



API Reference

# AWS Proton



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# AWS Proton: API Reference

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# Welcome

This is the AWS Proton Service API Reference. It provides descriptions, syntax and usage examples for each of the [actions](#) and [data types](#) for the AWS Proton service.

The documentation for each action shows the Query API request parameters and the XML response.

Alternatively, you can use the AWS CLI to access an API. For more information, see the [AWS Command Line Interface User Guide](#).

The AWS Proton service is a two-pronged automation framework. Administrators create service templates to provide standardized infrastructure and deployment tooling for serverless and container based applications. Developers, in turn, select from the available service templates to automate their application or service deployments.

Because administrators define the infrastructure and tooling that AWS Proton deploys and manages, they need permissions to use all of the listed API operations.

When developers select a specific infrastructure and tooling set, AWS Proton deploys their applications. To monitor their applications that are running on AWS Proton, developers need permissions to the service *create*, *list*, *update* and *delete* API operations and the service instance *list* and *update* API operations.

To learn more about AWS Proton, see the [AWS Proton User Guide](#).

## Ensuring Idempotency

When you make a mutating API request, the request typically returns a result before the asynchronous workflows of the operation are complete. Operations might also time out or encounter other server issues before they're complete, even if the request already returned a result. This might make it difficult to determine whether the request succeeded. Moreover, you might need to retry the request multiple times to ensure that the operation completes successfully. However, if the original request and the subsequent retries are successful, the operation occurs multiple times. This means that you might create more resources than you intended.

*Idempotency* ensures that an API request action completes no more than one time. With an idempotent request, if the original request action completes successfully, any subsequent retries complete successfully without performing any further actions. However, the result might contain updated information, such as the current creation status.

The following lists of APIs are grouped according to methods that ensure idempotency.

### **Idempotent create APIs with a client token**

The API actions in this list support idempotency with the use of a *client token*. The corresponding AWS CLI commands also support idempotency using a client token. A client token is a unique, case-sensitive string of up to 64 ASCII characters. To make an idempotent API request using one of these actions, specify a client token in the request. We recommend that you *don't* reuse the same client token for other API requests. If you don't provide a client token for these APIs, a default client token is automatically provided by SDKs.

Given a request action that has succeeded:

If you retry the request using the same client token and the same parameters, the retry succeeds without performing any further actions other than returning the original resource detail data in the response.

If you retry the request using the same client token, but one or more of the parameters are different, the retry throws a `ValidationException` with an `IdempotentParameterMismatch` error.

Client tokens expire eight hours after a request is made. If you retry the request with the expired token, a new resource is created.

If the original resource is deleted and you retry the request, a new resource is created.

Idempotent create APIs with a client token:

- `CreateEnvironmentTemplateVersion`
- `CreateServiceTemplateVersion`
- `CreateEnvironmentAccountConnection`

### **Idempotent create APIs**

Given a request action that has succeeded:

If you retry the request with an API from this group, and the original resource *hasn't* been modified, the retry succeeds without performing any further actions other than returning the original resource detail data in the response.

If the original resource has been modified, the retry throws a `ConflictException`.

If you retry with different input parameters, the retry throws a `ValidationException` with an `IdempotentParameterMismatch` error.

Idempotent create APIs:

- `CreateEnvironmentTemplate`
- `CreateServiceTemplate`
- `CreateEnvironment`
- `CreateService`

### Idempotent delete APIs

Given a request action that has succeeded:

When you retry the request with an API from this group and the resource was deleted, its metadata is returned in the response.

If you retry and the resource doesn't exist, the response is empty.

In both cases, the retry succeeds.

Idempotent delete APIs:

- `DeleteEnvironmentTemplate`
- `DeleteEnvironmentTemplateVersion`
- `DeleteServiceTemplate`
- `DeleteServiceTemplateVersion`
- `DeleteEnvironmentAccountConnection`

### Asynchronous idempotent delete APIs

Given a request action that has succeeded:

If you retry the request with an API from this group, if the original request delete operation status is `DELETE_IN_PROGRESS`, the retry returns the resource detail data in the response without performing any further actions.

If the original request delete operation is complete, a retry returns an empty response.

## Asynchronous idempotent delete APIs:

- DeleteEnvironment
- DeleteService

This document was last published on September 6, 2024.

# Actions

The following actions are supported:

- [AcceptEnvironmentAccountConnection](#)
- [CancelComponentDeployment](#)
- [CancelEnvironmentDeployment](#)
- [CancelServiceInstanceDeployment](#)
- [CancelServicePipelineDeployment](#)
- [CreateComponent](#)
- [CreateEnvironment](#)
- [CreateEnvironmentAccountConnection](#)
- [CreateEnvironmentTemplate](#)
- [CreateEnvironmentTemplateVersion](#)
- [CreateRepository](#)
- [CreateService](#)
- [CreateServiceInstance](#)
- [CreateServiceSyncConfig](#)
- [CreateServiceTemplate](#)
- [CreateServiceTemplateVersion](#)
- [CreateTemplateSyncConfig](#)
- [DeleteComponent](#)
- [DeleteDeployment](#)
- [DeleteEnvironment](#)
- [DeleteEnvironmentAccountConnection](#)
- [DeleteEnvironmentTemplate](#)
- [DeleteEnvironmentTemplateVersion](#)
- [DeleteRepository](#)
- [DeleteService](#)
- [DeleteServiceSyncConfig](#)
- [DeleteServiceTemplate](#)

- [DeleteServiceTemplateVersion](#)
- [DeleteTemplateSyncConfig](#)
- [GetAccountSettings](#)
- [GetComponent](#)
- [GetDeployment](#)
- [GetEnvironment](#)
- [GetEnvironmentAccountConnection](#)
- [GetEnvironmentTemplate](#)
- [GetEnvironmentTemplateVersion](#)
- [GetRepository](#)
- [GetRepositorySyncStatus](#)
- [GetResourcesSummary](#)
- [GetService](#)
- [GetServiceInstance](#)
- [GetServiceInstanceSyncStatus](#)
- [GetServiceSyncBlockerSummary](#)
- [GetServiceSyncConfig](#)
- [GetServiceTemplate](#)
- [GetServiceTemplateVersion](#)
- [GetTemplateSyncConfig](#)
- [GetTemplateSyncStatus](#)
- [ListComponentOutputs](#)
- [ListComponentProvisionedResources](#)
- [ListComponents](#)
- [ListDeployments](#)
- [ListEnvironmentAccountConnections](#)
- [ListEnvironmentOutputs](#)
- [ListEnvironmentProvisionedResources](#)
- [ListEnvironments](#)
- [ListEnvironmentTemplates](#)

- [ListEnvironmentTemplateVersions](#)
- [ListRepositories](#)
- [ListRepositorySyncDefinitions](#)
- [ListServiceInstanceOutputs](#)
- [ListServiceInstanceProvisionedResources](#)
- [ListServiceInstances](#)
- [ListServicePipelineOutputs](#)
- [ListServicePipelineProvisionedResources](#)
- [ListServices](#)
- [ListServiceTemplates](#)
- [ListServiceTemplateVersions](#)
- [ListTagsForResource](#)
- [NotifyResourceDeploymentStatusChange](#)
- [RejectEnvironmentAccountConnection](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateAccountSettings](#)
- [UpdateComponent](#)
- [UpdateEnvironment](#)
- [UpdateEnvironmentAccountConnection](#)
- [UpdateEnvironmentTemplate](#)
- [UpdateEnvironmentTemplateVersion](#)
- [UpdateService](#)
- [UpdateServiceInstance](#)
- [UpdateServicePipeline](#)
- [UpdateServiceSyncBlocker](#)
- [UpdateServiceSyncConfig](#)
- [UpdateServiceTemplate](#)
- [UpdateServiceTemplateVersion](#)
- [UpdateTemplateSyncConfig](#)





# AcceptEnvironmentAccountConnection

In a management account, an environment account connection request is accepted. When the environment account connection request is accepted, AWS Proton can use the associated IAM role to provision environment infrastructure resources in the associated environment account.

