EnvironmentDescription
- EnvironmentInfoDescription
- EnvironmentLink
- EnvironmentResourceDescription
- EnvironmentResourcesDescription
- EnvironmentTier

- [EventDescription](#)

- [Instance](#)

- [InstanceHealthSummary](#)

- [Latency](#)

- [LaunchConfiguration](#)

- [LaunchTemplate](#)

- [Listener](#)

- [LoadBalancer](#)

- [LoadBalancerDescription](#)

- [ManagedAction](#)

- [ManagedActionHistoryItem](#)

- [MaxAgeRule](#)

- [MaxCountRule](#)

- [OptionRestrictionRegex](#)

- [OptionSpecification](#)

- [PlatformBranchSummary](#)

- [PlatformDescription](#)

- [PlatformFilter](#)

- [PlatformFramework](#)

- [PlatformProgrammingLanguage](#)

- [PlatformSummary](#)

- [Queue](#)

- [ResourceQuota](#)

- [ResourceQuotas](#)

- [S3Location](#)

- [SearchFilter](#)

- [SingleInstanceHealth](#)

- [SolutionStackDescription](#)

- [SourceBuildInformation](#)

- [SourceConfiguration](#)

- [StatusCodes](#)
- [SystemStatus](#)
- [Tag](#)
- [Trigger](#)
- [ValidationMessage](#)

ApplicationDescription

Describes the properties of an application.

Contents

ApplicationArn

The Amazon Resource Name (ARN) of the application.

Type: String

Required: No

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 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 C++)
- AWS SDK for Java V2
- AWS SDK for Ruby V3

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 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 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

ApplicationResourceLifecycleConfig

The resource lifecycle configuration for an application. Defines lifecycle settings for resources that belong to the application, and the service role that AWS 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.

The `ServiceRole` property is required the first time that you provide a `VersionLifecycleConfig` for the application in one of the supporting calls (`CreateApplication` or `UpdateApplicationResourceLifecycle`). After you provide it once, in either one of the calls, Elastic Beanstalk persists the Service Role with the application, and you don't need to specify it again in subsequent `UpdateApplicationResourceLifecycle` calls. You can, however, specify it in subsequent calls to change the Service Role to another value.

Type: String

Required: No

VersionLifecycleConfig

Defines lifecycle settings for application versions.

Type: ApplicationVersionLifecycleConfig 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 C++)
- AWS SDK for Java V2

- [AWS SDK for Ruby V3](#)

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

ApplicationVersionArn

The Amazon Resource Name (ARN) of the application version.

Type: String

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](#) object

Required: No

SourceBundle

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

Type: [S3Location](#) object

Required: No

Status

The processing status of the application version. Reflects the state of the application version during its creation. Many of the values are only applicable if you specified `True` for the `Process` parameter of the `CreateApplicationVersion` action. The following list describes the possible values.

- `Unprocessed` – Application version wasn't pre-processed or validated. Elastic Beanstalk will validate configuration files during deployment of the application version to an environment.

- `Processing` – Elastic Beanstalk is currently processing the application version.

- `Building` – Application version is currently undergoing an AWS CodeBuild build.

- `Processed` – Elastic Beanstalk was successfully pre-processed and validated.

- `Failed` – Either the AWS CodeBuild build failed or configuration files didn't pass validation. This application version isn't usable.

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 object

Required: No

MaxCountRule

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

Type: MaxCountRule 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 Java V2
- AWS SDK for Ruby V3

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

BuildConfiguration

Settings for an AWS CodeBuild build.

Contents

CodeBuildServiceRole

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

Type: String

Pattern: `.*\S.*`

Required: Yes

Image

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

Type: String

Pattern: `.*\S.*`

Required: Yes

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

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

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 A 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 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

ConfigurationOptionSetting

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

Contents

Namespace

A unique namespace that identifies 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 the option setting. Use it 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

ConfigurationSettingsDescription

Describes the settings for a configuration set.

