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# AWS AppConfig

## API Reference



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# Welcome

## AWS AppConfig

Use AWS AppConfig, a capability of AWS Systems Manager, to create, manage, and quickly deploy application configurations. AWS AppConfig supports controlled deployments to applications of any size and includes built-in validation checks and monitoring. You can use AWS AppConfig with applications hosted on Amazon EC2 instances, Lambda, containers, mobile applications, or IoT devices.

To prevent errors when deploying application configurations, especially for production systems where a simple typo could cause an unexpected outage, AWS AppConfig includes validators. A validator provides a syntactic or semantic check to ensure that the configuration you want to deploy works as intended. To validate your application configuration data, you provide a schema or an AWS Lambda function that runs against the configuration. The configuration deployment or update can only proceed when the configuration data is valid.

During a configuration deployment, AWS AppConfig monitors the application to ensure that the deployment is successful. If the system encounters an error, AWS AppConfig rolls back the change to minimize impact for your application users. You can configure a deployment strategy for each application or environment that includes deployment criteria, including velocity, bake time, and alarms to monitor. Similar to error monitoring, if a deployment triggers an alarm, AWS AppConfig automatically rolls back to the previous version.

AWS AppConfig supports multiple use cases. Here are some examples:

- **Feature flags:** Use AWS AppConfig to turn on new features that require a timely deployment, such as a product launch or announcement.
- **Application tuning:** Use AWS AppConfig to carefully introduce changes to your application that can only be tested with production traffic.
- **Allow list:** Use AWS AppConfig to allow premium subscribers to access paid content.
- **Operational issues:** Use AWS AppConfig to reduce stress on your application when a dependency or other external factor impacts the system.

This reference is intended to be used with the [AWS AppConfig User Guide](#).

## AWS AppConfig Data

AWS AppConfig Data provides the data plane APIs your application uses to retrieve configuration data. Here's how it works:

Your application retrieves configuration data by first establishing a configuration session using the AWS AppConfig Data [StartConfigurationSession](#) (p. 124) API action. Your session's client then makes periodic calls to [GetLatestConfiguration](#) (p. 121) to check for and retrieve the latest data available.

When calling `StartConfigurationSession`, your code sends the following information:

- Identifiers (ID or name) of an AWS AppConfig application, environment, and configuration profile that the session tracks.
- (Optional) The minimum amount of time the session's client must wait between calls to `GetLatestConfiguration`.

In response, AWS AppConfig provides an `InitialConfigurationToken` to be given to the session's client and used the first time it calls `GetLatestConfiguration` for that session.

**Important**

This token should only be used once in your first call to `GetLatestConfiguration`.

You *must* use the new token in the `GetLatestConfiguration` response

(`NextPollConfigurationToken`) in each subsequent call to `GetLatestConfiguration`.

When calling `GetLatestConfiguration`, your client code sends the most recent `ConfigurationToken` value it has and receives in response:

- `NextPollConfigurationToken`: the `ConfigurationToken` value to use on the next call to `GetLatestConfiguration`.
- `NextPollIntervalInSeconds`: the duration the client should wait before making its next call to `GetLatestConfiguration`. This duration may vary over the course of the session, so it should be used instead of the value sent on the `StartConfigurationSession` call.
- The configuration: the latest data intended for the session. This may be empty if the client already has the latest version of the configuration.

**Important**

The `InitialConfigurationToken` and `NextPollConfigurationToken` expire after 24 hours. If a `GetLatestConfiguration` call uses an expired token, the system returns `BadRequestException`.

For more information and to view example AWS CLI commands that show how to retrieve a configuration using the AWS AppConfig Data `StartConfigurationSession` and `GetLatestConfiguration` API actions, see [Retrieving the configuration](#) in the *AWS AppConfig User Guide*.

# Actions

The following actions are supported by AWS AppConfig:

- [CreateApplication](#) (p. 5)
- [CreateConfigurationProfile](#) (p. 8)
- [CreateDeploymentStrategy](#) (p. 14)
- [CreateEnvironment](#) (p. 19)
- [CreateHostedConfigurationVersion](#) (p. 23)
- [DeleteApplication](#) (p. 27)
- [DeleteConfigurationProfile](#) (p. 29)
- [DeleteDeploymentStrategy](#) (p. 31)
- [DeleteEnvironment](#) (p. 33)
- [DeleteHostedConfigurationVersion](#) (p. 35)
- [GetApplication](#) (p. 37)
- [GetConfiguration](#) (p. 40)
- [GetConfigurationProfile](#) (p. 44)
- [GetDeployment](#) (p. 48)
- [GetDeploymentStrategy](#) (p. 54)
- [GetEnvironment](#) (p. 58)
- [GetHostedConfigurationVersion](#) (p. 61)
- [ListApplications](#) (p. 64)
- [ListConfigurationProfiles](#) (p. 67)
- [ListDeployments](#) (p. 70)
- [ListDeploymentStrategies](#) (p. 73)
- [ListEnvironments](#) (p. 76)
- [ListHostedConfigurationVersions](#) (p. 79)
- [ListTagsForResource](#) (p. 82)
- [StartDeployment](#) (p. 85)
- [StopDeployment](#) (p. 91)
- [TagResource](#) (p. 96)
- [UntagResource](#) (p. 99)
- [UpdateApplication](#) (p. 101)
- [UpdateConfigurationProfile](#) (p. 104)
- [UpdateDeploymentStrategy](#) (p. 109)
- [UpdateEnvironment](#) (p. 114)
- [ValidateConfiguration](#) (p. 118)

The following actions are supported by AWS AppConfig Data:

- [GetLatestConfiguration](#) (p. 121)
- [StartConfigurationSession](#) (p. 124)

# AWS AppConfig

The following actions are supported by AWS AppConfig:

- [CreateApplication](#) (p. 5)
- [CreateConfigurationProfile](#) (p. 8)
- [CreateDeploymentStrategy](#) (p. 14)
- [CreateEnvironment](#) (p. 19)
- [CreateHostedConfigurationVersion](#) (p. 23)
- [DeleteApplication](#) (p. 27)
- [DeleteConfigurationProfile](#) (p. 29)
- [DeleteDeploymentStrategy](#) (p. 31)
- [DeleteEnvironment](#) (p. 33)
- [DeleteHostedConfigurationVersion](#) (p. 35)
- [GetApplication](#) (p. 37)
- [GetConfiguration](#) (p. 40)
- [GetConfigurationProfile](#) (p. 44)
- [GetDeployment](#) (p. 48)
- [GetDeploymentStrategy](#) (p. 54)
- [GetEnvironment](#) (p. 58)
- [GetHostedConfigurationVersion](#) (p. 61)
- [ListApplications](#) (p. 64)
- [ListConfigurationProfiles](#) (p. 67)
- [ListDeployments](#) (p. 70)
- [ListDeploymentStrategies](#) (p. 73)
- [ListEnvironments](#) (p. 76)
- [ListHostedConfigurationVersions](#) (p. 79)
- [ListTagsForResource](#) (p. 82)
- [StartDeployment](#) (p. 85)
- [StopDeployment](#) (p. 91)
- [TagResource](#) (p. 96)
- [UntagResource](#) (p. 99)
- [UpdateApplication](#) (p. 101)
- [UpdateConfigurationProfile](#) (p. 104)
- [UpdateDeploymentStrategy](#) (p. 109)
- [UpdateEnvironment](#) (p. 114)
- [ValidateConfiguration](#) (p. 118)



# CreateApplication

Service: AWS AppConfig

Creates an application. In AWS AppConfig, an application is simply an organizational construct like a folder. This organizational construct has a relationship with some unit of executable code. For example, you could create an application called MyMobileApp to organize and manage configuration data for a mobile application installed by your users.

## Request Syntax

```
POST /applications HTTP/1.1
Content-type: application/json

{
  "Description": "string",
  "Name": "string",
  "Tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### Description (p. 5)

A description of the application.

Type: String

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

Required: No

### Name (p. 5)

A name for the application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

### Tags (p. 5)

Metadata to assign to the application. Tags help organize and categorize your AWS AppConfig resources. Each tag consists of a key and an optional value, both of which you define.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Value Length Constraints: Maximum length of 256.

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "Description": "string",
  "Id": "string",
  "Name": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

### Description (p. 6)

The description of the application.

Type: String

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

### Id (p. 6)

The application ID.

Type: String

Pattern: [a-z0-9]{4,7}

### Name (p. 6)

The application name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### BadRequestException

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

HTTP Status Code: 400

### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

## Examples

### Example

This example illustrates one usage of CreateApplication.

#### Sample Request

```
POST /applications HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.create-application
X-Amz-Date: 20210916T175455Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210916/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 91

{
  "Name": "test-application",
  "Description": "An application used for creating an example."
}
```

#### Sample Response

```
{
  "Description": "An application used for creating an example.",
  "Id": "abc1234",
  "Name": "test-application"
}
```

## See Also

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

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

# CreateConfigurationProfile

Service: AWS AppConfig

Creates a configuration profile, which is information that enables AWS AppConfig to access the configuration source. Valid configuration sources include the AWS AppConfig hosted configuration store, AWS Systems Manager (SSM) documents, SSM Parameter Store parameters, Amazon S3 objects, or any [integration source action](#) supported by AWS CodePipeline. A configuration profile includes the following information:

- The URI location of the configuration data.
- The AWS Identity and Access Management (IAM) role that provides access to the configuration data.
- A validator for the configuration data. Available validators include either a JSON Schema or an AWS Lambda function.

For more information, see [Create a Configuration and a Configuration Profile](#) in the *AWS AppConfig User Guide*.

## Request Syntax

```
POST /applications/ApplicationId/configurationprofiles HTTP/1.1
Content-type: application/json
```

```
{
  "Description": "string",
  "LocationUri": "string",
  "Name": "string",
  "RetrievalRoleArn": "string",
  "Tags": {
    "string" : "string"
  },
  "Type": "string",
  "Validators": [
    {
      "Content": "string",
      "Type": "string"
    }
  ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 8)

The application ID.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

#### Description (p. 8)

A description of the configuration profile.

Type: String

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

Required: No

#### LocationUri (p. 8)

A URI to locate the configuration. You can specify the AWS AppConfig hosted configuration store, Systems Manager (SSM) document, an SSM Parameter Store parameter, or an Amazon S3 object. For the hosted configuration store and for feature flags, specify `hosted`. For an SSM document, specify either the document name in the format `ssm-document://<Document_name>` or the Amazon Resource Name (ARN). For a parameter, specify either the parameter name in the format `ssm-parameter://<Parameter_name>` or the ARN. For an Amazon S3 object, specify the URI in the following format: `s3://<bucket>/<objectKey>` . Here is an example: `s3://my-bucket/my-app/us-east-1/my-config.json`

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

#### Name (p. 8)

A name for the configuration profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

#### RetrievalRoleArn (p. 8)

The ARN of an IAM role with permission to access the configuration at the specified `LocationUri`.

##### **Important**

A retrieval role ARN is not required for configurations stored in the AWS AppConfig hosted configuration store. It is required for all other sources that store your configuration.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^((arn):(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):(iam)::\d{12}:role[/].*)$`

Required: No

#### Tags (p. 8)

Metadata to assign to the configuration profile. Tags help organize and categorize your AWS AppConfig resources. Each tag consists of a key and an optional value, both of which you define.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Value Length Constraints: Maximum length of 256.

Required: No

#### Type (p. 8)

The type of configurations contained in the profile. AWS AppConfig supports `feature flags` and `freeform` configurations. We recommend you create feature flag configurations to enable or disable new features and freeform configurations to distribute configurations to an application. When calling this API, enter one of the following values for `Type`:

`AWS.AppConfig.FeatureFlags`

`AWS.Freeform`

Type: String

Pattern: `^[a-zA-Z\.\.]+`

Required: No

#### Validators (p. 8)

A list of methods for validating the configuration.

Type: Array of [Validator \(p. 145\)](#) objects

Array Members: Minimum number of 0 items. Maximum number of 2 items.

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "ApplicationId": "string",
  "Description": "string",
  "Id": "string",
  "LocationUri": "string",
  "Name": "string",
  "RetrievalRoleArn": "string",
  "Type": "string",
  "Validators": [
    {
      "Content": "string",
      "Type": "string"
    }
  ]
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

#### ApplicationId (p. 10)

The application ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

**Description (p. 10)**

The configuration profile description.

Type: String

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

**Id (p. 10)**

The configuration profile ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

**LocationUri (p. 10)**

The URI location of the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

**Name (p. 10)**

The name of the configuration profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

**RetrievalRoleArn (p. 10)**

The ARN of an IAM role with permission to access the configuration at the specified `LocationUri`.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^(arn):(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):(iam)::\d{12}:role[/].*)$`

**Type (p. 10)**

The type of configurations contained in the profile. AWS AppConfig supports `feature flags` and `freeform` configurations. We recommend you create feature flag configurations to enable or disable new features and freeform configurations to distribute configurations to an application. When calling this API, enter one of the following values for `Type`:

`AWS.AppConfig.FeatureFlags`

`AWS.Freeform`

Type: String

Pattern: `^[a-zA-Z\.\.]+`

**Validators (p. 10)**

A list of methods for validating the configuration.