For more information, see [Environment account connections](#) in the *AWS Proton User guide*.

## Request Syntax

```
{
  "id": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### id

The ID of the environment account connection.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: Yes

## Response Syntax

```
{
  "environmentAccountConnection": {
    "arn": "string",
    "codebuildRoleArn": "string",
    "componentRoleArn": "string",
    "environmentAccountId": "string",
    "environmentName": "string",
    "id": "string",
    "lastModifiedAt": number,
  }
}
```

```
"managementAccountId": "string",  
"requestedAt": number,  
"roleArn": "string",  
"status": "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.

### [environmentAccountConnection](#)

The environment account connection data that's returned by AWS Proton.

Type: [EnvironmentAccountConnection](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# CancelComponentDeployment

Attempts to cancel a component deployment (for a component that is in the IN\_PROGRESS deployment status).

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "componentName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### componentName

The name of the component with the deployment to cancel.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

## Response Syntax

```
{
  "component": {
    "arn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
  }
}
```

```
"description": "string",
"environmentName": "string",
"lastAttemptedDeploymentId": "string",
"lastClientRequestToken": "string",
"lastDeploymentAttemptedAt": number,
"lastDeploymentSucceededAt": number,
"lastModifiedAt": number,
"lastSucceededDeploymentId": "string",
"name": "string",
"serviceInstanceName": "string",
"serviceName": "string",
"serviceSpec": "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.

### component

The detailed data of the component with the deployment that is being canceled.

Type: [Component](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# CancelEnvironmentDeployment

Attempts to cancel an environment deployment on an [UpdateEnvironment](#) action, if the deployment is IN\_PROGRESS. For more information, see [Update an environment](#) in the *AWS Proton User guide*.

The following list includes potential cancellation scenarios.

- If the cancellation attempt succeeds, the resulting deployment state is CANCELLED.
- If the cancellation attempt fails, the resulting deployment state is FAILED.
- If the current [UpdateEnvironment](#) action succeeds before the cancellation attempt starts, the resulting deployment state is SUCCEEDED and the cancellation attempt has no effect.

## Request Syntax

```
{  
  "environmentName": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [environmentName](#)

The name of the environment with the deployment to cancel.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

## Response Syntax

```
{
```

```
"environment": {
  "arn": "string",
  "codebuildRoleArn": "string",
  "componentRoleArn": "string",
  "createdAt": number,
  "deploymentStatus": "string",
  "deploymentStatusMessage": "string",
  "description": "string",
  "environmentAccountConnectionId": "string",
  "environmentAccountId": "string",
  "lastAttemptedDeploymentId": "string",
  "lastDeploymentAttemptedAt": number,
  "lastDeploymentSucceededAt": number,
  "lastSucceededDeploymentId": "string",
  "name": "string",
  "protonServiceRoleArn": "string",
  "provisioning": "string",
  "provisioningRepository": {
    "arn": "string",
    "branch": "string",
    "name": "string",
    "provider": "string"
  },
  "spec": "string",
  "templateMajorVersion": "string",
  "templateMinorVersion": "string",
  "templateName": "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.

### environment

The environment summary data that's returned by AWS Proton.

Type: [Environment](#) object



## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)

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

# CancelServiceInstanceDeployment

Attempts to cancel a service instance deployment on an [UpdateServiceInstance](#) action, if the deployment is IN\_PROGRESS. For more information, see [Update a service instance](#) in the *AWS Proton User guide*.

The following list includes potential cancellation scenarios.

- If the cancellation attempt succeeds, the resulting deployment state is CANCELLED.
- If the cancellation attempt fails, the resulting deployment state is FAILED.
- If the current [UpdateServiceInstance](#) action succeeds before the cancellation attempt starts, the resulting deployment state is SUCCEEDED and the cancellation attempt has no effect.

## Request Syntax

```
{
  "serviceInstanceName": "string",
  "serviceName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [serviceInstanceName](#)

The name of the service instance with the deployment to cancel.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### [serviceName](#)

The name of the service with the service instance deployment to cancel.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## Response Syntax

```
{
  "serviceInstance": {
    "arn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "environmentName": "string",
    "lastAttemptedDeploymentId": "string",
    "lastClientRequestToken": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "lastSucceededDeploymentId": "string",
    "name": "string",
    "serviceName": "string",
    "spec": "string",
    "templateMajorVersion": "string",
    "templateMinorVersion": "string",
    "templateName": "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.

### serviceInstance

The service instance summary data that's returned by AWS Proton.

Type: [ServiceInstance](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)

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

# CancelServicePipelineDeployment

Attempts to cancel a service pipeline deployment on an [UpdateServicePipeline](#) action, if the deployment is IN\_PROGRESS. For more information, see [Update a service pipeline](#) in the *AWS Proton User guide*.

The following list includes potential cancellation scenarios.

- If the cancellation attempt succeeds, the resulting deployment state is CANCELLED.
- If the cancellation attempt fails, the resulting deployment state is FAILED.
- If the current [UpdateServicePipeline](#) action succeeds before the cancellation attempt starts, the resulting deployment state is SUCCEEDED and the cancellation attempt has no effect.

## Request Syntax

```
{  
  "serviceName": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [serviceName](#)

The name of the service with the service pipeline deployment to cancel.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
```

```
"pipeline": {
  "arn": "string",
  "createdAt": number,
  "deploymentStatus": "string",
  "deploymentStatusMessage": "string",
  "lastAttemptedDeploymentId": "string",
  "lastDeploymentAttemptedAt": number,
  "lastDeploymentSucceededAt": number,
  "lastSucceededDeploymentId": "string",
  "spec": "string",
  "templateMajorVersion": "string",
  "templateMinorVersion": "string",
  "templateName": "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.

### pipeline

The service pipeline detail data that's returned by AWS Proton.