Contents

ApplicationName

The name of the application associated with this configuration set.

Type: String

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

Required: No

DateCreated

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

Type: Timestamp

Required: No

DateUpdated

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

Type: Timestamp

Required: No

DeploymentStatus

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

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

Type: String

Valid Values: `deployed | pending | failed`

Required: No

Description

Describes this configuration set.

Type: String

Length Constraints: Maximum length of 200.

Required: No

EnvironmentName

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

Type: String

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

Required: No

OptionSettings.member.N

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

Type: Array of [ConfigurationOptionSetting](#) objects

Required: No

PlatformArn

The ARN of the platform version.

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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

Available on Linux environments only.

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

Type: Double

Required: No

IRQ

Available on Linux environments only.

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

Type: Double

Required: No

Nice

Available on Linux environments only.

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

Type: Double

Required: No

Privileged

> Available on Windows environments only.
>
> Percentage of time that the CPU has spent in the `Privileged` state over the last 10 seconds.
>
> Type: Double
>
> Required: No

SoftIRQ

> Available on Linux environments only.
>
> Percentage of time that the CPU has spent in the `SoftIRQ` state over the last 10 seconds.
>
> Type: Double
>
> Required: No

System

> Available on Linux environments only.
>
> 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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

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

Required: No

Health

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

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

Default: `Grey`

Type: String

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

Required: No

HealthStatus

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

Type: String

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

Required: No

OperationsRole

> ⚠ **Important**
>
> The operations role feature of AWS Elastic Beanstalk is in beta release and is subject to change.

The Amazon Resource Name (ARN) of the environment's operations role.

Type: String

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

Required: No

PlatformArn

The ARN of the platform version.

Type: String

Required: No

Resources

The description of the AWS resources used by this environment.

Type: [EnvironmentResourcesDescription](#) 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:

- `Aborting`: Environment is in the process of aborting a deployment.

- `Launching`: Environment is in the process of initial deployment.

- `LinkingFrom`: Environment is in the process of being linked to by another environment. See Environment links for details.

- `LinkingTo`: Environment is in the process of linking to another environment. See Environment links for details.

- `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: `Aborting | Launching | Updating | LinkingFrom | LinkingTo | 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 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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. Currently contains a presigned Amazon S3 URL. The files are deleted after 15 minutes.

Anyone in possession of this URL can access the files before they are deleted. Make the URL available only to trusted parties.

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2
- AWS SDK for Ruby V3

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
>
> Length Constraints: Minimum length of 4. Maximum length of 40.
>
> Required: No

Instances.member.N

> The Amazon EC2 instances used by this environment.
>
> Type: Array of [Instance](#) objects
>
> Required: No

LaunchConfigurations.member.N

> The Auto Scaling launch configurations in use by this environment.
>
> Type: Array of [LaunchConfiguration](#) objects
>
> Required: No

LaunchTemplates.member.N

> The Amazon EC2 launch templates in use by this environment.
>
> Type: Array of [LaunchTemplate](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

EnvironmentResourcesDescription

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

Contents

LoadBalancer

Describes the LoadBalancer.

Type: LoadBalancerDescription 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 Java V2
- AWS SDK for Ruby V3

EnvironmentTier

Describes the properties of an environment tier

Contents

Name

The name of this environment tier.

Valid values:

- For *Web server tier* – `WebServer`
- For *Worker tier* – `Worker`

Type: String

Required: No

Type

The type of this environment tier.

Valid values:

- For *Web server tier* – `Standard`
- For *Worker tier* – SQS/HTTP

Type: String

Required: No

Version

The version of this environment tier. When you don't set a value to it, Elastic Beanstalk uses the latest compatible worker tier version.

> ⓘ **Note**
>
> This member is deprecated. Any specific version that you set may become out of date. We recommend leaving it unspecified.