Type: Array of [Validator \(p. 145\)](#) objects

Array Members: Minimum number of 0 items. Maximum number of 2 items.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of CreateConfigurationProfile.

#### Sample Request

```
POST /applications/abc1234/configurationprofiles HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.create-configuration-profile
X-Amz-Date: 20210916T190059Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210916/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 171

{
  "Name": "Example-Configuration-Profile",
  "LocationUri": "ssm-parameter://Example-Parameter",
  "RetrievalRoleArn": "arn:aws:iam::111122223333:role/Example-App-Config-Role"
}
```

#### Sample Response

```
{
  "ApplicationId": "abc1234",
  "Description": null,
  "Id": "ur8hx2f",
  "LocationUri": "ssm-parameter://Example-Parameter",
  "Name": "Example-Configuration-Profile",
  "RetrievalRoleArn": "arn:aws:iam::111122223333:role/Example-App-Config-Role",
  "Type": null,
}
```



```
"Validators": null  
}
```

## See Also

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

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

# CreateDeploymentStrategy

Service: AWS AppConfig

Creates a deployment strategy that defines important criteria for rolling out your configuration to the designated targets. A deployment strategy includes the overall duration required, a percentage of targets to receive the deployment during each interval, an algorithm that defines how percentage grows, and bake time.

## Request Syntax

```
POST /deploymentstrategies HTTP/1.1
Content-type: application/json

{
  "DeploymentDurationInMinutes": number,
  "Description": "string",
  "FinalBakeTimeInMinutes": number,
  "GrowthFactor": number,
  "GrowthType": "string",
  "Name": "string",
  "ReplicateTo": "string",
  "Tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### DeploymentDurationInMinutes (p. 14)

Total amount of time for a deployment to last.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

Required: Yes

### Description (p. 14)

A description of the deployment strategy.

Type: String

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

Required: No

### FinalBakeTimeInMinutes (p. 14)

The amount of time AWS AppConfig monitors for alarms before considering the deployment to be complete and no longer eligible for automatic roll back.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

Required: No

#### **GrowthFactor** (p. 14)

The percentage of targets to receive a deployed configuration during each interval.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

Required: Yes

#### **GrowthType** (p. 14)

The algorithm used to define how percentage grows over time. AWS AppConfig supports the following growth types:

**Linear:** For this type, AWS AppConfig processes the deployment by dividing the total number of targets by the value specified for `Step percentage`. For example, a linear deployment that uses a `Step percentage` of 10 deploys the configuration to 10 percent of the hosts. After those deployments are complete, the system deploys the configuration to the next 10 percent. This continues until 100% of the targets have successfully received the configuration.

**Exponential:** For this type, AWS AppConfig processes the deployment exponentially using the following formula:  $G * (2^N)$ . In this formula,  $G$  is the growth factor specified by the user and  $N$  is the number of steps until the configuration is deployed to all targets. For example, if you specify a growth factor of 2, then the system rolls out the configuration as follows:

$2 * (2^0)$

$2 * (2^1)$

$2 * (2^2)$

Expressed numerically, the deployment rolls out as follows: 2% of the targets, 4% of the targets, 8% of the targets, and continues until the configuration has been deployed to all targets.

Type: String

Valid Values: `LINEAR` | `EXPONENTIAL`

Required: No

#### **Name** (p. 14)

A name for the deployment strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

#### **ReplicateTo** (p. 14)

Save the deployment strategy to a Systems Manager (SSM) document.

Type: String

Valid Values: `NONE` | `SSM_DOCUMENT`

Required: Yes

### Tags (p. 14)

Metadata to assign to the deployment strategy. Tags help organize and categorize your AWS AppConfig resources. Each tag consists of a key and an optional value, both of which you define.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Value Length Constraints: Maximum length of 256.

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "DeploymentDurationInMinutes": number,
  "Description": "string",
  "FinalBakeTimeInMinutes": number,
  "GrowthFactor": number,
  "GrowthType": "string",
  "Id": "string",
  "Name": "string",
  "ReplicateTo": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

### DeploymentDurationInMinutes (p. 16)

Total amount of time the deployment lasted.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

### Description (p. 16)

The description of the deployment strategy.

Type: String

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

### FinalBakeTimeInMinutes (p. 16)

The amount of time that AWS AppConfig monitored for alarms before considering the deployment to be complete and no longer eligible for automatic rollback.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

### GrowthFactor (p. 16)

The percentage of targets that received a deployed configuration during each interval.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

### GrowthType (p. 16)

The algorithm used to define how percentage grew over time.

Type: String

Valid Values: `LINEAR` | `EXPONENTIAL`

### Id (p. 16)

The deployment strategy ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

### Name (p. 16)

The name of the deployment strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

### ReplicateTo (p. 16)

Save the deployment strategy to a Systems Manager (SSM) document.

Type: String

Valid Values: `NONE` | `SSM_DOCUMENT`

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### BadRequestException

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

HTTP Status Code: 400

### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

## Examples

### Example

This example illustrates one usage of `CreateDeploymentStrategy`.

## Sample Request

```
POST /deploymentstrategies HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.create-deployment-strategy
X-Amz-Date: 20210916T214947Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210916/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 118

{
  "Name": "Example-Deployment",
  "DeploymentDurationInMinutes": 15,
  "GrowthFactor": 25.0,
  "ReplicateTo": "SSM_DOCUMENT"
}
```

## Sample Response

```
{
  "DeploymentDurationInMinutes": 15,
  "Description": null,
  "FinalBakeTimeInMinutes": 0,
  "GrowthFactor": 25.0,
  "GrowthType": "LINEAR",
  "Id": "1225qzk",
  "Name": "Example-Deployment",
  "ReplicateTo": "SSM_DOCUMENT"
}
```

## See Also

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

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

# CreateEnvironment

Service: AWS AppConfig

Creates an environment. For each application, you define one or more environments. An environment is a deployment group of AWS AppConfig targets, such as applications in a `Beta` or `Production` environment. You can also define environments for application subcomponents such as the `Web`, `Mobile` and `Back-end` components for your application. You can configure Amazon CloudWatch alarms for each environment. The system monitors alarms during a configuration deployment. If an alarm is triggered, the system rolls back the configuration.

## Request Syntax

```
POST /applications/ApplicationId/environments HTTP/1.1
Content-type: application/json

{
  "Description": "string",
  "Monitors": [
    {
      "AlarmArn": "string",
      "AlarmRoleArn": "string"
    }
  ],
  "Name": "string",
  "Tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### ApplicationId (p. 19)

The application ID.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### Description (p. 19)

A description of the environment.

Type: String

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

Required: No

### Monitors (p. 19)

Amazon CloudWatch alarms to monitor during the deployment process.

Type: Array of [Monitor \(p. 144\)](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

#### **Name (p. 19)**

A name for the environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

#### **Tags (p. 19)**

Metadata to assign to the environment. Tags help organize and categorize your AWS AppConfig resources. Each tag consists of a key and an optional value, both of which you define.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Value Length Constraints: Maximum length of 256.

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "ApplicationId": "string",
  "Description": "string",
  "Id": "string",
  "Monitors": [
    {
      "AlarmArn": "string",
      "AlarmRoleArn": "string"
    }
  ],
  "Name": "string",
  "State": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

#### **ApplicationId (p. 20)**

The application ID.

Type: String



Pattern: [a-z0-9]{4,7}

#### Description (p. 20)

The description of the environment.

Type: String

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

#### Id (p. 20)

The environment ID.

Type: String

Pattern: [a-z0-9]{4,7}

#### Monitors (p. 20)

Amazon CloudWatch alarms monitored during the deployment.

Type: Array of [Monitor \(p. 144\)](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

#### Name (p. 20)

The name of the environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

#### State (p. 20)

The state of the environment. An environment can be in one of the following states: READY\_FOR\_DEPLOYMENT, DEPLOYING, ROLLING\_BACK, or ROLLED\_BACK

Type: String

Valid Values: READY\_FOR\_DEPLOYMENT | DEPLOYING | ROLLING\_BACK | ROLLED\_BACK

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

#### BadRequestException

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

HTTP Status Code: 400

#### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

#### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of CreateEnvironment.

#### Sample Request

```
POST /applications/abc1234/environments HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.create-environment
X-Amz-Date: 20210916T221023Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210916/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 31

{
  "Name": "Example-Environment"
}
```

#### Sample Response

```
{
  "ApplicationId": "abc1234",
  "Description": null,
  "Id": "54j1r29",
  "Monitors": null,
  "Name": "Example-Environment",
  "State": "ReadyForDeployment"
}
```

## See Also

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

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

# CreateHostedConfigurationVersion

Service: AWS AppConfig

Creates a new configuration in the AWS AppConfig hosted configuration store.

## Request Syntax

```
POST /applications/ApplicationId/configurationprofiles/ConfigurationProfileId/
hostedconfigurationversions HTTP/1.1
Description: Description
Content-Type: ContentType
Latest-Version-Number: LatestVersionNumber

Content
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 23)

The application ID.

Pattern: [a-z0-9]{4,7}

Required: Yes

### **ConfigurationProfileId** (p. 23)

The configuration profile ID.

Pattern: [a-z0-9]{4,7}

Required: Yes

### **ContentType** (p. 23)

A standard MIME type describing the format of the configuration content. For more information, see [Content-Type](#).

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

Required: Yes

### **Description** (p. 23)

A description of the configuration.

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

### **LatestVersionNumber** (p. 23)

An optional locking token used to prevent race conditions from overwriting configuration updates when creating a new version. To ensure your data is not overwritten when creating multiple hosted configuration versions in rapid succession, specify the version number of the latest hosted configuration version.

## Request Body

The request accepts the following binary data.

### Content (p. 23)

The content of the configuration or the configuration data.

Required: Yes

## Response Syntax

```
HTTP/1.1 201
Application-Id: ApplicationId
Configuration-Profile-Id: ConfigurationProfileId
Version-Number: VersionNumber
Description: Description
Content-Type: ContentType

Content
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The response returns the following HTTP headers.

### ApplicationId (p. 24)

The application ID.

Pattern: [a-z0-9]{4,7}

### ConfigurationProfileId (p. 24)

The configuration profile ID.

Pattern: [a-z0-9]{4,7}

### ContentType (p. 24)

A standard MIME type describing the format of the configuration content. For more information, see [Content-Type](#).

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

### Description (p. 24)

A description of the configuration.

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

### VersionNumber (p. 24)

The configuration version.

The response returns the following as the HTTP body.

### Content (p. 24)

The content of the configuration or the configuration data.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

### **ConflictException**

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### **PayloadTooLargeException**

The configuration size is too large.

HTTP Status Code: 413

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The number of hosted configuration versions exceeds the limit for the AWS AppConfig hosted configuration store. Delete one or more versions and try again.

HTTP Status Code: 402

## Examples

### Example

This example illustrates one usage of `CreateHostedConfigurationVersion`.

#### Sample Request

```
POST /applications/abc1234/configurationprofiles/ur8hx2f/hostedconfigurationversions
HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Type: application/json
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.create-hosted-configuration-version
X-Amz-Date: 20210917T184857Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210917/us-
east-1/appconfig/aws4_request, SignedHeaders=content-type;host;x-amz-date,
Signature=39c3b3042cd2aEXAMPLE
Content-Length: 27

{ "Name": "ExampleApplication", "Id": ExampleID, "Rank": 7 }
```

#### Sample Response

```
{
```

```
"ApplicationId": "abc1234",  
"ConfigurationProfileId": "ur8hx2f",  
"VersionNumber": "1",  
"ContentType": "application/json"  
}
```

## See Also

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

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

# DeleteApplication

Service: AWS AppConfig

Deletes an application. Deleting an application does not delete a configuration from a host.

## Request Syntax

```
DELETE /applications/ApplicationId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 27)

The ID of the application to delete.

Pattern: [a-z0-9]{4,7}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of DeleteApplication.

#### Sample Request

```
DELETE /applications/339ohji HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.delete-application
X-Amz-Date: 20210920T222013Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 0
```

#### Sample Response

```
{}
```

## See Also

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

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



# DeleteConfigurationProfile

Service: AWS AppConfig

Deletes a configuration profile. Deleting a configuration profile does not delete a configuration from a host.

## Request Syntax

```
DELETE /applications/ApplicationId/configurationprofiles/ConfigurationProfileId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 29)

The application ID that includes the configuration profile you want to delete.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

### **ConfigurationProfileId** (p. 29)

The ID of the configuration profile you want to delete.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

### **ConflictException**

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

#### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

#### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of DeleteConfigurationProfile.

#### Sample Request

```
DELETE /applications/339ohji/configurationprofiles/ur8hx2f HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.delete-configuration-profile
X-Amz-Date: 20210920T221708Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 0
```

#### Sample Response

```
{}
```

## See Also

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

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

# DeleteDeploymentStrategy

Service: AWS AppConfig

Deletes a deployment strategy. Deleting a deployment strategy does not delete a configuration from a host.