Type: [ServicePipeline](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400



## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# CreateComponent

Create an AWS Proton component. A component is an infrastructure extension for a service instance.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "clientToken": "string",
  "description": "string",
  "environmentName": "string",
  "manifest": "string",
  "name": "string",
  "serviceInstanceName": "string",
  "serviceName": "string",
  "serviceSpec": "string",
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "templateFile": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### clientToken

The client token for the created component.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `^[!-~]*$`

Required: No

### description

An optional customer-provided description of the component.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### environmentName

The name of the AWS Proton environment that you want to associate this component with. You must specify this when you don't specify `serviceInstanceName` and `serviceName`.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

### manifest

A path to a manifest file that lists the Infrastructure as Code (IaC) file, template language, and rendering engine for infrastructure that a custom component provisions.

Type: String

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

Required: Yes

### name

The customer-provided name of the component.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

### serviceInstanceName

The name of the service instance that you want to attach this component to. If you don't specify this, the component isn't attached to any service instance. Specify both `serviceInstanceName` and `serviceName` or neither of them.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: No

### serviceName

The name of the service that `serviceInstanceName` is associated with. If you don't specify this, the component isn't attached to any service instance. Specify both `serviceInstanceName` and `serviceName` or neither of them.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: No

### serviceSpec

The service spec that you want the component to use to access service inputs. Set this only when you attach the component to a service instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

### tags

An optional list of metadata items that you can associate with the AWS Proton component. A tag is a key-value pair.

For more information, see [AWS Proton resources and tagging](#) in the *AWS Proton User Guide*.

Type: Array of [Tag](#) objects

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

Required: No

## [templateFile](#)

A path to the Infrastructure as Code (IaC) file describing infrastructure that a custom component provisions.

### Note

Components support a single IaC file, even if you use Terraform as your template language.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: Yes

## Response Syntax

```
{
  "component": {
    "arn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "description": "string",
    "environmentName": "string",
    "lastAttemptedDeploymentId": "string",
    "lastClientRequestToken": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "lastModifiedAt": number,
    "lastSucceededDeploymentId": "string",
    "name": "string",
```

```
"serviceInstanceName": "string",  
"serviceName": "string",  
"serviceSpec": "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.

### component

The detailed data of the created component.

Type: [Component](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# CreateEnvironment

Deploy a new environment. An AWS Proton environment is created from an environment template that defines infrastructure and resources that can be shared across services.

**You can provision environments using the following methods:**

- **AWS-managed provisioning:** AWS Proton makes direct calls to provision your resources.
- **Self-managed provisioning:** AWS Proton makes pull requests on your repository to provide compiled infrastructure as code (IaC) files that your IaC engine uses to provision resources.

For more information, see [Environments](#) and [Provisioning methods](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "codebuildRoleArn": "string",
  "componentRoleArn": "string",
  "description": "string",
  "environmentAccountConnectionId": "string",
  "name": "string",
  "protonServiceRoleArn": "string",
  "provisioningRepository": {
    "branch": "string",
    "name": "string",
    "provider": "string"
  },
  "spec": "string",
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "templateMajorVersion": "string",
  "templateMinorVersion": "string",
  "templateName": "string"
}
```



## Request Parameters

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

The request accepts the following data in JSON format.

### [codebuildRoleArn](#)

The Amazon Resource Name (ARN) of the IAM service role that allows AWS Proton to provision infrastructure using CodeBuild-based provisioning on your behalf.

To use CodeBuild-based provisioning for the environment or for any service instance running in the environment, specify either the `environmentAccountConnectionId` or `codebuildRoleArn` parameter.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=,.\@-]{1,512}[/:])*([\w+=,.\@-]{1,64})$`

Required: No

### [componentRoleArn](#)

The Amazon Resource Name (ARN) of the IAM service role that AWS Proton uses when provisioning directly defined components in this environment. It determines the scope of infrastructure that a component can provision.

You must specify `componentRoleArn` to allow directly defined components to be associated with this environment.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=,.\@-]{1,512}[/:])*([\w+=,.\@-]{1,64})$`

Required: No

## description

A description of the environment that's being created and deployed.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

## environmentAccountId

The ID of the environment account connection that you provide if you're provisioning your environment infrastructure resources to an environment account. For more information, see [Environment account connections](#) in the *AWS Proton User guide*.

To use AWS-managed provisioning for the environment, specify either the `environmentAccountId` or `protonServiceRoleArn` parameter and omit the `provisioningRepository` parameter.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

## name

The name of the environment.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## protonServiceRoleArn

The Amazon Resource Name (ARN) of the AWS Proton service role that allows AWS Proton to make calls to other services on your behalf.

To use AWS-managed provisioning for the environment, specify either the `environmentAccountId` or `protonServiceRoleArn` parameter and omit the `provisioningRepository` parameter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[a-zA-Z0-9-]+:[a-zA-Z0-9-]+$`

Required: No

### [provisioningRepository](#)

The linked repository that you use to host your rendered infrastructure templates for self-managed provisioning. A linked repository is a repository that has been registered with AWS Proton. For more information, see [CreateRepository](#).

To use self-managed provisioning for the environment, specify this parameter and omit the `environmentAccountId` and `protonServiceRoleArn` parameters.

Type: [RepositoryBranchInput](#) object

Required: No

### [spec](#)

A YAML formatted string that provides inputs as defined in the environment template bundle schema file. For more information, see [Environments](#) in the *AWS Proton User Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: Yes

### [tags](#)

An optional list of metadata items that you can associate with the AWS Proton environment. A tag is a key-value pair.

For more information, see [AWS Proton resources and tagging](#) in the *AWS Proton User Guide*.

Type: Array of [Tag](#) objects

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

Required: No

### templateMajorVersion

The major version of the environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### templateMinorVersion

The minor version of the environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: No

### templateName

The name of the environment template. For more information, see [Environment Templates](#) in the *AWS Proton User Guide*.

Type: String

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

Pattern:  $^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$$

Required: Yes

## Response Syntax

```
{
  "environment": {
    "arn": "string",
    "codebuildRoleArn": "string",
```

```

    "componentRoleArn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "description": "string",
    "environmentAccountConnectionId": "string",
    "environmentAccountId": "string",
    "lastAttemptedDeploymentId": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "lastSucceededDeploymentId": "string",
    "name": "string",
    "protonServiceRoleArn": "string",
    "provisioning": "string",
    "provisioningRepository": {
      "arn": "string",
      "branch": "string",
      "name": "string",
      "provider": "string"
    },
    "spec": "string",
    "templateMajorVersion": "string",
    "templateMinorVersion": "string",
    "templateName": "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.

### environment

The environment detail data that's returned by AWS Proton.

Type: [Environment](#) object

## Errors

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

## AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ServiceQuotaExceededException

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# CreateEnvironmentAccountConnection

Create an environment account connection in an environment account so that environment infrastructure resources can be provisioned in the environment account from a management account.

An environment account connection is a secure bi-directional connection between a *management account* and an *environment account* that maintains authorization and permissions. For more information, see [Environment account connections](#) in the *AWS Proton User guide*.

## Request Syntax

```
{
  "clientToken": "string",
  "codebuildRoleArn": "string",
  "componentRoleArn": "string",
  "environmentName": "string",
  "managementAccountId": "string",
  "roleArn": "string",
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ]
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [clientToken](#)

When included, if two identical requests are made with the same client token, AWS Proton returns the environment account connection that the first request created.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.