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

EventDescription

Describes an event.

Contents

ApplicationName

The application associated with the event.

Type: String

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

Required: No

EnvironmentName

The name of the environment associated with this event.

Type: String

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

Required: No

EventDate

The date when the event occurred.

Type: Timestamp

Required: No

Message

The event message.

Type: String

Required: No

PlatformArn

The ARN of the platform version.

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

InstanceHealthSummary

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

Contents

Degraded

> **Red.** The health agent is reporting a high number of request failures or other issues for an instance or environment.
>
> Type: Integer
>
> Required: No

Info

> **Green.** An operation is in progress on an instance.
>
> Type: Integer
>
> Required: No

NoData

> **Grey.** AWS Elastic Beanstalk and the health agent are reporting no data on an instance.
>
> Type: Integer
>
> Required: No

Ok

> **Green.** An instance is passing health checks and the health agent is not reporting any problems.
>
> Type: Integer
>
> Required: No

Pending

> **Grey.** An operation is in progress on an instance within the command timeout.
>
> Type: Integer

Required: No

Severe

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

Type: Integer

Required: No

Unknown

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

Type: Integer

Required: No

Warning

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

Type: Integer

Required: No

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

LaunchTemplate

Describes an Amazon EC2 launch template.

Contents

Id

The ID of the launch template.

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 Java V2
- AWS SDK for Ruby V3

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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.

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 Java V2
- AWS SDK for Ruby V3

ManagedActionHistoryItem

The record of a completed or failed managed action.

Contents

ActionDescription

A description of the managed action.

Type: String

Required: No

ActionId

A unique identifier for the managed action.

Type: String

Required: No

ActionType

The type of the managed action.

Type: String

Valid Values: `InstanceRefresh | PlatformUpdate | Unknown`

Required: No

ExecutedTime

The date and time that the action started executing.

Type: Timestamp

Required: No

FailureDescription

If the action failed, a description of the failure.

Type: String

Required: No

FailureType

If the action failed, the type of failure.

Type: String

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

Required: No

FinishedTime

The date and time that the action finished executing.

Type: Timestamp

Required: No

Status

The status of the action.

Type: String

Valid Values: `Completed` | `Failed` | `Unknown`

Required: No

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

MaxAgeRule

A lifecycle rule that deletes application versions after the specified number of days.

Contents

Enabled

Specify `true` to apply the rule, or `false` to disable it.

Type: Boolean

Required: Yes

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

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

MaxCountRule

A lifecycle rule that deletes the oldest application version when the maximum count is exceeded.

Contents

Enabled

Specify `true` to apply the rule, or `false` to disable it.

Type: Boolean

Required: Yes

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

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

PlatformBranchSummary

Summary information about a platform branch.

Contents

BranchName

The name of the platform branch.

Type: String

Required: No

BranchOrder

An ordinal number that designates the order in which platform branches have been added to a platform. This can be helpful, for example, if your code calls the `ListPlatformBranches` action and then displays a list of platform branches.

A larger `BranchOrder` value designates a newer platform branch within the platform.

Type: Integer

Required: No

LifecycleState

The support life cycle state of the platform branch.

Possible values: `beta` | `supported` | `deprecated` | `retired`

Type: String

Required: No

PlatformName

The name of the platform to which this platform branch belongs.

Type: String

Required: No

SupportedTierList.member.N

The environment tiers that platform versions in this branch support.

Possible values: `WebServer/Standard`|`Worker/SQS/HTTP`

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

PlatformDescription

Detailed information about a platform version.

Contents

CustomAmiList.member.N

The custom AMIs supported by the platform version.

Type: Array of CustomAmi objects

Required: No

DateCreated

The date when the platform version was created.

Type: Timestamp

Required: No

DateUpdated

The date when the platform version was last updated.

Type: Timestamp

Required: No

Description

The description of the platform version.

Type: String

Length Constraints: Maximum length of 200.