## Request Syntax

```
DELETE /deploymentstrategies/DeploymentStrategyId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### **DeploymentStrategyId** (p. 31)

The ID of the deployment strategy you want to delete.

Pattern: (`^[a-z0-9]{4,7}$|^AppConfig\.[A-Za-z0-9]{9,40}$`)

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of DeleteDeploymentStrategy.

#### Sample Request

```
DELETE /deploymentstrategies/1225qzk HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.delete-deployment-strategy
X-Amz-Date: 20210920T221109Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 0
```

#### Sample Response

```
{}
```

## See Also

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

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

# DeleteEnvironment

Service: AWS AppConfig

Deletes an environment. Deleting an environment does not delete a configuration from a host.

## Request Syntax

```
DELETE /applications/ApplicationId/environments/EnvironmentId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 33)

The application ID that includes the environment that you want to delete.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

### **EnvironmentId** (p. 33)

The ID of the environment that you want to delete.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

### **ConflictException**

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of DeleteEnvironment.

#### Sample Request

```
DELETE /applications/abc1234/environments/54j1r29 HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.delete-environment
X-Amz-Date: 20210920T220756Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 0
```

#### Sample Response

```
{}
```

## See Also

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

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

# DeleteHostedConfigurationVersion

Service: AWS AppConfig

Deletes a version of a configuration from the AWS AppConfig hosted configuration store.

## Request Syntax

```
DELETE /applications/ApplicationId/configurationprofiles/ConfigurationProfileId/
hostedconfigurationversions/VersionNumber HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 35)

The application ID.

Pattern: [a-z0-9]{4,7}

Required: Yes

### **ConfigurationProfileId** (p. 35)

The configuration profile ID.

Pattern: [a-z0-9]{4,7}

Required: Yes

### **VersionNumber** (p. 35)

The versions number to delete.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

**InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

**ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of DeleteHostedConfigurationVersion.

#### Sample Request

```
DELETE /applications/339ohji/configurationprofiles/ur8hx2f/hostedconfigurationversions/1
HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.delete-hosted-configuration-version
X-Amz-Date: 20210920T220442Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 0
```

#### Sample Response

```
{}
```

## See Also

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

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



# GetApplication

Service: AWS AppConfig

Retrieves information about an application.

## Request Syntax

```
GET /applications/ApplicationId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### ApplicationId (p. 37)

The ID of the application you want to get.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Description": "string",
  "Id": "string",
  "Name": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### Description (p. 37)

The description of the application.

Type: String

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

### Id (p. 37)

The application ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

### Name (p. 37)

The application name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of GetApplication.

### Sample Request

```
GET /applications/abc1234 HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.get-application
X-Amz-Date: 20210917T180608Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210917/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

### Sample Response

```
{
  "Description": "An application used for creating an example.",
  "Id": "abc1234",
  "Name": "example-application"
}
```

## See Also

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

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

# GetConfiguration

Service: AWS AppConfig

Retrieves the latest deployed configuration.

## Important

Note the following important information.

- This API action has been deprecated. Calls to receive configuration data should use the [StartConfigurationSession](#) and [GetLatestConfiguration](#) APIs instead.
- GetConfiguration is a priced call. For more information, see [Pricing](#).
- AWS AppConfig uses the value of the ClientConfigurationVersion parameter to identify the configuration version on your clients. If you don't send ClientConfigurationVersion with each call to GetConfiguration, your clients receive the current configuration. You are charged each time your clients receive a configuration.

To avoid excess charges, we recommend you use the [StartConfigurationSession](#) and [GetLatestConfiguration](#) APIs, which track the client configuration version on your behalf. If you choose to continue using GetConfiguration, we recommend that you include the ClientConfigurationVersion value with every call to GetConfiguration. The value to use for ClientConfigurationVersion comes from the ConfigurationVersion attribute returned by GetConfiguration when there is new or updated data, and should be saved for subsequent calls to GetConfiguration.

## Request Syntax

```
GET /applications/Application/environments/Environment/configurations/Configuration?  
client_configuration_version=ClientConfigurationVersion&client_id=ClientId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### Application (p. 40)

The application to get. Specify either the application name or the application ID.

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

### ClientConfigurationVersion (p. 40)

The configuration version returned in the most recent GetConfiguration response.

## Important

AWS AppConfig uses the value of the ClientConfigurationVersion parameter to identify the configuration version on your clients. If you don't send ClientConfigurationVersion with each call to GetConfiguration, your clients receive the current configuration. You are charged each time your clients receive a configuration.

To avoid excess charges, we recommend that you include the ClientConfigurationVersion value with every call to GetConfiguration. This value must be saved on your client. Subsequent calls to GetConfiguration must pass this value by using the ClientConfigurationVersion parameter.

For more information about working with configurations, see [Retrieving the Configuration](#) in the *AWS AppConfig User Guide*.

Length Constraints: Minimum length of 1. Maximum length of 1024.

#### **ClientId (p. 40)**

The `clientId` parameter in the following command is a unique, user-specified ID to identify the client for the configuration. This ID enables AWS AppConfig to deploy the configuration in intervals, as defined in the deployment strategy.

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

#### **Configuration (p. 40)**

The configuration to get. Specify either the configuration name or the configuration ID.

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

#### **Environment (p. 40)**

The environment to get. Specify either the environment name or the environment ID.

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Configuration-Version: ConfigurationVersion
Content-Type: ContentType

Content
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The response returns the following HTTP headers.

#### **ConfigurationVersion (p. 41)**

The configuration version.

Length Constraints: Minimum length of 1. Maximum length of 1024.

#### **ContentType (p. 41)**

A standard MIME type describing the format of the configuration content. For more information, see [Content-Type](#).

The response returns the following as the HTTP body.

#### **Content (p. 41)**

The content of the configuration or the configuration data.

### Important

The `Content` attribute only contains data if the system finds new or updated configuration data. If there is no new or updated data and `ClientConfigurationVersion` matches the version of the current configuration, AWS AppConfig returns a 204 No Content HTTP response code and the `Content` value will be empty.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### BadRequestException

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

HTTP Status Code: 400

### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of `GetConfiguration`.

### Sample Request

```
GET /applications/test-application/environments/Example-Environment/configurations/Example-Configuration-Profile?client_id=test-id HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/x86_64.amzn.2 prompt/off command/appconfig.get-configuration
X-Amz-Date: 20210917T215745Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210917/us-east-1/appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

### Sample Response

```
{
  "ConfigurationVersion": "1",
  "ContentType": "application/octet-stream"
}
```

## See Also

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

- [AWS Command Line Interface](#)

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

# GetConfigurationProfile

Service: AWS AppConfig

Retrieves information about a configuration profile.

## Request Syntax

```
GET /applications/ApplicationId/configurationprofiles/ConfigurationProfileId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 44)

The ID of the application that includes the configuration profile you want to get.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

### **ConfigurationProfileId** (p. 44)

The ID of the configuration profile that you want to get.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "ApplicationId": "string",
  "Description": "string",
  "Id": "string",
  "LocationUri": "string",
  "Name": "string",
  "RetrievalRoleArn": "string",
  "Type": "string",
  "Validators": [
    {
      "Content": "string",
      "Type": "string"
    }
  ]
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.



The following data is returned in JSON format by the service.

**ApplicationId (p. 44)**

The application ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

**Description (p. 44)**

The configuration profile description.

Type: String

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

**Id (p. 44)**

The configuration profile ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

**LocationUri (p. 44)**

The URI location of the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

**Name (p. 44)**

The name of the configuration profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

**RetrievalRoleArn (p. 44)**

The ARN of an IAM role with permission to access the configuration at the specified `LocationUri`.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^((arn):(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):(iam)::\d{12}:role[/].*)$`

**Type (p. 44)**

The type of configurations contained in the profile. AWS AppConfig supports `feature flags` and `freeform` configurations. We recommend you create feature flag configurations to enable or disable new features and freeform configurations to distribute configurations to an application. When calling this API, enter one of the following values for `Type`:

`AWS.AppConfig.FeatureFlags`

`AWS.Freeform`

Type: String

Pattern: `^[a-zA-Z\.\ ]+`

#### Validators (p. 44)

A list of methods for validating the configuration.

Type: Array of [Validator \(p. 145\)](#) objects

Array Members: Minimum number of 0 items. Maximum number of 2 items.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

#### BadRequestException

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

HTTP Status Code: 400

#### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

#### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of `GetConfigurationProfile`.

#### Sample Request

```
GET /applications/abc1234/configurationprofiles/ur8hx2f HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.get-configuration-profile
X-Amz-Date: 20210917T221417Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210917/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

#### Sample Response

```
{
  "ApplicationId": "abc1234",
  "Id": "ur8hx2f",
  "Name": "Example-Configuration-Profile",
  "LocationUri": "ssm-parameter://Example-Parameter",
  "RetrievalRoleArn": "arn:aws:iam::111122223333:role/Example-App-Config-Role"
}
```

## See Also

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

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

# GetDeployment

Service: AWS AppConfig

Retrieves information about a configuration deployment.

## Request Syntax

```
GET /applications/ApplicationId/environments/EnvironmentId/deployments/DeploymentNumber
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 48)

The ID of the application that includes the deployment you want to get.

Pattern: [a-z0-9]{4,7}

Required: Yes

### **DeploymentNumber** (p. 48)

The sequence number of the deployment.

Required: Yes

### **EnvironmentId** (p. 48)

The ID of the environment that includes the deployment you want to get.

Pattern: [a-z0-9]{4,7}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "ApplicationId": "string",
  "CompletedAt": number,
  "ConfigurationLocationUri": "string",
  "ConfigurationName": "string",
  "ConfigurationProfileId": "string",
  "ConfigurationVersion": "string",
  "DeploymentDurationInMinutes": number,
  "DeploymentNumber": number,
  "DeploymentStrategyId": "string",
  "Description": "string",
  "EnvironmentId": "string",
  "EventLog": [
    {
      "Description": "string",
```

```
        "EventType": "string",
        "OccurredAt": number,
        "TriggeredBy": "string"
    }
],
"FinalBakeTimeInMinutes": number,
"GrowthFactor": number,
"GrowthType": "string",
"PercentageComplete": number,
"StartedAt": number,
"State": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### ApplicationId (p. 48)

The ID of the application that was deployed.

Type: String

Pattern: `[a-z0-9]{4,7}`

### CompletedAt (p. 48)

The time the deployment completed.

Type: Timestamp

### ConfigurationLocationUri (p. 48)

Information about the source location of the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

### ConfigurationName (p. 48)

The name of the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

### ConfigurationProfileId (p. 48)

The ID of the configuration profile that was deployed.

Type: String

Pattern: `[a-z0-9]{4,7}`

### ConfigurationVersion (p. 48)

The configuration version that was deployed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

### DeploymentDurationInMinutes (p. 48)

Total amount of time the deployment lasted.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

**DeploymentNumber (p. 48)**

The sequence number of the deployment.

Type: Integer

**DeploymentStrategyId (p. 48)**

The ID of the deployment strategy that was deployed.

Type: String

Pattern: [a-z0-9]{4,7}

**Description (p. 48)**

The description of the deployment.

Type: String

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

**EnvironmentId (p. 48)**

The ID of the environment that was deployed.

Type: String

Pattern: [a-z0-9]{4,7}

**EventLog (p. 48)**

A list containing all events related to a deployment. The most recent events are displayed first.

Type: Array of [DeploymentEvent \(p. 133\)](#) objects

**FinalBakeTimeInMinutes (p. 48)**

The amount of time that AWS AppConfig monitored for alarms before considering the deployment to be complete and no longer eligible for automatic rollback.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

**GrowthFactor (p. 48)**

The percentage of targets to receive a deployed configuration during each interval.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

**GrowthType (p. 48)**

The algorithm used to define how percentage grew over time.

Type: String

Valid Values: `LINEAR` | `EXPONENTIAL`

**PercentageComplete (p. 48)**

The percentage of targets for which the deployment is available.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

#### **StartedAt** (p. 48)

The time the deployment started.

Type: Timestamp

#### **State** (p. 48)

The state of the deployment.

Type: String

Valid Values: BAKING | VALIDATING | DEPLOYING | COMPLETE | ROLLING\_BACK | ROLLED\_BACK

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 150).

#### **BadRequestException**

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

HTTP Status Code: 400

#### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

#### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of GetDeployment.