Pattern: `^[!~]*$`

Required: No

### [codebuildRoleArn](#)

The Amazon Resource Name (ARN) of an IAM service role in the environment account. AWS Proton uses this role to provision infrastructure resources using CodeBuild-based provisioning in the associated environment account.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=, .@-]{1,512}[/:])*([\w+=, .@-]{1,64})$`

Required: No

### [componentRoleArn](#)

The Amazon Resource Name (ARN) of the IAM service role that AWS Proton uses when provisioning directly defined components in the associated environment account. It determines the scope of infrastructure that a component can provision in the account.

You must specify `componentRoleArn` to allow directly defined components to be associated with any environments running in this account.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=, .@-]{1,512}[/:])*([\w+=, .@-]{1,64})$`

Required: No

### [environmentName](#)

The name of the AWS Proton environment that's created in the associated management account.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### managementAccountId

The ID of the management account that accepts or rejects the environment account connection. You create and manage the AWS Proton environment in this account. If the management account accepts the environment account connection, AWS Proton can use the associated IAM role to provision environment infrastructure resources in the associated environment account.

Type: String

Pattern: `^\d{12}$`

Required: Yes

### roleArn

The Amazon Resource Name (ARN) of the IAM service role that's created in the environment account. AWS Proton uses this role to provision infrastructure resources in the associated environment account.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=,.\@-]{1,512}[/:])*([\w+=,.\@-]{1,64})$`

Required: No

### tags

An optional list of metadata items that you can associate with the AWS Proton environment account connection. A tag is a key-value pair.

For more information, see [AWS Proton resources and tagging](#) in the *AWS Proton User Guide*.

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

```
{
  "environmentAccountConnection": {
    "arn": "string",
    "codebuildRoleArn": "string",
    "componentRoleArn": "string",
    "environmentAccountId": "string",
    "environmentName": "string",
    "id": "string",
    "lastModifiedAt": number,
    "managementAccountId": "string",
    "requestedAt": number,
    "roleArn": "string",
    "status": "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.

### [environmentAccountConnection](#)

The environment account connection detail data that's returned by AWS Proton.

Type: [EnvironmentAccountConnection](#) object

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ServiceQuotaExceededException**

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

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

# CreateEnvironmentTemplate

Create an environment template for AWS Proton. For more information, see [Environment Templates](#) in the *AWS Proton User Guide*.

You can create an environment template in one of the two following ways:

- Register and publish a *standard* environment template that instructs AWS Proton to deploy and manage environment infrastructure.
- Register and publish a *customer managed* environment template that connects AWS Proton to your existing provisioned infrastructure that you manage. AWS Proton *doesn't* manage your existing provisioned infrastructure. To create an environment template for customer provisioned and managed infrastructure, include the `provisioning` parameter and set the value to `CUSTOMER_MANAGED`. For more information, see [Register and publish an environment template](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "description": "string",
  "displayName": "string",
  "encryptionKey": "string",
  "name": "string",
  "provisioning": "string",
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ]
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

## description

A description of the environment template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

## displayName

The environment template name as displayed in the developer interface.

Type: String

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

Required: No

## encryptionKey

A customer provided encryption key that AWS Proton uses to encrypt data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[  
([\w+=, .@-]+[/:])*[\w+=, .@-]+$`

Required: No

## name

The name of the environment template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## provisioning

When included, indicates that the environment template is for customer provisioned and managed infrastructure.

Type: String

Valid Values: CUSTOMER\_MANAGED

Required: No

## tags

An optional list of metadata items that you can associate with the AWS Proton environment template. A tag is a key-value pair.

For more information, see [AWS Proton resources and tagging](#) in the *AWS Proton User Guide*.

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

```
{
  "environmentTemplate": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "displayName": "string",
    "encryptionKey": "string",
    "lastModifiedAt": number,
    "name": "string",
    "provisioning": "string",
    "recommendedVersion": "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.

### environmentTemplate

The environment template detail data that's returned by AWS Proton.

Type: [EnvironmentTemplate](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ServiceQuotaExceededException**

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# CreateEnvironmentTemplateVersion

Create a new major or minor version of an environment template. A major version of an environment template is a version that *isn't* backwards compatible. A minor version of an environment template is a version that's backwards compatible within its major version.

## Request Syntax

```
{
  "clientToken": "string",
  "description": "string",
  "majorVersion": "string",
  "source": { ... },
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "templateName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### clientToken

When included, if two identical requests are made with the same client token, AWS Proton returns the environment template version that the first request created.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `^[!-~]*$`

Required: No

## description

A description of the new version of an environment template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

## majorVersion

To create a new minor version of the environment template, include `majorVersion`.

To create a new major and minor version of the environment template, exclude `majorVersion`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: No

## source

An object that includes the template bundle S3 bucket path and name for the new version of an template.

Type: [TemplateVersionSourceInput](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

## tags

An optional list of metadata items that you can associate with the AWS Proton environment template version. A tag is a key-value pair.

For more information, see [AWS Proton resources and tagging](#) in the *AWS Proton User Guide*.

Type: Array of [Tag](#) objects

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

Required: No

### templateName

The name of the environment template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
  "environmentTemplateVersion": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "lastModifiedAt": number,
    "majorVersion": "string",
    "minorVersion": "string",
    "recommendedMinorVersion": "string",
    "schema": "string",
    "status": "string",
    "statusMessage": "string",
    "templateName": "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.

### environmentTemplateVersion

The environment template detail data that's returned by AWS Proton.

Type: [EnvironmentTemplateVersion](#) object

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

### ServiceQuotaExceededException

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# CreateRepository

Create and register a link to a repository. AWS Proton uses the link to repeatedly access the repository, to either push to it (self-managed provisioning) or pull from it (template sync). You can share a linked repository across multiple resources (like environments using self-managed provisioning, or synced templates). When you create a repository link, AWS Proton creates a [service-linked role](#) for you.

For more information, see [Self-managed provisioning](#), [Template bundles](#), and [Template sync configurations](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "connectionArn": "string",
  "encryptionKey": "string",
  "name": "string",
  "provider": "string",
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ]
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [connectionArn](#)

The Amazon Resource Name (ARN) of your AWS CodeStar connection that connects AWS Proton to your repository provider account. For more information, see [Setting up for AWS Proton](#) in the *AWS Proton User Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.



Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[a-zA-Z0-9-]+:[a-zA-Z0-9-]*$`

Required: Yes

### encryptionKey

The ARN of your customer AWS Key Management Service (AWS KMS) key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[a-zA-Z0-9-]+:[a-zA-Z0-9-]*$`

Required: No

### name

The repository name (for example, myrepos/myrepo).

Type: String

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

Pattern: `[A-Za-z0-9_.-]*/[A-Za-z0-9_.-].*`

Required: Yes

### provider

The repository provider.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

### tags

An optional list of metadata items that you can associate with the AWS Proton repository. A tag is a key-value pair.

For more information, see [AWS Proton resources and tagging](#) in the *AWS Proton User Guide*.

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

```
{
  "repository": {
    "arn": "string",
    "connectionArn": "string",
    "encryptionKey": "string",
    "name": "string",
    "provider": "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.