Required: No

Frameworks.member.N

The frameworks supported by the platform version.

Type: Array of PlatformFramework objects

Required: No

Maintainer

Information about the maintainer of the platform version.

Type: String

Required: No

OperatingSystemName

The operating system used by the platform version.

Type: String

Required: No

OperatingSystemVersion

The version of the operating system used by the platform version.

Type: String

Required: No

PlatformArn

The ARN of the platform version.

Type: String

Required: No

PlatformBranchLifecycleState

The state of the platform version's branch in its lifecycle.

Possible values: `Beta` | `Supported` | `Deprecated` | `Retired`

Type: String

Required: No

PlatformBranchName

The platform branch to which the platform version belongs.

Type: String

Required: No

PlatformCategory

The category of the platform version.

Type: String

Required: No

PlatformLifecycleState

The state of the platform version in its lifecycle.

Possible values: `Recommended` | `null`

If a null value is returned, the platform version isn't the recommended one for its branch. Each platform branch has a single recommended platform version, typically the most recent one.

Type: String

Required: No

PlatformName

The name of the platform version.

Type: String

Required: No

PlatformOwner

The AWS account ID of the person who created the platform version.

Type: String

Required: No

PlatformStatus

The status of the platform version.

Type: String

Valid Values: `Creating | Failed | Ready | Deleting | Deleted`

Required: No

PlatformVersion

The version of the platform version.

Type: String

Required: No

ProgrammingLanguages.member.N

The programming languages supported by the platform version.

Type: Array of [PlatformProgrammingLanguage](#) objects

Required: No

SolutionStackName

The name of the solution stack used by the platform version.

Type: String

Required: No

SupportedAddonList.member.N

The additions supported by the platform version.

Type: Array of strings

Required: No

SupportedTierList.member.N

The tiers supported by the platform version.

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

PlatformFilter

Describes criteria to restrict the results when listing platform versions.

The filter is evaluated as follows: `Type Operator Values[1]`

Contents

Operator

The operator to apply to the `Type` with each of the `Values`.

Valid values: `=` | `!=` | `<` | `<=` | `>` | `>=` | `contains` | `begins_with` | `ends_with`

Type: String

Required: No

Type

The platform version attribute to which the filter values are applied.

Valid values: `PlatformName` | `PlatformVersion` | `PlatformStatus` | `PlatformBranchName` | `PlatformLifecycleState` | `PlatformOwner` | `SupportedTier` | `SupportedAddon` | `ProgrammingLanguageName` | `OperatingSystemName`

Type: String

Required: No

Values.member.N

The list of values applied to the filtering platform version attribute. Only one value is supported for all current operators.

The following list shows valid filter values for some filter attributes.

- `PlatformStatus`: `Creating` | `Failed` | `Ready` | `Deleting` | `Deleted`
- `PlatformLifecycleState`: `recommended`
- `SupportedTier`: `WebServer/Standard` | `Worker/SQS/HTTP`
- `SupportedAddon`: `Log/S3` | `Monitoring/Healthd` | `WorkerDaemon/SQSD`

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

PlatformFramework

A framework supported by the 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

PlatformSummary

Summary information about a platform version.

Contents

OperatingSystemName

The operating system used by the platform version.

Type: String

Required: No

OperatingSystemVersion

The version of the operating system used by the platform version.

Type: String

Required: No

PlatformArn

The ARN of the platform version.

Type: String

Required: No

PlatformBranchLifecycleState

The state of the platform version's branch in its lifecycle.

Possible values: `beta` | `supported` | `deprecated` | `retired`

Type: String

Required: No

PlatformBranchName

The platform branch to which the platform version belongs.

Type: String

Required: No

PlatformCategory

The category of platform version.

Type: String

Required: No

PlatformLifecycleState

The state of the platform version in its lifecycle.