#### Sample Request

```
GET /applications/abc1234/environments/54j1r29/deployments/1 HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.get-deployment
X-Amz-Date: 20210917T222704Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210917/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

#### Sample Response

```
{
  "ApplicationId": "abc1234",
  "EnvironmentId": "54j1r29",
  "DeploymentStrategyId": "1225qzk",
```

```

"ConfigurationProfileId": "ur8hx2f",
"DeploymentNumber": 1,
"ConfigurationName": "Example-Configuration-Profile",
"ConfigurationLocationUri": "ssm-parameter://Example-Parameter",
"ConfigurationVersion": "1",
"DeploymentDurationInMinutes": 15,
"GrowthType": "LINEAR",
"GrowthFactor": 25.0,
"FinalBakeTimeInMinutes": 0,
"State": "COMPLETE",
"EventLog": [
  {
    "EventType": "DEPLOYMENT_COMPLETED",
    "TriggeredBy": "APPCONFIG",
    "Description": "Deployment completed",
    "OccurredAt": "2021-09-17T21:59:03.888000+00:00"
  },
  {
    "EventType": "BAKE_TIME_STARTED",
    "TriggeredBy": "APPCONFIG",
    "Description": "Deployment bake time started",
    "OccurredAt": "2021-09-17T21:58:57.722000+00:00"
  },
  {
    "EventType": "PERCENTAGE_UPDATED",
    "TriggeredBy": "APPCONFIG",
    "Description": "Configuration available to 100.00% of clients",
    "OccurredAt": "2021-09-17T21:55:56.816000+00:00"
  },
  {
    "EventType": "PERCENTAGE_UPDATED",
    "TriggeredBy": "APPCONFIG",
    "Description": "Configuration available to 75.00% of clients",
    "OccurredAt": "2021-09-17T21:52:56.567000+00:00"
  },
  {
    "EventType": "PERCENTAGE_UPDATED",
    "TriggeredBy": "APPCONFIG",
    "Description": "Configuration available to 50.00% of clients",
    "OccurredAt": "2021-09-17T21:49:55.737000+00:00"
  },
  {
    "EventType": "PERCENTAGE_UPDATED",
    "TriggeredBy": "APPCONFIG",
    "Description": "Configuration available to 25.00% of clients",
    "OccurredAt": "2021-09-17T21:46:55.187000+00:00"
  },
  {
    "EventType": "DEPLOYMENT_STARTED",
    "TriggeredBy": "USER",
    "Description": "Deployment started",
    "OccurredAt": "2021-09-17T21:43:54.205000+00:00"
  }
],
"PercentageComplete": 100.0,
"StartedAt": "2021-09-17T21:43:54.205000+00:00",
"CompletedAt": "2021-09-17T21:59:03.888000+00:00"
}

```

## See Also

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

- [AWS Command Line Interface](#)



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

# GetDeploymentStrategy

Service: AWS AppConfig

Retrieves information about a deployment strategy. A deployment strategy defines important criteria for rolling out your configuration to the designated targets. A deployment strategy includes the overall duration required, a percentage of targets to receive the deployment during each interval, an algorithm that defines how percentage grows, and bake time.

## Request Syntax

```
GET /deploymentstrategies/DeploymentStrategyId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### DeploymentStrategyId (p. 54)

The ID of the deployment strategy to get.

Pattern: (`^[a-z0-9]{4,7}$|^AppConfig\.[A-Za-z0-9]{9,40}$`)

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "DeploymentDurationInMinutes": number,
  "Description": "string",
  "FinalBakeTimeInMinutes": number,
  "GrowthFactor": number,
  "GrowthType": "string",
  "Id": "string",
  "Name": "string",
  "ReplicateTo": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### DeploymentDurationInMinutes (p. 54)

Total amount of time the deployment lasted.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

**Description (p. 54)**

The description of the deployment strategy.

Type: String

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

**FinalBakeTimeInMinutes (p. 54)**

The amount of time that AWS AppConfig monitored for alarms before considering the deployment to be complete and no longer eligible for automatic rollback.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

**GrowthFactor (p. 54)**

The percentage of targets that received a deployed configuration during each interval.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

**GrowthType (p. 54)**

The algorithm used to define how percentage grew over time.

Type: String

Valid Values: `LINEAR` | `EXPONENTIAL`

**Id (p. 54)**

The deployment strategy ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

**Name (p. 54)**

The name of the deployment strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

**ReplicateTo (p. 54)**

Save the deployment strategy to a Systems Manager (SSM) document.

Type: String

Valid Values: `NONE` | `SSM_DOCUMENT`

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

**BadRequestException**

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

HTTP Status Code: 400

#### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

#### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of GetDeploymentStrategy.

#### Sample Request

```
GET /deploymentstrategies/1225qzk HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.get-deployment-strategy
X-Amz-Date: 20210917T224000Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210917/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

#### Sample Response

```
{
  "Id": "1225qzk",
  "Name": "Example-Deployment",
  "DeploymentDurationInMinutes": 15,
  "GrowthType": "LINEAR",
  "GrowthFactor": 25.0,
  "FinalBakeTimeInMinutes": 0,
  "ReplicateTo": "SSM_DOCUMENT"
}
```

## See Also

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

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



# GetEnvironment

Service: AWS AppConfig

Retrieves information about an environment. An environment is a deployment group of AWS AppConfig applications, such as applications in a `Production` environment or in an `EU_Region` environment. Each configuration deployment targets an environment. You can enable one or more Amazon CloudWatch alarms for an environment. If an alarm is triggered during a deployment, AWS AppConfig roles back the configuration.

## Request Syntax

```
GET /applications/ApplicationId/environments/EnvironmentId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### ApplicationId (p. 58)

The ID of the application that includes the environment you want to get.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

### EnvironmentId (p. 58)

The ID of the environment that you want to get.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "ApplicationId": "string",
  "Description": "string",
  "Id": "string",
  "Monitors": [
    {
      "AlarmArn": "string",
      "AlarmRoleArn": "string"
    }
  ],
  "Name": "string",
  "State": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### **ApplicationId (p. 58)**

The application ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

### **Description (p. 58)**

The description of the environment.

Type: String

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

### **Id (p. 58)**

The environment ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

### **Monitors (p. 58)**

Amazon CloudWatch alarms monitored during the deployment.

Type: Array of [Monitor \(p. 144\)](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

### **Name (p. 58)**

The name of the environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

### **State (p. 58)**

The state of the environment. An environment can be in one of the following states: `READY_FOR_DEPLOYMENT`, `DEPLOYING`, `ROLLING_BACK`, or `ROLLED_BACK`

Type: String

Valid Values: `READY_FOR_DEPLOYMENT` | `DEPLOYING` | `ROLLING_BACK` | `ROLLED_BACK`

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of GetEnvironment.

#### Sample Request

```
GET /applications/abc1234/environments/54j1r29 HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.get-environment
X-Amz-Date: 20210917T224423Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210917/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

#### Sample Response

```
{
  "ApplicationId": "abc1234",
  "Id": "54j1r29",
  "Name": "Example-Environment",
  "State": "ReadyForDeployment"
}
```

## See Also

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

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



# GetHostedConfigurationVersion

Service: AWS AppConfig

Retrieves information about a specific configuration version.

## Request Syntax

```
GET /applications/ApplicationId/configurationprofiles/ConfigurationProfileId/
hostedconfigurationversions/VersionNumber HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 61)

The application ID.

Pattern: [a-z0-9]{4,7}

Required: Yes

### **ConfigurationProfileId** (p. 61)

The configuration profile ID.

Pattern: [a-z0-9]{4,7}

Required: Yes

### **VersionNumber** (p. 61)

The version.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Application-Id: ApplicationId
Configuration-Profile-Id: ConfigurationProfileId
Version-Number: VersionNumber
Description: Description
Content-Type: ContentType

Content
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The response returns the following HTTP headers.

### **ApplicationId (p. 61)**

The application ID.

Pattern: [a-z0-9]{4,7}

### **ConfigurationProfileId (p. 61)**

The configuration profile ID.

Pattern: [a-z0-9]{4,7}

### **ContentType (p. 61)**

A standard MIME type describing the format of the configuration content. For more information, see [Content-Type](#).

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

### **Description (p. 61)**

A description of the configuration.

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

### **VersionNumber (p. 61)**

The configuration version.

The response returns the following as the HTTP body.

### **Content (p. 61)**

The content of the configuration or the configuration data.

## **Errors**

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## **Examples**

### **Example**

This example illustrates one usage of `GetHostedConfigurationVersion`.

## Sample Request

```
GET /applications/abc1234/configurationprofiles/ur8hx2f/hostedconfigurationversions/1
HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.get-hosted-configuration-version
X-Amz-Date: 20210917T224843Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210917/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

## Sample Response

```
{
  "ApplicationId": "abc1234",
  "ConfigurationProfileId": "ur8hx2f",
  "VersionNumber": "1",
  "ContentType": "application/json"
}
```

## See Also

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

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

# ListApplications

Service: AWS AppConfig

Lists all applications in your AWS account.

## Request Syntax

```
GET /applications?max_results=MaxResults&next_token=NextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### MaxResults (p. 64)

The maximum number of items to return for this call. The call also returns a token that you can specify in a subsequent call to get the next set of results.

Valid Range: Minimum value of 1. Maximum value of 50.

### NextToken (p. 64)

A token to start the list. Next token is a pagination token generated by AWS AppConfig to describe what page the previous List call ended on. For the first List request, the nextToken should not be set. On subsequent calls, the nextToken parameter should be set to the previous responses nextToken value. Use this token to get the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
  "Items": [
    {
      "Description": "string",
      "Id": "string",
      "Name": "string"
    }
  ],
  "NextToken": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### Items (p. 64)

The elements from this collection.

Type: Array of [Application \(p. 129\)](#) objects

### NextToken (p. 64)

The token for the next set of items to return. Use this token to get the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### BadRequestException

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

HTTP Status Code: 400

### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

## Examples

### Example

This example illustrates one usage of ListApplications.

### Sample Request

```
GET /applications HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.list-applications
X-Amz-Date: 20210917T231257Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210917/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

### Sample Response

```
{
  "Items": [
    {
      "Id": "abc1234",
      "Name": "example-application",
      "Description": "An application used for creating an example."
    },
    {
      "Id": "rwalwu7",
      "Name": "Example-Application"
    }
  ]
}
```

```
}  
  ]  
}
```

## See Also

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

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

# ListConfigurationProfiles

Service: AWS AppConfig

Lists the configuration profiles for an application.

## Request Syntax

```
GET /applications/ApplicationId/configurationprofiles?
max_results=MaxResults&next_token=NextToken&type=Type HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### ApplicationId (p. 67)

The application ID.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

### MaxResults (p. 67)

The maximum number of items to return for this call. The call also returns a token that you can specify in a subsequent call to get the next set of results.

Valid Range: Minimum value of 1. Maximum value of 50.

### NextToken (p. 67)

A token to start the list. Use this token to get the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

### Type (p. 67)

A filter based on the type of configurations that the configuration profile contains. A configuration can be a feature flag or a freeform configuration.

Pattern: `^[a-zA-Z\.\ ]+`

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "ApplicationId": "string",
      "Id": "string",
      "LocationUri": "string",
      "Name": "string",
      "Type": "string",
```

```
    "ValidatorTypes": [ "string" ]  
  },  
],  
"NextToken": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### Items (p. 67)

The elements from this collection.

Type: Array of [ConfigurationProfileSummary](#) (p. 131) objects

### NextToken (p. 67)

The token for the next set of items to return. Use this token to get the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 150).

### BadRequestException

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

HTTP Status Code: 400

### InternalServerError

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of ListConfigurationProfiles.

### Sample Request

```
GET /applications/abc1234/configurationprofiles HTTP/1.1  
Host: appconfig.us-east-1.amazonaws.com  
Accept-Encoding: identity
```



```
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.list-configuration-profiles
X-Amz-Date: 20210920T174422Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

### Sample Response

```
{
  "Items": [
    {
      "ApplicationId": "abc1234",
      "Id": "ur8hx2f",
      "Name": "Example-Configuration-Profile",
      "LocationUri": "ssm-parameter://Example-Parameter"
    }
  ]
}
```

### See Also

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

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

# ListDeployments

Service: AWS AppConfig

Lists the deployments for an environment in descending deployment number order.

## Request Syntax

```
GET /applications/ApplicationId/environments/EnvironmentId/deployments?
max_results=MaxResults&next_token=NextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### ApplicationId (p. 70)

The application ID.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

### EnvironmentId (p. 70)

The environment ID.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

### MaxResults (p. 70)

The maximum number of items that may be returned for this call. If there are items that have not yet been returned, the response will include a non-null `NextToken` that you can provide in a subsequent call to get the next set of results.

Valid Range: Minimum value of 1. Maximum value of 50.

### NextToken (p. 70)

The token returned by a prior call to this operation indicating the next set of results to be returned. If not specified, the operation will return the first set of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "CompletedAt": number,
      "ConfigurationName": "string",
```

```
    "ConfigurationVersion": "string",
    "DeploymentDurationInMinutes": number,
    "DeploymentNumber": number,
    "FinalBakeTimeInMinutes": number,
    "GrowthFactor": number,
    "GrowthType": "string",
    "PercentageComplete": number,
    "StartedAt": number,
    "State": "string"
  }
],
"NextToken": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### Items (p. 70)

The elements from this collection.

Type: Array of [DeploymentSummary \(p. 137\)](#) objects

### NextToken (p. 70)

The token for the next set of items to return. Use this token to get the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### BadRequestException

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

HTTP Status Code: 400

### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of ListDeployments.

## Sample Request

```
GET /applications/abc1234/environments/54j1r29/deployments HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.list-deployments
X-Amz-Date: 20210920T182141Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

## Sample Response

```
{
  "Items": [
    {
      "DeploymentNumber": 1,
      "ConfigurationName": "Example-Configuration-Profile",
      "ConfigurationVersion": "1",
      "DeploymentDurationInMinutes": 15,
      "GrowthType": "LINEAR",
      "GrowthFactor": 25.0,
      "FinalBakeTimeInMinutes": 0,
      "State": "COMPLETE",
      "PercentageComplete": 100.0,
      "StartedAt": "2021-09-17T21:43:54.205000+00:00",
      "CompletedAt": "2021-09-17T21:59:03.888000+00:00"
    }
  ]
}
```

## See Also

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

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

# ListDeploymentStrategies

Service: AWS AppConfig

Lists deployment strategies.

## Request Syntax

```
GET /deploymentstrategies?max_results=MaxResults&next_token=NextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### MaxResults (p. 73)

The maximum number of items to return for this call. The call also returns a token that you can specify in a subsequent call to get the next set of results.