### [repository](#)

The repository link's detail data that's returned by AWS Proton.

Type: [Repository](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ServiceQuotaExceededException

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

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

# CreateService

Create an AWS Proton service. An AWS Proton service is an instantiation of a service template and often includes several service instances and pipeline. For more information, see [Services](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "branchName": "string",
  "description": "string",
  "name": "string",
  "repositoryConnectionArn": "string",
  "repositoryId": "string",
  "spec": "string",
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "templateMajorVersion": "string",
  "templateMinorVersion": "string",
  "templateName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [branchName](#)

The name of the code repository branch that holds the code that's deployed in AWS Proton. *Don't* include this parameter if your service template *doesn't* include a service pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

## description

A description of the AWS Proton service.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

## name

The service name.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## repositoryConnectionArn

The Amazon Resource Name (ARN) of the repository connection. For more information, see [Setting up an AWS CodeStar connection](#) in the *AWS Proton User Guide*. *Don't* include this parameter if your service template *doesn't* include a service pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:([\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: No

## repositoryId

The ID of the code repository. *Don't* include this parameter if your service template *doesn't* include a service pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

### spec

A link to a spec file that provides inputs as defined in the service template bundle schema file. The spec file is in YAML format. *Don't* include pipeline inputs in the spec if your service template *doesn't* include a service pipeline. For more information, see [Create a service](#) in the *AWS Proton User Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: Yes

### tags

An optional list of metadata items that you can associate with the AWS Proton service. A tag is a key-value pair.

For more information, see [AWS Proton resources and tagging](#) in the *AWS Proton User Guide*.

Type: Array of [Tag](#) objects

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

Required: No

### templateMajorVersion

The major version of the service template that was used to create the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### templateMinorVersion

The minor version of the service template that was used to create the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))\$$

Required: No

### templateName

The name of the service template that's used to create the service.

Type: String

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

Pattern:  $^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*\$$

Required: Yes

## Response Syntax

```
{
  "service": {
    "arn": "string",
    "branchName": "string",
    "createdAt": number,
    "description": "string",
    "lastModifiedAt": number,
    "name": "string",
    "pipeline": {
      "arn": "string",
      "createdAt": number,
      "deploymentStatus": "string",
      "deploymentStatusMessage": "string",
      "lastAttemptedDeploymentId": "string",
      "lastDeploymentAttemptedAt": number,
      "lastDeploymentSucceededAt": number,
      "lastSucceededDeploymentId": "string",
      "spec": "string",
      "templateMajorVersion": "string",
      "templateMinorVersion": "string",
      "templateName": "string"
    },
    "repositoryConnectionArn": "string",
    "repositoryId": "string",
    "spec": "string",
```



```
  "status": "string",  
  "statusMessage": "string",  
  "templateName": "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.

### service

The service detail data that's returned by AWS Proton.

Type: [Service](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# CreateServiceInstance

Create a service instance.

## Request Syntax

```
{
  "clientToken": "string",
  "name": "string",
  "serviceName": "string",
  "spec": "string",
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "templateMajorVersion": "string",
  "templateMinorVersion": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### clientToken

The client token of the service instance to create.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `^[!-~]*$`

Required: No

### name

The name of the service instance to create.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### serviceName

The name of the service the service instance is added to.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### spec

The spec for the service instance you want to create.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: Yes

### tags

An optional list of metadata items that you can associate with the AWS Proton service instance. A tag is a key-value pair.

For more information, see [AWS Proton resources and tagging](#) in the *AWS Proton User Guide*.

Type: Array of [Tag](#) objects

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

Required: No

### templateMajorVersion

To create a new major and minor version of the service template, *exclude* major Version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: No

### templateMinorVersion

To create a new minor version of the service template, include a major Version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: No

## Response Syntax

```
{
  "serviceInstance": {
    "arn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "environmentName": "string",
    "lastAttemptedDeploymentId": "string",
    "lastClientRequestToken": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "lastSucceededDeploymentId": "string",
    "name": "string",
    "serviceName": "string",
    "spec": "string",
    "templateMajorVersion": "string",
    "templateMinorVersion": "string",
    "templateName": "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.

### serviceInstance

The detailed data of the service instance being created.

Type: [ServiceInstance](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# CreateServiceSyncConfig

Create the AWS Proton Ops configuration file.

## Request Syntax

```
{
  "branch": "string",
  "filePath": "string",
  "repositoryName": "string",
  "repositoryProvider": "string",
  "serviceName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### branch

The repository branch for your AWS Proton Ops file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: Yes

### filePath

The path to the AWS Proton Ops file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

### repositoryName

The repository name.

Type: String



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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### repositoryProvider

The provider type for your repository.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

### serviceName

The name of the service the AWS Proton Ops file is for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## Response Syntax

```
{
  "serviceSyncConfig": {
    "branch": "string",
    "filePath": "string",
    "repositoryName": "string",
    "repositoryProvider": "string",
    "serviceName": "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.

### [serviceSyncConfig](#)

The detailed data of the AWS Proton Ops file.

Type: [ServiceSyncConfig](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ServiceQuotaExceededException**

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# CreateServiceTemplate

Create a service template. The administrator creates a service template to define standardized infrastructure and an optional CI/CD service pipeline. Developers, in turn, select the service template from AWS Proton. If the selected service template includes a service pipeline definition, they provide a link to their source code repository. AWS Proton then deploys and manages the infrastructure defined by the selected service template. For more information, see [AWS Proton templates](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "description": "string",
  "displayName": "string",
  "encryptionKey": "string",
  "name": "string",
  "pipelineProvisioning": "string",
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ]
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### description

A description of the service template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

## displayName

The name of the service template as displayed in the developer interface.

Type: String

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

Required: No

## encryptionKey

A customer provided encryption key that's used to encrypt data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:([\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: No

## name

The name of the service template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## pipelineProvisioning

By default, AWS Proton provides a service pipeline for your service. When this parameter is included, it indicates that an AWS Proton service pipeline *isn't* provided for your service. After it's included, it *can't* be changed. For more information, see [Template bundles](#) in the *AWS Proton User Guide*.

Type: String

Valid Values: CUSTOMER\_MANAGED

Required: No

## tags

An optional list of metadata items that you can associate with the AWS Proton service template. A tag is a key-value pair.

For more information, see [AWS Proton resources and tagging](#) in the *AWS Proton User Guide*.

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

```
{
  "serviceTemplate": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "displayName": "string",
    "encryptionKey": "string",
    "lastModifiedAt": number,
    "name": "string",
    "pipelineProvisioning": "string",
    "recommendedVersion": "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.

### serviceTemplate

The service template detail data that's returned by AWS Proton.

Type: [ServiceTemplate](#) object

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

### ServiceQuotaExceededException

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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



# CreateServiceTemplateVersion

Create a new major or minor version of a service template. A major version of a service template is a version that *isn't* backward compatible. A minor version of a service template is a version that's backward compatible within its major version.