Possible values: `recommended` | `empty`

If an empty value is returned, the platform version is supported but isn't the recommended one for its branch.

Type: String

Required: No

PlatformOwner

The AWS account ID of the person who created the platform version.

Type: String

Required: No

PlatformStatus

The status of the platform version. You can create an environment from the platform version once it is ready.

Type: String

Valid Values: `Creating | Failed | Ready | Deleting | Deleted`

Required: No

PlatformVersion

The version string of the platform version.

Type: String

Required: No

SupportedAddonList.member.N

The additions associated with the platform version.

Type: Array of strings

Required: No

SupportedTierList.member.N

The tiers in which the platform version 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

ResourceQuota

The AWS Elastic Beanstalk quota information for a single resource type in an AWS account. It reflects the resource's limits for this account.

Contents

Maximum

The maximum number of instances of this Elastic Beanstalk resource type that an AWS account can use.

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

ResourceQuotas

A set of per-resource AWS Elastic Beanstalk quotas associated with an AWS account. They reflect Elastic Beanstalk resource limits for this account.

Contents

ApplicationQuota

    The quota for applications in the AWS account.

    Type: ResourceQuota object

    Required: No

ApplicationVersionQuota

    The quota for application versions in the AWS account.

    Type: ResourceQuota object

    Required: No

ConfigurationTemplateQuota

    The quota for configuration templates in the AWS account.

    Type: ResourceQuota object

    Required: No

CustomPlatformQuota

    The quota for custom platforms in the AWS account.

    Type: ResourceQuota object

    Required: No

EnvironmentQuota

    The quota for environments in the AWS account.

    Type: ResourceQuota 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

SearchFilter

Describes criteria to restrict a list of results.

For operators that apply a single value to the attribute, the filter is evaluated as follows:
`Attribute Operator Values[1]`

Some operators, e.g. `in`, can apply multiple values. In this case, the filter is evaluated as a logical union (OR) of applications of the operator to the attribute with each one of the values:
`(Attribute Operator Values[1]) OR (Attribute Operator Values[2]) OR ...`

The valid values for attributes of `SearchFilter` depend on the API action. For valid values, see the reference page for the API action you're calling that takes a `SearchFilter` parameter.

Contents

Attribute

> The result attribute to which the filter values are applied. Valid values vary by API action.
>
> Type: String
>
> Required: No

Operator

> The operator to apply to the `Attribute` with each of the `Values`. Valid values vary by `Attribute`.
>
> Type: String
>
> Required: No

Values.member.N

> The list of values applied to the `Attribute` and `Operator` attributes. Number of values and valid values vary by `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 Java V2](#)
- [AWS SDK for Ruby V3](#)

SingleInstanceHealth

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

Contents

ApplicationMetrics

Request metrics from your application.

Type: ApplicationMetrics 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](#) 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](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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

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

Pattern: `.+/.+`

Required: Yes

SourceRepository

Location where the repository is stored.

- `CodeCommit`

- `S3`

Type: String

Valid Values: `CodeCommit | S3`

Required: Yes

SourceType

The type of repository.

- `Git`

- `Zip`

Type: String

Valid Values: `Git | Zip`

Required: Yes

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

SystemStatus

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

Contents

CPUUtilization

> CPU utilization metrics for the instance.
>
> Type: [CPUUtilization](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

Tag

Describes a tag applied to a resource in an environment.

Contents

Key

The key of the tag.

Type: String

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

Required: No

Value

The value of the tag.

Type: String

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

Required: No

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 Java V2](#)
- [AWS SDK for Ruby V3](#)

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 [Signing AWS API requests](#) in the *IAM User Guide*.

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 [Create a signed AWS API request](#) in the *IAM User Guide*.

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 [Elements of an AWS API request signature](#) in the *IAM User Guide*.

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 STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, 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 Create a signed AWS API request in the *IAM User Guide*.

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

NotAuthorized

You do not have permission to perform this action.

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