Valid Range: Minimum value of 1. Maximum value of 50.

### NextToken (p. 73)

A token to start the list. Use this token to get the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "DeploymentDurationInMinutes": number,
      "Description": "string",
      "FinalBakeTimeInMinutes": number,
      "GrowthFactor": number,
      "GrowthType": "string",
      "Id": "string",
      "Name": "string",
      "ReplicateTo": "string"
    }
  ],
  "NextToken": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### Items (p. 73)

The elements from this collection.

Type: Array of [DeploymentStrategy \(p. 135\)](#) objects

### NextToken (p. 73)

The token for the next set of items to return. Use this token to get the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### BadRequestException

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

HTTP Status Code: 400

### InternalServerError

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

## Examples

### Example

This example illustrates one usage of ListDeploymentStrategies.

### Sample Request

```
GET /deploymentstrategies HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.list-deployment-strategies
X-Amz-Date: 20210920T174939Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

### Sample Response

```
{
  "Items": [
    {
      "Id": "1225qzk",
      "Name": "Example-Deployment",
      "DeploymentDurationInMinutes": 15,
      "GrowthType": "LINEAR",
      "GrowthFactor": 25.0,
      "FinalBakeTimeInMinutes": 0,
      "ReplicateTo": "SSM_DOCUMENT"
```

```
    },
    {
      "Id": "AppConfig.AllAtOnce",
      "Name": "AppConfig.AllAtOnce",
      "Description": "Quick",
      "DeploymentDurationInMinutes": 0,
      "GrowthType": "LINEAR",
      "GrowthFactor": 100.0,
      "FinalBakeTimeInMinutes": 10,
      "ReplicateTo": "NONE"
    },
    {
      "Id": "AppConfig.Linear50PercentEvery30Seconds",
      "Name": "AppConfig.Linear50PercentEvery30Seconds",
      "Description": "Test/Demo",
      "DeploymentDurationInMinutes": 1,
      "GrowthType": "LINEAR",
      "GrowthFactor": 50.0,
      "FinalBakeTimeInMinutes": 1,
      "ReplicateTo": "NONE"
    },
    {
      "Id": "AppConfig.Canary10Percent20Minutes",
      "Name": "AppConfig.Canary10Percent20Minutes",
      "Description": "AWS Recommended",
      "DeploymentDurationInMinutes": 20,
      "GrowthType": "EXPONENTIAL",
      "GrowthFactor": 10.0,
      "FinalBakeTimeInMinutes": 10,
      "ReplicateTo": "NONE"
    }
  ]
}
```

## See Also

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

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

# ListEnvironments

Service: AWS AppConfig

Lists the environments for an application.

## Request Syntax

```
GET /applications/ApplicationId/environments?max_results=MaxResults&next_token=NextToken
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### ApplicationId (p. 76)

The application ID.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

### MaxResults (p. 76)

The maximum number of items to return for this call. The call also returns a token that you can specify in a subsequent call to get the next set of results.

Valid Range: Minimum value of 1. Maximum value of 50.

### NextToken (p. 76)

A token to start the list. Use this token to get the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "ApplicationId": "string",
      "Description": "string",
      "Id": "string",
      "Monitors": [
        {
          "AlarmArn": "string",
          "AlarmRoleArn": "string"
        }
      ],
      "Name": "string",
      "State": "string"
    }
  ]
}
```



```
    }  
  ],  
  "NextToken": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### Items (p. 76)

The elements from this collection.

Type: Array of [Environment \(p. 139\)](#) objects

### NextToken (p. 76)

The token for the next set of items to return. Use this token to get the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### BadRequestException

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

HTTP Status Code: 400

### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of ListEnvironments.

### Sample Request

```
GET /applications/abc1234/environments HTTP/1.1  
Host: appconfig.us-east-1.amazonaws.com  
Accept-Encoding: identity  
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/  
x86_64.amzn.2 prompt/off command/appconfig.list-environments
```

```
X-Amz-Date: 20210920T182621Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

### Sample Response

```
{
  "Items": [
    {
      "ApplicationId": "abc1234",
      "Id": "54j1r29",
      "Name": "Example-Environment",
      "State": "ReadyForDeployment"
    }
  ]
}
```

### See Also

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

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

# ListHostedConfigurationVersions

Service: AWS AppConfig

Lists configurations stored in the AWS AppConfig hosted configuration store by version.

## Request Syntax

```
GET /applications/ApplicationId/configurationprofiles/ConfigurationProfileId/
hostedconfigurationversions?max_results=MaxResults&next_token=NextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### ApplicationId (p. 79)

The application ID.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

### ConfigurationProfileId (p. 79)

The configuration profile ID.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

### MaxResults (p. 79)

The maximum number of items to return for this call. The call also returns a token that you can specify in a subsequent call to get the next set of results.

Valid Range: Minimum value of 1. Maximum value of 50.

### NextToken (p. 79)

A token to start the list. Use this token to get the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2048.

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "ApplicationId": "string",
      "ConfigurationProfileId": "string",
      "ContentType": "string",
      "Description": "string",
```

```
    "VersionNumber": number
  }
],
"NextToken": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### Items (p. 79)

The elements from this collection.

Type: Array of [HostedConfigurationVersionSummary \(p. 141\)](#) objects

### NextToken (p. 79)

The token for the next set of items to return. Use this token to get the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### BadRequestException

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

HTTP Status Code: 400

### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of ListHostedConfigurationVersions.

### Sample Request

```
GET /applications/abc1234/configurationprofiles/ur8hx2f/hostedconfigurationversions
HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
```

```
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.list-hosted-configuration-versions
X-Amz-Date: 20210920T183555Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

### Sample Response

```
{
  "Items": [
    {
      "ApplicationId": "abc1234",
      "ConfigurationProfileId": "ur8hx2f",
      "VersionNumber": 1,
      "ContentType": "application/json"
    }
  ]
}
```

### See Also

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

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

## ListTagsForResource

Service: AWS AppConfig

Retrieves the list of key-value tags assigned to the resource.

### Request Syntax

```
GET /tags/ResourceArn HTTP/1.1
```

### URI Request Parameters

The request uses the following URI parameters.

#### ResourceArn (p. 82)

The resource ARN.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(aws[a-zA-Z-]*)?:[a-z]+(:[a-z]{2}((-gov)|(-iso(b?)))?-[a-z]+-\d{1})?:(\d{12})?:[a-zA-Z0-9-_/:.]+`

Required: Yes

### Request Body

The request does not have a request body.

### Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Tags": {
    "string" : "string"
  }
}
```

### Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

#### Tags (p. 82)

Metadata to assign to AWS AppConfig resources. Tags help organize and categorize your AWS AppConfig resources. Each tag consists of a key and an optional value, both of which you define.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Value Length Constraints: Maximum length of 256.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of ListTagsForResource.

#### Sample Request

```
GET /tags/arn%3Aaws%3Aappconfig%3Aus-east-1%3A682428703967%3Aapplication%abc1234 HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.list-tags-for-resource
X-Amz-Date: 20210920T205611Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

#### Sample Response

```
{
  "Tags": {
    "group1": "1"
  }
}
```

## See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)

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



# StartDeployment

Service: AWS AppConfig

Starts a deployment.

## Request Syntax

```
POST /applications/ApplicationId/environments/EnvironmentId/deployments HTTP/1.1
Content-type: application/json
```

```
{
  "ConfigurationProfileId": "string",
  "ConfigurationVersion": "string",
  "DeploymentStrategyId": "string",
  "Description": "string",
  "Tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 85)

The application ID.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

### **EnvironmentId** (p. 85)

The environment ID.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### **ConfigurationProfileId** (p. 85)

The configuration profile ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

Required: Yes

### **ConfigurationVersion** (p. 85)

The configuration version to deploy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

#### **DeploymentStrategyId (p. 85)**

The deployment strategy ID.

Type: String

Pattern: (<sup>^</sup>[a-z0-9]{4,7}\$|^AppConfig\.[A-Za-z0-9]{9,40}\$)

Required: Yes

#### **Description (p. 85)**

A description of the deployment.

Type: String

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

Required: No

#### **Tags (p. 85)**

Metadata to assign to the deployment. Tags help organize and categorize your AWS AppConfig resources. Each tag consists of a key and an optional value, both of which you define.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Value Length Constraints: Maximum length of 256.

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "ApplicationId": "string",
  "CompletedAt": number,
  "ConfigurationLocationUri": "string",
  "ConfigurationName": "string",
  "ConfigurationProfileId": "string",
  "ConfigurationVersion": "string",
  "DeploymentDurationInMinutes": number,
  "DeploymentNumber": number,
  "DeploymentStrategyId": "string",
  "Description": "string",
  "EnvironmentId": "string",
  "EventLog": [
    {
      "Description": "string",
      "EventType": "string",
      "OccurredAt": number,
      "TriggeredBy": "string"
    }
  ]
}
```

```
],  
  "FinalBakeTimeInMinutes": number,  
  "GrowthFactor": number,  
  "GrowthType": "string",  
  "PercentageComplete": number,  
  "StartedAt": number,  
  "State": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

### **ApplicationId** (p. 86)

The ID of the application that was deployed.

Type: String

Pattern: [a-z0-9]{4,7}

### **CompletedAt** (p. 86)

The time the deployment completed.

Type: Timestamp

### **ConfigurationLocationUri** (p. 86)

Information about the source location of the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

### **ConfigurationName** (p. 86)

The name of the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

### **ConfigurationProfileId** (p. 86)

The ID of the configuration profile that was deployed.

Type: String

Pattern: [a-z0-9]{4,7}

### **ConfigurationVersion** (p. 86)

The configuration version that was deployed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

### **DeploymentDurationInMinutes** (p. 86)

Total amount of time the deployment lasted.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

**DeploymentNumber (p. 86)**

The sequence number of the deployment.

Type: Integer

**DeploymentStrategyId (p. 86)**

The ID of the deployment strategy that was deployed.

Type: String

Pattern: [a-z0-9]{4,7}

**Description (p. 86)**

The description of the deployment.

Type: String

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

**EnvironmentId (p. 86)**

The ID of the environment that was deployed.

Type: String

Pattern: [a-z0-9]{4,7}

**EventLog (p. 86)**

A list containing all events related to a deployment. The most recent events are displayed first.

Type: Array of [DeploymentEvent \(p. 133\)](#) objects

**FinalBakeTimeInMinutes (p. 86)**

The amount of time that AWS AppConfig monitored for alarms before considering the deployment to be complete and no longer eligible for automatic rollback.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

**GrowthFactor (p. 86)**

The percentage of targets to receive a deployed configuration during each interval.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

**GrowthType (p. 86)**

The algorithm used to define how percentage grew over time.

Type: String

Valid Values: `LINEAR` | `EXPONENTIAL`

**PercentageComplete (p. 86)**

The percentage of targets for which the deployment is available.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

#### **StartedAt (p. 86)**

The time the deployment started.

Type: Timestamp

#### **State (p. 86)**

The state of the deployment.

Type: String

Valid Values: BAKING | VALIDATING | DEPLOYING | COMPLETE | ROLLING\_BACK | ROLLED\_BACK

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

#### **BadRequestException**

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

HTTP Status Code: 400

#### **ConflictException**

The request could not be processed because of conflict in the current state of the resource.

HTTP Status Code: 409

#### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

#### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of StartDeployment.

#### Sample Request

```
POST /applications/abc1234/environments/54j1r29/deployments HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.start-deployment
X-Amz-Date: 20210917T214353Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210917/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 101
```

```
{
  "DeploymentStrategyId": "1225qzk",
  "ConfigurationProfileId": "ur8hx2f",
  "ConfigurationVersion": "1"
}
```

### Sample Response

```
{
  "ApplicationId": "abc1234",
  "EnvironmentId": "54j1r29",
  "DeploymentStrategyId": "1225qzk",
  "ConfigurationProfileId": "ur8hx2f",
  "DeploymentNumber": 1,
  "ConfigurationName": "Example-Configuration-Profile",
  "ConfigurationLocationUri": "ssm-parameter://Example-Parameter",
  "ConfigurationVersion": "1",
  "DeploymentDurationInMinutes": 15,
  "GrowthType": "LINEAR",
  "GrowthFactor": 25.0,
  "FinalBakeTimeInMinutes": 0,
  "State": "DEPLOYING",
  "EventLog": [
    {
      "EventType": "DEPLOYMENT_STARTED",
      "TriggeredBy": "USER",
      "Description": "Deployment started",
      "OccurredAt": "2021-09-17T21:43:54.205000+00:00"
    }
  ],
  "PercentageComplete": 0.0,
  "StartedAt": "2021-09-17T21:43:54.205000+00:00"
}
```

## See Also

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

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

# StopDeployment

Service: AWS AppConfig

Stops a deployment. This API action works only on deployments that have a status of `DEPLOYING`. This action moves the deployment to a status of `ROLLED_BACK`.