## Request Syntax

```
{
  "clientToken": "string",
  "compatibleEnvironmentTemplates": [
    {
      "majorVersion": "string",
      "templateName": "string"
    }
  ],
  "description": "string",
  "majorVersion": "string",
  "source": { ... },
  "supportedComponentSources": [ "string" ],
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "templateName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### clientToken

When included, if two identical requests are made with the same client token, AWS Proton returns the service template version that the first request created.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `^[!-~]*$`

Required: No

### compatibleEnvironmentTemplates

An array of environment template objects that are compatible with the new service template version. A service instance based on this service template version can run in environments based on compatible templates.

Type: Array of [CompatibleEnvironmentTemplateInput](#) objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

### description

A description of the new version of a service template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### majorVersion

To create a new minor version of the service template, include a `majorVersion`.

To create a new major and minor version of the service template, *exclude* `majorVersion`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: No

### source

An object that includes the template bundle S3 bucket path and name for the new version of a service template.

Type: [TemplateVersionSourceInput](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

### supportedComponentSources

An array of supported component sources. Components with supported sources can be attached to service instances based on this service template version.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

Type: Array of strings

Valid Values: DIRECTLY\_DEFINED

Required: No

### tags

An optional list of metadata items that you can associate with the AWS Proton service template version. A tag is a key-value pair.

For more information, see [AWS Proton resources and tagging](#) in the *AWS Proton User Guide*.

Type: Array of [Tag](#) objects

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

Required: No

### templateName

The name of the service template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
```

```
"serviceTemplateVersion": {
  "arn": "string",
  "compatibleEnvironmentTemplates": [
    {
      "majorVersion": "string",
      "templateName": "string"
    }
  ],
  "createdAt": number,
  "description": "string",
  "lastModifiedAt": number,
  "majorVersion": "string",
  "minorVersion": "string",
  "recommendedMinorVersion": "string",
  "schema": "string",
  "status": "string",
  "statusMessage": "string",
  "supportedComponentSources": [ "string" ],
  "templateName": "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.

### serviceTemplateVersion

The service template version summary of detail data that's returned by AWS Proton.

Type: [ServiceTemplateVersion](#) object

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ServiceQuotaExceededException

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

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

# CreateTemplateSyncConfig

Set up a template to create new template versions automatically by tracking a linked repository. A linked repository is a repository that has been registered with AWS Proton. For more information, see [CreateRepository](#).

When a commit is pushed to your linked repository, AWS Proton checks for changes to your repository template bundles. If it detects a template bundle change, a new major or minor version of its template is created, if the version doesn't already exist. For more information, see [Template sync configurations](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "branch": "string",
  "repositoryName": "string",
  "repositoryProvider": "string",
  "subdirectory": "string",
  "templateName": "string",
  "templateType": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [branch](#)

The repository branch for your template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: Yes

### [repositoryName](#)

The repository name (for example, myrepos/myrepo).

Type: String

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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### repositoryProvider

The provider type for your repository.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

### subdirectory

A repository subdirectory path to your template bundle directory. When included, AWS Proton limits the template bundle search to this repository directory.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

### templateName

The name of your registered template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

### templateType

The type of the registered template.

Type: String



Valid Values: ENVIRONMENT | SERVICE

Required: Yes

## Response Syntax

```
{
  "templateSyncConfig": {
    "branch": "string",
    "repositoryName": "string",
    "repositoryProvider": "string",
    "subdirectory": "string",
    "templateName": "string",
    "templateType": "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.

### [templateSyncConfig](#)

The template sync configuration detail data that's returned by AWS Proton.

Type: [TemplateSyncConfig](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ServiceQuotaExceededException**

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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



# DeleteComponent

Delete an AWS Proton component resource.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "name": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### name

The name of the component to delete.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
  "component": {
    "arn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "description": "string",
    "environmentName": "string",
  }
}
```

```
"lastAttemptedDeploymentId": "string",
"lastClientRequestToken": "string",
"lastDeploymentAttemptedAt": number,
"lastDeploymentSucceededAt": number,
"lastModifiedAt": number,
"lastSucceededDeploymentId": "string",
"name": "string",
"serviceInstanceName": "string",
"serviceName": "string",
"serviceSpec": "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.

### component

The detailed data of the component being deleted.

Type: [Component](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# DeleteDeployment

Delete the deployment.

## Request Syntax

```
{
  "id": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### id

The ID of the deployment to delete.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: Yes

## Response Syntax

```
{
  "deployment": {
    "arn": "string",
    "completedAt": number,
    "componentName": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "environmentName": "string",
    "id": "string",
    "initialState": { ... },
    "lastAttemptedDeploymentId": "string",
    "lastModifiedAt": number,
  }
}
```

```
"lastSucceededDeploymentId": "string",
"serviceInstanceName": "string",
"serviceName": "string",
"targetArn": "string",
"targetResourceCreatedAt": number,
"targetResourceType": "string",
"targetState": { ... }
}
}
```

## 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.

### deployment

The detailed data of the deployment being deleted.

Type: [Deployment](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400



## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# DeleteEnvironment

Delete an environment.

## Request Syntax

```
{
  "name": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### name

The name of the environment to delete.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## Response Syntax

```
{
  "environment": {
    "arn": "string",
    "codebuildRoleArn": "string",
    "componentRoleArn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "description": "string",
    "environmentAccountConnectionId": "string",
```

```
"environmentAccountId": "string",
"lastAttemptedDeploymentId": "string",
"lastDeploymentAttemptedAt": number,
"lastDeploymentSucceededAt": number,
"lastSucceededDeploymentId": "string",
"name": "string",
"protonServiceRoleArn": "string",
"provisioning": "string",
"provisioningRepository": {
  "arn": "string",
  "branch": "string",
  "name": "string",
  "provider": "string"
},
"spec": "string",
"templateMajorVersion": "string",
"templateMinorVersion": "string",
"templateName": "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.

### environment

The detailed data of the environment being deleted.

Type: [Environment](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

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

# DeleteEnvironmentAccountConnection

In an environment account, delete an environment account connection.

After you delete an environment account connection that's in use by an AWS Proton environment, AWS Proton *can't* manage the environment infrastructure resources until a new environment account connection is accepted for the environment account and associated environment. You're responsible for cleaning up provisioned resources that remain without an environment connection.

For more information, see [Environment account connections](#) in the *AWS Proton User guide*.

## Request Syntax

```
{
  "id": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### id

The ID of the environment account connection to delete.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: Yes

## Response Syntax

```
{
  "environmentAccountConnection": {
    "arn": "string",
    "codebuildRoleArn": "string",
    "componentRoleArn": "string",
```

```
"environmentAccountId": "string",  
"environmentName": "string",  
"id": "string",  
"lastModifiedAt": number,  
"managementAccountId": "string",  
"requestedAt": number,  
"roleArn": "string",  
"status": "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.

### environmentAccountConnection

The detailed data of the environment account connection being deleted.

Type: [EnvironmentAccountConnection](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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



# DeleteEnvironmentTemplate

If no other major or minor versions of an environment template exist, delete the environment template.

## Request Syntax