## Request Syntax

```
DELETE /applications/ApplicationId/environments/EnvironmentId/deployments/DeploymentNumber
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### ApplicationId (p. 91)

The application ID.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

### DeploymentNumber (p. 91)

The sequence number of the deployment.

Required: Yes

### EnvironmentId (p. 91)

The environment ID.

Pattern: `[a-z0-9]{4,7}`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
  "ApplicationId": "string",
  "CompletedAt": number,
  "ConfigurationLocationUri": "string",
  "ConfigurationName": "string",
  "ConfigurationProfileId": "string",
  "ConfigurationVersion": "string",
  "DeploymentDurationInMinutes": number,
  "DeploymentNumber": number,
  "DeploymentStrategyId": "string",
  "Description": "string",
  "EnvironmentId": "string",
```

```
"EventLog": [
  {
    "Description": "string",
    "EventType": "string",
    "OccurredAt": number,
    "TriggeredBy": "string"
  }
],
"FinalBakeTimeInMinutes": number,
"GrowthFactor": number,
"GrowthType": "string",
"PercentageComplete": number,
"StartedAt": number,
"State": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 202 response.

The following data is returned in JSON format by the service.

### ApplicationId (p. 91)

The ID of the application that was deployed.

Type: String

Pattern: [a-z0-9]{4,7}

### CompletedAt (p. 91)

The time the deployment completed.

Type: Timestamp

### ConfigurationLocationUri (p. 91)

Information about the source location of the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

### ConfigurationName (p. 91)

The name of the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

### ConfigurationProfileId (p. 91)

The ID of the configuration profile that was deployed.

Type: String

Pattern: [a-z0-9]{4,7}

### ConfigurationVersion (p. 91)

The configuration version that was deployed.

Type: String



Length Constraints: Minimum length of 1. Maximum length of 1024.

**DeploymentDurationInMinutes (p. 91)**

Total amount of time the deployment lasted.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

**DeploymentNumber (p. 91)**

The sequence number of the deployment.

Type: Integer

**DeploymentStrategyId (p. 91)**

The ID of the deployment strategy that was deployed.

Type: String

Pattern: [a-z0-9]{4,7}

**Description (p. 91)**

The description of the deployment.

Type: String

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

**EnvironmentId (p. 91)**

The ID of the environment that was deployed.

Type: String

Pattern: [a-z0-9]{4,7}

**EventLog (p. 91)**

A list containing all events related to a deployment. The most recent events are displayed first.

Type: Array of [DeploymentEvent \(p. 133\)](#) objects

**FinalBakeTimeInMinutes (p. 91)**

The amount of time that AWS AppConfig monitored for alarms before considering the deployment to be complete and no longer eligible for automatic rollback.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

**GrowthFactor (p. 91)**

The percentage of targets to receive a deployed configuration during each interval.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

**GrowthType (p. 91)**

The algorithm used to define how percentage grew over time.

Type: String

Valid Values: `LINEAR` | `EXPONENTIAL`

#### **PercentageComplete (p. 91)**

The percentage of targets for which the deployment is available.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

#### **StartedAt (p. 91)**

The time the deployment started.

Type: Timestamp

#### **State (p. 91)**

The state of the deployment.

Type: String

Valid Values: `BAKING` | `VALIDATING` | `DEPLOYING` | `COMPLETE` | `ROLLING_BACK` | `ROLLED_BACK`

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

#### **BadRequestException**

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

HTTP Status Code: 400

#### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

#### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of `StopDeployment`.

#### **Sample Request**

```
DELETE /applications/abc1234/environments/54j1r29/deployments/2 HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.stop-deployment
X-Amz-Date: 20210920T210612Z
```

```
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 0
```

### Sample Response

```
{
  "DeploymentNumber": 0,
  "DeploymentDurationInMinutes": 0,
  "GrowthFactor": 0.0,
  "FinalBakeTimeInMinutes": 0,
  "PercentageComplete": 0.0
}
```

## See Also

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

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

# TagResource

Service: AWS AppConfig

Assigns metadata to an AWS AppConfig resource. Tags help organize and categorize your AWS AppConfig resources. Each tag consists of a key and an optional value, both of which you define. You can specify a maximum of 50 tags for a resource.

## Request Syntax

```
POST /tags/ResourceArn HTTP/1.1
Content-type: application/json

{
  "Tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### ResourceArn (p. 96)

The ARN of the resource for which to retrieve tags.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(aws[a-zA-Z-]*)?:[a-z]+:([a-z]{2}((-gov)|(-iso(b?))))?-[a-z]+-\d{1})?:([a-zA-Z0-9-_/:.]+)`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### Tags (p. 96)

The key-value string map. The valid character set is `[a-zA-Z+-.:/]`. The tag key can be up to 128 characters and must not start with `aws:`. The tag value can be up to 256 characters.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Value Length Constraints: Maximum length of 256.

Required: Yes

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of TagResource.

#### Sample Request

```
POST /tags/arn%3Aaws%3Aappconfig%3Aus-east-1%3A111122223333%3Aapplication%abc1234 HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.tag-resource
X-Amz-Date: 20210920T185502Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 25

{
  "Tags": {"group1": "1"}
}
```

#### Sample Response

```
{}
```

## See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)

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

# UntagResource

Service: AWS AppConfig

Deletes a tag key and value from an AWS AppConfig resource.

## Request Syntax

```
DELETE /tags/ResourceArn?tagKeys=TagKeys HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### **ResourceArn** (p. 99)

The ARN of the resource for which to remove tags.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(aws[a-zA-Z-]*)?:[a-z]+:([a-z]{2}((-gov)|(-iso(b?))))?-[a-z]+-\d{1})?:([a-zA-Z0-9-_/:.]+`

Required: Yes

### **TagKeys** (p. 99)

The tag keys to delete.

Array Members: Minimum number of 0 items. Maximum number of 50 items.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of UntagResource.

#### Sample Request

```
DELETE /tags/arn%3Aaws%3Aappconfig%3Aus-east-1%3A11122223333%3Aapplication%abc1234?tagKeys=group1 HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/x86_64.amzn.2 prompt/off command/appconfig.untag-resource
X-Amz-Date: 20210920T211702Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 0
```

#### Sample Response

```
{}
```

## See Also

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

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



# UpdateApplication

Service: AWS AppConfig

Updates an application.

## Request Syntax

```
PATCH /applications/ApplicationId HTTP/1.1
Content-type: application/json

{
  "Description": "string",
  "Name": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 101)

The application ID.

Pattern: [a-z0-9]{4,7}

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### **Description** (p. 101)

A description of the application.

Type: String

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

Required: No

### **Name** (p. 101)

The name of the application.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
"Description": "string",  
"Id": "string",  
"Name": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### Description (p. 101)

The description of the application.

Type: String

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

### Id (p. 101)

The application ID.

Type: String

Pattern: [a-z0-9]{4,7}

### Name (p. 101)

The application name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### BadRequestException

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

HTTP Status Code: 400

### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of UpdateApplication.

## Sample Request

```
PATCH /applications/abc1234 HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.update-application
X-Amz-Date: 20210920T212018Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 31

{
  "Name": "Example-Application"
}
```

## Sample Response

```
{
  "Id": "abc1234",
  "Name": "Example-Application",
  "Description": "An application used for creating an example."
}
```

## See Also

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

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

# UpdateConfigurationProfile

Service: AWS AppConfig

Updates a configuration profile.

## Request Syntax

```
PATCH /applications/ApplicationId/configurationprofiles/ConfigurationProfileId HTTP/1.1  
Content-type: application/json
```

```
{  
  "Description": "string",  
  "Name": "string",  
  "RetrievalRoleArn": "string",  
  "Validators": [  
    {  
      "Content": "string",  
      "Type": "string"  
    }  
  ]  
}
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 104)

The application ID.

Pattern: [a-z0-9]{4,7}

Required: Yes

### **ConfigurationProfileId** (p. 104)

The ID of the configuration profile.

Pattern: [a-z0-9]{4,7}

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### **Description** (p. 104)

A description of the configuration profile.

Type: String

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

Required: No

### **Name** (p. 104)

The name of the configuration profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

#### [RetrievalRoleArn \(p. 104\)](#)

The ARN of an IAM role with permission to access the configuration at the specified `LocationUri`.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^((arn):(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):(iam)::\d{12}:role[/].*)$`

Required: No

#### [Validators \(p. 104\)](#)

A list of methods for validating the configuration.

Type: Array of [Validator \(p. 145\)](#) objects

Array Members: Minimum number of 0 items. Maximum number of 2 items.

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "ApplicationId": "string",
  "Description": "string",
  "Id": "string",
  "LocationUri": "string",
  "Name": "string",
  "RetrievalRoleArn": "string",
  "Type": "string",
  "Validators": [
    {
      "Content": "string",
      "Type": "string"
    }
  ]
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

#### [ApplicationId \(p. 105\)](#)

The application ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

**Description (p. 105)**

The configuration profile description.

Type: String

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

**Id (p. 105)**

The configuration profile ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

**LocationUri (p. 105)**

The URI location of the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

**Name (p. 105)**

The name of the configuration profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

**RetrievalRoleArn (p. 105)**

The ARN of an IAM role with permission to access the configuration at the specified `LocationUri`.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^((arn):(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):(iam)::\d{12}:role[/].*)$`

**Type (p. 105)**

The type of configurations contained in the profile. AWS AppConfig supports `feature flags` and `freeform` configurations. We recommend you create feature flag configurations to enable or disable new features and freeform configurations to distribute configurations to an application. When calling this API, enter one of the following values for `Type`:

`AWS.AppConfig.FeatureFlags`

`AWS.Freeform`

Type: String

Pattern: `^[a-zA-Z\.\.]+`

**Validators (p. 105)**

A list of methods for validating the configuration.

Type: Array of [Validator \(p. 145\)](#) objects

Array Members: Minimum number of 0 items. Maximum number of 2 items.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of UpdateConfigurationProfile.

#### Sample Request

```
PATCH /applications/abc1234/configurationprofiles/ur8hx2f HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.update-configuration-profile
X-Amz-Date: 20210920T213335Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 59

{
  "Description": "Configuration profile used for examples."
}
```

#### Sample Response

```
{
  "ApplicationId": "abc1234",
  "Id": "ur8hx2f",
  "Name": "Example-Configuration-Profile",
  "Description": "Configuration profile used for examples.",
  "LocationUri": "ssm-parameter://Example-Parameter",
  "RetrievalRoleArn": "arn:aws:iam::682428703967:role/Example-App-Config-Role"
}
```

## See Also

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

- [AWS Command Line Interface](#)

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



# UpdateDeploymentStrategy

Service: AWS AppConfig

Updates a deployment strategy.

## Request Syntax

```
PATCH /deploymentstrategies/DeploymentStrategyId HTTP/1.1
Content-type: application/json

{
  "DeploymentDurationInMinutes": number,
  "Description": "string",
  "FinalBakeTimeInMinutes": number,
  "GrowthFactor": number,
  "GrowthType": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### **DeploymentStrategyId** (p. 109)

The deployment strategy ID.

Pattern: (`^[a-z0-9]{4,7}$` | `^AppConfig\[A-Za-z0-9]{9,40}$`)

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### **DeploymentDurationInMinutes** (p. 109)

Total amount of time for a deployment to last.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

Required: No

### **Description** (p. 109)

A description of the deployment strategy.

Type: String

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

Required: No

### **FinalBakeTimeInMinutes** (p. 109)

The amount of time that AWS AppConfig monitors for alarms before considering the deployment to be complete and no longer eligible for automatic rollback.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

Required: No

#### GrowthFactor (p. 109)

The percentage of targets to receive a deployed configuration during each interval.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

Required: No

#### GrowthType (p. 109)

The algorithm used to define how percentage grows over time. AWS AppConfig supports the following growth types:

**Linear:** For this type, AWS AppConfig processes the deployment by increments of the growth factor evenly distributed over the deployment time. For example, a linear deployment that uses a growth factor of 20 initially makes the configuration available to 20 percent of the targets. After 1/5th of the deployment time has passed, the system updates the percentage to 40 percent. This continues until 100% of the targets are set to receive the deployed configuration.

**Exponential:** For this type, AWS AppConfig processes the deployment exponentially using the following formula:  $G * (2^N)$ . In this formula,  $G$  is the growth factor specified by the user and  $N$  is the number of steps until the configuration is deployed to all targets. For example, if you specify a growth factor of 2, then the system rolls out the configuration as follows:

$2 * (2^0)$

$2 * (2^1)$

$2 * (2^2)$

Expressed numerically, the deployment rolls out as follows: 2% of the targets, 4% of the targets, 8% of the targets, and continues until the configuration has been deployed to all targets.

Type: String

Valid Values: LINEAR | EXPONENTIAL

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "DeploymentDurationInMinutes": number,
  "Description": "string",
  "FinalBakeTimeInMinutes": number,
  "GrowthFactor": number,
  "GrowthType": "string",
  "Id": "string",
  "Name": "string",
  "ReplicateTo": "string"
```

```
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### **DeploymentDurationInMinutes** (p. 110)

Total amount of time the deployment lasted.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

### **Description** (p. 110)

The description of the deployment strategy.

Type: String

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

### **FinalBakeTimeInMinutes** (p. 110)

The amount of time that AWS AppConfig monitored for alarms before considering the deployment to be complete and no longer eligible for automatic rollback.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

### **GrowthFactor** (p. 110)

The percentage of targets that received a deployed configuration during each interval.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

### **GrowthType** (p. 110)

The algorithm used to define how percentage grew over time.

Type: String

Valid Values: `LINEAR` | `EXPONENTIAL`

### **Id** (p. 110)

The deployment strategy ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

### **Name** (p. 110)

The name of the deployment strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

### ReplicateTo (p. 110)

Save the deployment strategy to a Systems Manager (SSM) document.

Type: String

Valid Values: NONE | SSM\_DOCUMENT

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### BadRequestException

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

HTTP Status Code: 400

### InternalServerErrorException

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of UpdateDeploymentStrategy.

### Sample Request

```
PATCH /deploymentstrategies/1225qzk HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.update-deployment-strategy
X-Amz-Date: 20210920T213749Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 30

{
  "FinalBakeTimeInMinutes": 20
}
```

### Sample Response

```
{
  "Id": "1225qzk",
  "Name": "Example-Deployment",
  "DeploymentDurationInMinutes": 15,
  "GrowthType": "LINEAR",
```

```
"GrowthFactor": 25.0,  
"FinalBakeTimeInMinutes": 20,  
"ReplicateTo": "SSM_DOCUMENT"  
}
```

## See Also

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

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

# UpdateEnvironment

Service: AWS AppConfig

Updates an environment.

## Request Syntax

```
PATCH /applications/ApplicationId/environments/EnvironmentId HTTP/1.1
Content-type: application/json

{
  "Description": "string",
  "Monitors": [
    {
      "AlarmArn": "string",
      "AlarmRoleArn": "string"
    }
  ],
  "Name": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 114)

The application ID.

Pattern: [a-z0-9]{4,7}

Required: Yes

### **EnvironmentId** (p. 114)

The environment ID.

Pattern: [a-z0-9]{4,7}

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### **Description** (p. 114)

A description of the environment.

Type: String

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

Required: No

### **Monitors** (p. 114)

Amazon CloudWatch alarms to monitor during the deployment process.

Type: Array of [Monitor](#) (p. 144) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

#### **Name (p. 114)**

The name of the environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "ApplicationId": "string",
  "Description": "string",
  "Id": "string",
  "Monitors": [
    {
      "AlarmArn": "string",
      "AlarmRoleArn": "string"
    }
  ],
  "Name": "string",
  "State": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

#### **ApplicationId (p. 115)**

The application ID.

Type: String

Pattern: [a-z0-9]{4,7}

#### **Description (p. 115)**

The description of the environment.

Type: String

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

#### **Id (p. 115)**

The environment ID.

Type: String

Pattern: [a-z0-9]{4,7}

### Monitors (p. 115)

Amazon CloudWatch alarms monitored during the deployment.

Type: Array of [Monitor \(p. 144\)](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

### Name (p. 115)

The name of the environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

### State (p. 115)

The state of the environment. An environment can be in one of the following states: READY\_FOR\_DEPLOYMENT, DEPLOYING, ROLLING\_BACK, or ROLLED\_BACK

Type: String

Valid Values: READY\_FOR\_DEPLOYMENT | DEPLOYING | ROLLING\_BACK | ROLLED\_BACK

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### BadRequestException

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

HTTP Status Code: 400

### InternalServerError

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of UpdateEnvironment.

### Sample Request

```
PATCH /applications/abc1234/environments/54j1r29 HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.update-environment
X-Amz-Date: 20210920T214253Z
```



```
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 47
```

```
{
  "Description": "An environment for examples."
}
```

### Sample Response

```
{
  "ApplicationId": "abc1234",
  "Id": "54j1r29",
  "Name": "Example-Environment",
  "Description": "An environment for examples.",
  "State": "RolledBack"
}
```

## See Also

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

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

# ValidateConfiguration

Service: AWS AppConfig

Uses the validators in a configuration profile to validate a configuration.

## Request Syntax

```
POST /applications/ApplicationId/configurationprofiles/ConfigurationProfileId/validators?
configuration_version=ConfigurationVersion HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### **ApplicationId** (p. 118)

The application ID.

Pattern: [a-z0-9]{4,7}

Required: Yes

### **ConfigurationProfileId** (p. 118)

The configuration profile ID.

Pattern: [a-z0-9]{4,7}

Required: Yes

### **ConfigurationVersion** (p. 118)

The version of the configuration to validate.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### **BadRequestException**

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

HTTP Status Code: 400

#### **InternalServerErrorException**

There was an internal failure in the AWS AppConfig service.

HTTP Status Code: 500

#### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

## Examples

### Example

This example illustrates one usage of `ValidateConfiguration`.

#### Sample Request

```
POST /applications/abc1234/configurationprofiles/ur8hx2f/validators?configuration_version=1
HTTP/1.1
Host: appconfig.us-east-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.2.4 Python/3.8.8 Linux/5.4.134-73.228.amzn2int.x86_64 exe/
x86_64.amzn.2 prompt/off command/appconfig.validate-configuration
X-Amz-Date: 20210920T214947Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20210920/us-east-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
Content-Length: 0
```

#### Sample Response

```
{}
```

## See Also

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

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

# AWS AppConfig Data

The following actions are supported by AWS AppConfig Data:

- [GetLatestConfiguration](#) (p. 121)
- [StartConfigurationSession](#) (p. 124)

## GetLatestConfiguration

Service: AWS AppConfig Data

Retrieves the latest deployed configuration. This API may return empty configuration data if the client already has the latest version. For more information about this API action and to view example AWS CLI commands that show how to use it with the [StartConfigurationSession \(p. 124\)](#) API action, see [Retrieving the configuration](#) in the *AWS AppConfig User Guide*.

### Important

Note the following important information.

- Each configuration token is only valid for one call to `GetLatestConfiguration`. The `GetLatestConfiguration` response includes a `NextPollConfigurationToken` that should always replace the token used for the just-completed call in preparation for the next one.
- `GetLatestConfiguration` is a priced call. For more information, see [Pricing](#).

## Request Syntax

```
GET /configuration?configuration_token=ConfigurationToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### ConfigurationToken (p. 121)

Token describing the current state of the configuration session. To obtain a token, first call the [StartConfigurationSession \(p. 124\)](#) API. Note that every call to `GetLatestConfiguration` will return a new `ConfigurationToken` (`NextPollConfigurationToken` in the response) and *must* be provided to subsequent `GetLatestConfiguration` API calls.

### Important

This token expires after 24 hours. If a `GetLatestConfiguration` call uses an expired token, the system returns `BadRequestException`.

Pattern: `\S{1,8192}`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Next-Poll-Configuration-Token: NextPollConfigurationToken
Next-Poll-Interval-In-Seconds: NextPollIntervalInSeconds
Content-Type: ContentType

Configuration
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The response returns the following HTTP headers.

**ContentType (p. 121)**

A standard MIME type describing the format of the configuration content.

**NextPollConfigurationToken (p. 121)**

The latest token describing the current state of the configuration session. This *must* be provided to the next call to `GetLatestConfiguration`.

**Important**

This token expires after 24 hours. If a `GetLatestConfiguration` call uses an expired token, the system returns `BadRequestException`.

Pattern: `\S{1,8192}`

**NextPollIntervalInSeconds (p. 121)**

The amount of time the client should wait before polling for configuration updates again. Use `RequiredMinimumPollIntervalInSeconds` to set the desired poll interval.

The response returns the following as the HTTP body.

**Configuration (p. 121)**

The data of the configuration. This may be empty if the client already has the latest version of configuration.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

**BadRequestException**

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

HTTP Status Code: 400

**InternalServerErrorException**

There was an internal failure in the service.

HTTP Status Code: 500

**ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

**ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

## Examples

### Example

This example illustrates one usage of `GetLatestConfiguration`.

```
GET /configuration?
configuration_token=AYADeNgfsRxdKiJ37A12OZ9vN2cAXwABABVhd3MtY3J5cHRvLXB1YmxpYy1rZXkAREF1Rz1
%2F%3SKKgyWlnOeBtS6go21vVPA6b8%2FwoFpxhzwjxy80jOfkVC2lM2l626BnJCvSPFfuZvzc
%2FQIAAAAAADAAEEAAAAAAAAAAAAAAAAADpQpWKSwnomgzEkYmidGKJ
%2F%2F%2F%2F%2FwAAAAEAAAAAAAAAAAAAAAAEAAAD8yfxkWB0geYfyI
%2BDNJGiryebhmEoi8S8UHZZSNN5JjJzTN2iORkjrA3DVvnhBTfoPh7o5b14jwsYa
%2F6as%2BmuQ9ntjYwymTzu7inYhsICYUKEDFxonBFJAeC32jEfg
%2FMbPaGLOhNhDiSiPalMlOYmsw7phgl6ldbs9qrKVLlk1WNO3XTJiXyaWY4ANmFAx2JgMbGvNNY3HbfUneDGOENg6I
%2F0r2pNiW9d6q%2BWDD1w4T87gCxcgUGEpb
%2FJ7JG3RhpGvECUmGKAOT06MJA7kwdt2IofDaLzRppFGpgLoPmxpM4qHz
%2Fw6dMDmeXybKNZP84UP12zsJtUMhuspEQBnMGUCMQD8ssc6G8e6u8nov1ZdgF4m1ad3qyjiFd9DNRZHGlrFpw7%2B
%2FRB11%2FIExp2FtUlkCMBT9oN1ClJg4l9uGW5%2FqAiJ5n9ivK0ElRMwpvx96damGxt125XtMkmYf6a0OWSqnBw
%3D%3D HTTP/1.1
Host: appconfigdata.us-west-1.amazonaws.com
Accept-Encoding: identity
User-Agent: aws-cli/2.4.15 Python/3.8.8 Windows/10 exe/AMD64 prompt/off command/
appconfigdata.get-latest-configuration
X-Amz-Date: 20220218T190734Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20220218/us-west-1/
appconfig/aws4_request, SignedHeaders=host;x-amz-date, Signature=39c3b3042cd2aEXAMPLE
```

```
{
  "betaGroup": {
    "enabled": true
  }
}
```

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

# StartConfigurationSession

Service: AWS AppConfig Data

Starts a configuration session used to retrieve a deployed configuration. For more information about this API action and to view example AWS CLI commands that show how to use it with the [GetLatestConfiguration \(p. 121\)](#) API action, see [Retrieving the configuration](#) in the *AWS AppConfig User Guide*.

## Request Syntax

```
POST /configurationsessions HTTP/1.1
Content-type: application/json

{
  "ApplicationIdentifier": "string",
  "ConfigurationProfileIdentifier": "string",
  "EnvironmentIdentifier": "string",
  "RequiredMinimumPollIntervalInSeconds": number
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### **ApplicationIdentifier (p. 124)**

The application ID or the application name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

### **ConfigurationProfileIdentifier (p. 124)**

The configuration profile ID or the configuration profile name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

### **EnvironmentIdentifier (p. 124)**

The environment ID or the environment name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes



### RequiredMinimumPollIntervalInSeconds (p. 124)

Sets a constraint on a session. If you specify a value of, for example, 60 seconds, then the client that established the session can't call [GetLatestConfiguration \(p. 121\)](#) more frequently than every 60 seconds.

Type: Integer

Valid Range: Minimum value of 15. Maximum value of 86400.

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "InitialConfigurationToken": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

### InitialConfigurationToken (p. 125)

Token encapsulating state about the configuration session. Provide this token to the [GetLatestConfiguration](#) API to retrieve configuration data.

#### Important

This token should only be used once in your first call to [GetLatestConfiguration](#). You *must* use the new token in the [GetLatestConfiguration](#) response ([NextPollConfigurationToken](#)) in each subsequent call to [GetLatestConfiguration](#). This token and the [NextPollConfigurationToken](#) token expire after 24 hours. If a [GetLatestConfiguration](#) call uses an expired token, the system returns [BadRequestException](#).

Type: String

Pattern: `\S{1,8192}`

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 150\)](#).

### BadRequestException

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

HTTP Status Code: 400

### InternalServerErrorException

There was an internal failure in the service.

HTTP Status Code: 500

#### **ResourceNotFoundException**

The requested resource could not be found.

HTTP Status Code: 404

#### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

## Examples

### Example

This example illustrates one usage of StartConfigurationSession.