```
{
  "name": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### name

The name of the environment template to delete.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## Response Syntax

```
{
  "environmentTemplate": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "displayName": "string",
    "encryptionKey": "string",
    "lastModifiedAt": number,
    "name": "string",
  }
}
```

```
    "provisioning": "string",  
    "recommendedVersion": "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.

### environmentTemplate

The detailed data of the environment template being deleted.

Type: [EnvironmentTemplate](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# DeleteEnvironmentTemplateVersion

If no other minor versions of an environment template exist, delete a major version of the environment template if it's not the Recommended version. Delete the Recommended version of the environment template if no other major versions or minor versions of the environment template exist. A major version of an environment template is a version that's not backward compatible.

Delete a minor version of an environment template if it *isn't* the Recommended version. Delete a Recommended minor version of the environment template if no other minor versions of the environment template exist. A minor version of an environment template is a version that's backward compatible.

## Request Syntax

```
{
  "majorVersion": "string",
  "minorVersion": "string",
  "templateName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [majorVersion](#)

The environment template major version to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### [minorVersion](#)

The environment template minor version to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^{(0|([1-9]{1}\d*))}$

Required: Yes

### templateName

The name of the environment template.

Type: String

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

Pattern:  $^{[0-9A-Za-z]+[0-9A-Za-z_\-\-]*}$

Required: Yes

## Response Syntax

```
{
  "environmentTemplateVersion": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "lastModifiedAt": number,
    "majorVersion": "string",
    "minorVersion": "string",
    "recommendedMinorVersion": "string",
    "schema": "string",
    "status": "string",
    "statusMessage": "string",
    "templateName": "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.

## environmentTemplateVersion

The detailed data of the environment template version being deleted.

Type: [EnvironmentTemplateVersion](#) object

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# DeleteRepository

De-register and unlink your repository.

## Request Syntax

```
{  
  "name": "string",  
  "provider": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### name

The repository name.

Type: String

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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### provider

The repository provider.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

## Response Syntax

```
{
```



```
"repository": {  
  "arn": "string",  
  "connectionArn": "string",  
  "encryptionKey": "string",  
  "name": "string",  
  "provider": "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.

### repository

The deleted repository link's detail data that's returned by AWS Proton.

Type: [Repository](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# DeleteService

Delete a service, with its instances and pipeline.

## Note

You can't delete a service if it has any service instances that have components attached to them.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{  
  "name": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### name

The name of the service to delete.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## Response Syntax

```
{
```

```
"service": {
  "arn": "string",
  "branchName": "string",
  "createdAt": number,
  "description": "string",
  "lastModifiedAt": number,
  "name": "string",
  "pipeline": {
    "arn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "lastAttemptedDeploymentId": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "lastSucceededDeploymentId": "string",
    "spec": "string",
    "templateMajorVersion": "string",
    "templateMinorVersion": "string",
    "templateName": "string"
  },
  "repositoryConnectionArn": "string",
  "repositoryId": "string",
  "spec": "string",
  "status": "string",
  "statusMessage": "string",
  "templateName": "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.

### service

The detailed data of the service being deleted.

Type: [Service](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)

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

# DeleteServiceSyncConfig

Delete the AWS Proton Ops file.

## Request Syntax

```
{
  "serviceName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### serviceName

The name of the service that you want to delete the service sync configuration for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

## Response Syntax

```
{
  "serviceSyncConfig": {
    "branch": "string",
    "filePath": "string",
    "repositoryName": "string",
    "repositoryProvider": "string",
    "serviceName": "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.

### [serviceSyncConfig](#)

The detailed data for the service sync config.

Type: [ServiceSyncConfig](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400



## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# DeleteServiceTemplate

If no other major or minor versions of the service template exist, delete the service template.

## Request Syntax

```
{
  "name": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### name

The name of the service template to delete.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## Response Syntax

```
{
  "serviceTemplate": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "displayName": "string",
    "encryptionKey": "string",
    "lastModifiedAt": number,
    "name": "string",
    "pipelineProvisioning": "string",
  }
}
```

```
    "recommendedVersion": "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.

### serviceTemplate

The detailed data of the service template being deleted.

Type: [ServiceTemplate](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# DeleteServiceTemplateVersion

If no other minor versions of a service template exist, delete a major version of the service template if it's not the Recommended version. Delete the Recommended version of the service template if no other major versions or minor versions of the service template exist. A major version of a service template is a version that *isn't* backwards compatible.

Delete a minor version of a service template if it's not the Recommended version. Delete a Recommended minor version of the service template if no other minor versions of the service template exist. A minor version of a service template is a version that's backwards compatible.

## Request Syntax

```
{
  "majorVersion": "string",
  "minorVersion": "string",
  "templateName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### majorVersion

The service template major version to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### minorVersion

The service template minor version to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### templateName

The name of the service template.

Type: String

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

Pattern:  $^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$$

Required: Yes

## Response Syntax

```
{
  "serviceTemplateVersion": {
    "arn": "string",
    "compatibleEnvironmentTemplates": [
      {
        "majorVersion": "string",
        "templateName": "string"
      }
    ],
    "createdAt": number,
    "description": "string",
    "lastModifiedAt": number,
    "majorVersion": "string",
    "minorVersion": "string",
    "recommendedMinorVersion": "string",
    "schema": "string",
    "status": "string",
    "statusMessage": "string",
    "supportedComponentSources": [ "string" ],
    "templateName": "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.

### [serviceTemplateVersion](#)

The detailed data of the service template version being deleted.

Type: [ServiceTemplateVersion](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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



# DeleteTemplateSyncConfig

Delete a template sync configuration.

## Request Syntax

```
{
  "templateName": "string",
  "templateType": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### templateName

The template name.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### templateType

The template type.

Type: String

Valid Values: ENVIRONMENT | SERVICE

Required: Yes

## Response Syntax

```
{
```

```
"templateSyncConfig": {
  "branch": "string",
  "repositoryName": "string",
  "repositoryProvider": "string",
  "subdirectory": "string",
  "templateName": "string",
  "templateType": "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.

### templateSyncConfig

The template sync configuration detail data that's returned by AWS Proton.

Type: [TemplateSyncConfig](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# GetAccountSettings

Get detail data for AWS Proton account-wide settings.