#### Sample Request

```
POST /configurationsessions HTTP/1.1
Host: appconfigdata.us-west-1.amazonaws.com
Accept-Encoding: identity
Content-Type: application/json
User-Agent: aws-cli/2.4.15 Python/3.8.8 Windows/10 exe/AMD64 prompt/off command/
appconfigdata.start-configuration-session
X-Amz-Date: 20220218T190442Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20220218/us-
west-1/appconfig/aws4_request, SignedHeaders=content-type;host;x-amz-date,
Signature=39c3b3042cd2aEXAMPLE
Content-Length: 141

{"ApplicationIdentifier": "MyMobileApp", "ConfigurationProfileIdentifier":
  "MyAccessListFlag", "EnvironmentIdentifier": "MyMobileAppProdEnv"}
```

#### Sample Response

```
{
  "InitialConfigurationToken":
    "AYADeNgfsRxdKiJ37A12OZ9vN2cAXwABABVhd3MtY3J5cHRvLXB1YmxpYy1rZXkAREF1Rz1LMTg1Tkx2Wjk4OGV2UXkyQ1UxV2Zxa
    x3SKKgYw1nOeBtS6go21vVPA6b8/woFpxhzwjxy80jOfkVC2lM2l626BnJCvSPFfuZvcz/
    QIAAAAAAAAEAAAAAAAAAAAAAAAAADpQpWKSwnomgzEkYmidGKJ/////
    wAAAAEAAAAAAAAAAAAAAAAEAAAD8yfxkWB0geYfyI
    +DNJGiryebhmEoi8S8UHZSNN5JjJzTN2iORkjrA3DVvnhBTfoPh7o5b14jwSYa/6as
    +muQ9ntjYwymTZu7inYhsICYUKEDFxonBFJJaEC32jEfg/
    MbPaGLOhNHdISiPALMlOYmsw7phgl6ldbs9qrKVLlk1WNO3XTJiXyaWY4ANMfAX2JgMbGvNNY3HbfUneDGOENg6IfwKDykeELIrJ6fe
    +WDD1w4T87gCxCgUGEpb/J7JG3RhpGvECUmGKAOT06MjA7kWdt2IoFdaLzRppFGpgLoPmXpM4qHz/
    w6dMDmeXybKNZP84UP12zsJtUMhusPEQBnMGUCMQD8ssc6G8e6u8nov1ZdgF4mlad3qyjiFd9DNRZHgLRfpw7+QIO/
    RB1l/IExp2ftUlkCMBT9oN1ClJg4l9uGW5/qAiJ5n9ivK0ELRMwpvx96damGxt125XtMkmYf6a0OWSqnBw=="
}
```

## See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

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

# Data Types

The following data types are supported by AWS AppConfig:

- [Application](#) (p. 129)
- [BadRequestDetails](#) (p. 130)
- [ConfigurationProfileSummary](#) (p. 131)
- [DeploymentEvent](#) (p. 133)
- [DeploymentStrategy](#) (p. 135)
- [DeploymentSummary](#) (p. 137)
- [Environment](#) (p. 139)
- [HostedConfigurationVersionSummary](#) (p. 141)
- [InvalidConfigurationDetail](#) (p. 143)
- [Monitor](#) (p. 144)
- [Validator](#) (p. 145)

The following data types are supported by AWS AppConfig Data:

- [BadRequestDetails](#) (p. 146)
- [InvalidParameterDetail](#) (p. 147)

## AWS AppConfig

The following data types are supported by AWS AppConfig:

- [Application](#) (p. 129)
- [BadRequestDetails](#) (p. 130)
- [ConfigurationProfileSummary](#) (p. 131)
- [DeploymentEvent](#) (p. 133)
- [DeploymentStrategy](#) (p. 135)
- [DeploymentSummary](#) (p. 137)
- [Environment](#) (p. 139)
- [HostedConfigurationVersionSummary](#) (p. 141)
- [InvalidConfigurationDetail](#) (p. 143)
- [Monitor](#) (p. 144)
- [Validator](#) (p. 145)

# Application

Service: AWS AppConfig

## Contents

### Description

The description of the application.

Type: String

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

Required: No

### Id

The application ID.

Type: String

Pattern: [a-z0-9]{4,7}

Required: No

### Name

The application name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

## See Also

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

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

# BadRequestDetails

Service: AWS AppConfig

Detailed information about the input that failed to satisfy the constraints specified by a call.

## Contents

### InvalidConfiguration

Detailed information about the bad request exception error when creating a hosted configuration version.

Type: Array of [InvalidConfigurationDetail](#) (p. 143) objects

Required: No

## See Also

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

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

# ConfigurationProfileSummary

Service: AWS AppConfig

A summary of a configuration profile.

## Contents

### ApplicationId

The application ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

Required: No

### Id

The ID of the configuration profile.

Type: String

Pattern: `[a-z0-9]{4,7}`

Required: No

### LocationUri

The URI location of the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

### Name

The name of the configuration profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

### Type

The type of configurations contained in the profile. AWS AppConfig supports `feature flags` and `freeform` configurations. We recommend you create feature flag configurations to enable or disable new features and freeform configurations to distribute configurations to an application. When calling this API, enter one of the following values for `Type`:

`AWS.AppConfig.FeatureFlags`

`AWS.Freeform`

Type: String

Pattern: `^[a-zA-Z\.\.]+`

Required: No

### ValidatorTypes

The types of validators in the configuration profile.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 2 items.

Valid Values: `JSON_SCHEMA` | `LAMBDA`

Required: No

## See Also

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

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



# DeploymentEvent

Service: AWS AppConfig

An object that describes a deployment event.

## Contents

### Description

A description of the deployment event. Descriptions include, but are not limited to, the user account or the Amazon CloudWatch alarm ARN that initiated a rollback, the percentage of hosts that received the deployment, or in the case of an internal error, a recommendation to attempt a new deployment.

Type: String

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

Required: No

### EventType

The type of deployment event. Deployment event types include the start, stop, or completion of a deployment; a percentage update; the start or stop of a bake period; and the start or completion of a rollback.

Type: String

Valid Values: PERCENTAGE\_UPDATED | ROLLBACK\_STARTED | ROLLBACK\_COMPLETED | BAKE\_TIME\_STARTED | DEPLOYMENT\_STARTED | DEPLOYMENT\_COMPLETED

Required: No

### OccurredAt

The date and time the event occurred.

Type: Timestamp

Required: No

### TriggeredBy

The entity that triggered the deployment event. Events can be triggered by a user, AWS AppConfig, an Amazon CloudWatch alarm, or an internal error.

Type: String

Valid Values: USER | APPCONFIG | CLOUDWATCH\_ALARM | INTERNAL\_ERROR

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

# DeploymentStrategy

Service: AWS AppConfig

## Contents

### DeploymentDurationInMinutes

Total amount of time the deployment lasted.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

Required: No

### Description

The description of the deployment strategy.

Type: String

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

Required: No

### FinalBakeTimeInMinutes

The amount of time that AWS AppConfig monitored for alarms before considering the deployment to be complete and no longer eligible for automatic rollback.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

Required: No

### GrowthFactor

The percentage of targets that received a deployed configuration during each interval.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

Required: No

### GrowthType

The algorithm used to define how percentage grew over time.

Type: String

Valid Values: `LINEAR` | `EXPONENTIAL`

Required: No

### Id

The deployment strategy ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

Required: No

**Name**

The name of the deployment strategy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

**ReplicateTo**

Save the deployment strategy to a Systems Manager (SSM) document.

Type: String

Valid Values: NONE | SSM\_DOCUMENT

Required: No

## See Also

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

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

# DeploymentSummary

Service: AWS AppConfig

Information about the deployment.

## Contents

### **CompletedAt**

Time the deployment completed.

Type: Timestamp

Required: No

### **ConfigurationName**

The name of the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

### **ConfigurationVersion**

The version of the configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

### **DeploymentDurationInMinutes**

Total amount of time the deployment lasted.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

Required: No

### **DeploymentNumber**

The sequence number of the deployment.

Type: Integer

Required: No

### **FinalBakeTimeInMinutes**

The amount of time that AWS AppConfig monitors for alarms before considering the deployment to be complete and no longer eligible for automatic rollback.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1440.

Required: No

**GrowthFactor**

The percentage of targets to receive a deployed configuration during each interval.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

Required: No

**GrowthType**

The algorithm used to define how percentage grows over time.

Type: String

Valid Values: `LINEAR` | `EXPONENTIAL`

Required: No

**PercentageComplete**

The percentage of targets for which the deployment is available.

Type: Float

Valid Range: Minimum value of 1.0. Maximum value of 100.0.

Required: No

**StartedAt**

Time the deployment started.

Type: Timestamp

Required: No

**State**

The state of the deployment.

Type: String

Valid Values: `BAKING` | `VALIDATING` | `DEPLOYING` | `COMPLETE` | `ROLLING_BACK` | `ROLLED_BACK`

Required: No

## See Also

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

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

# Environment

Service: AWS AppConfig

## Contents

### ApplicationId

The application ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

Required: No

### Description

The description of the environment.

Type: String

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

Required: No

### Id

The environment ID.

Type: String

Pattern: `[a-z0-9]{4,7}`

Required: No

### Monitors

Amazon CloudWatch alarms monitored during the deployment.

Type: Array of [Monitor \(p. 144\)](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

### Name

The name of the environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

### State

The state of the environment. An environment can be in one of the following states: `READY_FOR_DEPLOYMENT`, `DEPLOYING`, `ROLLING_BACK`, or `ROLLED_BACK`

Type: String

Valid Values: `READY_FOR_DEPLOYMENT` | `DEPLOYING` | `ROLLING_BACK` | `ROLLED_BACK`

Required: No

## See Also

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

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



# HostedConfigurationVersionSummary

Service: AWS AppConfig

Information about the configuration.

## Contents

### ApplicationId

The application ID.

Type: String

Pattern: [a-z0-9]{4,7}

Required: No

### ConfigurationProfileId

The configuration profile ID.

Type: String

Pattern: [a-z0-9]{4,7}

Required: No

### ContentType

A standard MIME type describing the format of the configuration content. For more information, see [Content-Type](#).

Type: String

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

Required: No

### Description

A description of the configuration.

Type: String

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

Required: No

### VersionNumber

The configuration version.

Type: Integer

Required: No

## See Also

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

- [AWS SDK for C++](#)

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

# InvalidConfigurationDetail

Service: AWS AppConfig

Detailed information about the bad request exception error when creating a hosted configuration version.

## Contents

### Constraint

The invalid or out-of-range validation constraint in your JSON schema that failed validation.

Type: String

Required: No

### Location

Location of the validation constraint in the configuration JSON schema that failed validation.

Type: String

Required: No

### Reason

The reason for an invalid configuration error.

Type: String

Required: No

### Type

The type of error for an invalid configuration.

Type: String

Required: No

## See Also

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

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

## Monitor

Service: AWS AppConfig

Amazon CloudWatch alarms to monitor during the deployment process.

## Contents

### **AlarmArn**

Amazon Resource Name (ARN) of the Amazon CloudWatch alarm.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

### **AlarmRoleArn**

ARN of an AWS Identity and Access Management (IAM) role for AWS AppConfig to monitor `AlarmArn`.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^(arn):(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):(iam)::\d{12}:role[/].*)$`

Required: No

## See Also

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

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

## Validator

Service: AWS AppConfig

A validator provides a syntactic or semantic check to ensure the configuration that you want to deploy functions as intended. To validate your application configuration data, you provide a schema or an AWS Lambda function that runs against the configuration. The configuration deployment or update can only proceed when the configuration data is valid.

## Contents

### Content

Either the JSON Schema content or the Amazon Resource Name (ARN) of an Lambda function.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 32768.

Required: Yes

### Type

AWS AppConfig supports validators of type `JSON_SCHEMA` and `LAMBDA`

Type: String

Valid Values: `JSON_SCHEMA` | `LAMBDA`

Required: Yes

## See Also

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

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

## AWS AppConfig Data

The following data types are supported by AWS AppConfig Data:

- [BadRequestDetails](#) (p. 146)
- [InvalidParameterDetail](#) (p. 147)

## BadRequestDetails

Service: AWS AppConfig Data

Detailed information about the input that failed to satisfy the constraints specified by a call.

### Contents

#### InvalidParameters

One or more specified parameters are not valid for the call.

Type: String to [InvalidParameterDetail](#) (p. 147) object map

Required: No

### See Also

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

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

# InvalidParameterDetail

Service: AWS AppConfig Data

Information about an invalid parameter.

## Contents

### Problem

The reason the parameter is invalid.

Type: String

Valid Values: `Corrupted` | `Expired` | `PollIntervalNotSatisfied`

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java 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 [Signature Version 4 Signing Process](#) in the *Amazon Web Services General Reference*.

**Action**

The action to be performed.

Type: string

Required: Yes

**Version**

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

Type: string

Required: Yes

**X-Amz-Algorithm**

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

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

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

**X-Amz-Credential**

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4\_request"). The value is expressed in the following format: `access_key/YYYYMMDD/region/service/aws4_request`.

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

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

Type: string

Required: Conditional

**X-Amz-Date**

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'THHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is



not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Handling Dates in Signature Version 4](#) in the *Amazon Web Services General Reference*.

Type: string

Required: Conditional

#### **X-Amz-Security-Token**

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS Security Token Service, go to [AWS Services That Work with IAM](#) in the *IAM User Guide*.

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

Type: string

Required: Conditional

#### **X-Amz-Signature**

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

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

Type: string

Required: Conditional

#### **X-Amz-SignedHeaders**

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

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

Type: string

Required: Conditional

# Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

**AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

**IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 400

**InternalFailure**

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

HTTP Status Code: 500

**InvalidAction**

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

HTTP Status Code: 400

**InvalidClientTokenId**

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

HTTP Status Code: 403

**InvalidParameterCombination**

Parameters that must not be used together were used together.

HTTP Status Code: 400

**InvalidParameterValue**

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

HTTP Status Code: 400

**InvalidQueryParameter**

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

HTTP Status Code: 400

**MalformedQueryString**

The query string contains a syntax error.

HTTP Status Code: 404

**MissingAction**

The request is missing an action or a required parameter.

HTTP Status Code: 400

**MissingAuthenticationToken**

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

HTTP Status Code: 403

**MissingParameter**

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

**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