## Response Syntax

```
{
  "accountSettings": {
    "pipelineCodebuildRoleArn": "string",
    "pipelineProvisioningRepository": {
      "arn": "string",
      "branch": "string",
      "name": "string",
      "provider": "string"
    },
    "pipelineServiceRoleArn": "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.

### accountSettings

The AWS Proton pipeline service role detail data that's returned by AWS Proton.

Type: [AccountSettings](#) object

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# GetComponent

Get detailed data for a component.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "name": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### name

The name of the component that you want to get the detailed data for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
  "component": {
    "arn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "description": "string",
    "environmentName": "string",
  }
}
```

```
"lastAttemptedDeploymentId": "string",
"lastClientRequestToken": "string",
"lastDeploymentAttemptedAt": number,
"lastDeploymentSucceededAt": number,
"lastModifiedAt": number,
"lastSucceededDeploymentId": "string",
"name": "string",
"serviceInstanceName": "string",
"serviceName": "string",
"serviceSpec": "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.

### component

The detailed data of the requested component.

Type: [Component](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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



# GetDeployment

Get detailed data for a deployment.

## Request Syntax

```
{
  "componentName": "string",
  "environmentName": "string",
  "id": "string",
  "serviceInstanceName": "string",
  "serviceName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### componentName

The name of a component that you want to get the detailed data for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

### environmentName

The name of an environment that you want to get the detailed data for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

## id

The ID of the deployment that you want to get the detailed data for.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: Yes

## serviceName

The name of the service instance associated with the given deployment ID. `serviceName` must be specified to identify the service instance.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

## serviceName

The name of the service associated with the given deployment ID.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

## Response Syntax

```
{
  "deployment": {
    "arn": "string",
    "completedAt": number,
    "componentName": "string",
    "createdAt": number,
    "deploymentStatus": "string",
```

```
"deploymentStatusMessage": "string",
"environmentName": "string",
"id": "string",
"initialState": { ... },
"lastAttemptedDeploymentId": "string",
"lastModifiedAt": number,
"lastSucceededDeploymentId": "string",
"serviceInstanceName": "string",
"serviceName": "string",
"targetArn": "string",
"targetResourceCreatedAt": number,
"targetResourceType": "string",
"targetState": { ... }
}
}
```

## 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.

### deployment

The detailed data of the requested deployment.

Type: [Deployment](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# GetEnvironment

Get detailed data for an environment.

## Request Syntax

```
{
  "name": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### name

The name of the environment that you want to get the detailed data for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

## Response Syntax

```
{
  "environment": {
    "arn": "string",
    "codebuildRoleArn": "string",
    "componentRoleArn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "description": "string",
    "environmentAccountConnectionId": "string",
```

```
"environmentAccountId": "string",
"lastAttemptedDeploymentId": "string",
"lastDeploymentAttemptedAt": number,
"lastDeploymentSucceededAt": number,
"lastSucceededDeploymentId": "string",
"name": "string",
"protonServiceRoleArn": "string",
"provisioning": "string",
"provisioningRepository": {
  "arn": "string",
  "branch": "string",
  "name": "string",
  "provider": "string"
},
"spec": "string",
"templateMajorVersion": "string",
"templateMinorVersion": "string",
"templateName": "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.

### environment

The detailed data of the requested environment.

Type: [Environment](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# GetEnvironmentAccountConnection

In an environment account, get the detailed data for an environment account connection.

For more information, see [Environment account connections](#) in the *AWS Proton User guide*.

## Request Syntax

```
{
  "id": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### id

The ID of the environment account connection that you want to get the detailed data for.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: Yes

## Response Syntax

```
{
  "environmentAccountConnection": {
    "arn": "string",
    "codebuildRoleArn": "string",
    "componentRoleArn": "string",
    "environmentAccountId": "string",
    "environmentName": "string",
    "id": "string",
    "lastModifiedAt": number,
    "managementAccountId": "string",
    "requestedAt": number,
  }
}
```



```
    "roleArn": "string",  
    "status": "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.

### environmentAccountConnection

The detailed data of the requested environment account connection.

Type: [EnvironmentAccountConnection](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# GetEnvironmentTemplate

Get detailed data for an environment template.

## Request Syntax

```
{
  "name": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### name

The name of the environment template that you want to get the detailed data for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## Response Syntax

```
{
  "environmentTemplate": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "displayName": "string",
    "encryptionKey": "string",
    "lastModifiedAt": number,
    "name": "string",
    "provisioning": "string",
  }
}
```

```
    "recommendedVersion": "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.

### environmentTemplate

The detailed data of the requested environment template.

Type: [EnvironmentTemplate](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# GetEnvironmentTemplateVersion

Get detailed data for a major or minor version of an environment template.

## Request Syntax

```
{  
  "majorVersion": "string",  
  "minorVersion": "string",  
  "templateName": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### majorVersion

To get environment template major version detail data, include `majorVersion`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### minorVersion

To get environment template minor version detail data, include `minorVersion`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

## templateName

The name of the environment template a version of which you want to get detailed data for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
  "environmentTemplateVersion": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "lastModifiedAt": number,
    "majorVersion": "string",
    "minorVersion": "string",
    "recommendedMinorVersion": "string",
    "schema": "string",
    "status": "string",
    "statusMessage": "string",
    "templateName": "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.

### environmentTemplateVersion

The detailed data of the requested environment template version.

Type: [EnvironmentTemplateVersion](#) object

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### InternalServerError

The request failed to register with the service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)



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

# GetRepository

Get detail data for a linked repository.

## Request Syntax

```
{  
  "name": "string",  
  "provider": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### name

The repository name, for example myrepos/myrepo.

Type: String

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

Pattern: [A-Za-z0-9\_.-].\*/[A-Za-z0-9\_.-].\*

Required: Yes

### provider

The repository provider.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

## Response Syntax

```
{
```

```
"repository": {  
  "arn": "string",  
  "connectionArn": "string",  
  "encryptionKey": "string",  
  "name": "string",  
  "provider": "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.

### repository

The repository link's detail data that's returned by AWS Proton.

Type: [Repository](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# GetRepositorySyncStatus

Get the sync status of a repository used for AWS Proton template sync. For more information about template sync, see .

## Note

A repository sync status isn't tied to the AWS Proton Repository resource (or any other AWS Proton resource). Therefore, tags on an AWS Proton Repository resource have no effect on this action. Specifically, you can't use these tags to control access to this action using Attribute-based access control (ABAC).

For more information about ABAC, see [ABAC](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "branch": "string",
  "repositoryName": "string",
  "repositoryProvider": "string",
  "syncType": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### branch

The repository branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: Yes

### repositoryName

The repository name.

Type: String

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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### repositoryProvider

The repository provider.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

### syncType

The repository sync type.

Type: String

Valid Values: TEMPLATE\_SYNC | SERVICE\_SYNC

Required: Yes

## Response Syntax

```
{
  "latestSync": {
    "events": [
      {
        "event": "string",
        "externalId": "string",
        "time": number,
        "type": "string"
      }
    ],
    "startedAt": number,
    "status": "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.

### latestSync

The repository sync status detail data that's returned by AWS Proton.

Type: [RepositorySyncAttempt](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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



# GetResourcesSummary

Get counts of AWS Proton resources.

For infrastructure-provisioning resources (environments, services, service instances, pipelines), the action returns staleness counts. A resource is stale when it's behind the recommended version of the AWS Proton template that it uses and it needs an update to become current.

The action returns staleness counts (counts of resources that are up-to-date, behind a template major version, or behind a template minor version), the total number of resources, and the number of resources that are in a failed state, grouped by resource type. Components, environments, and service templates return less information - see the `components`, `environments`, and `serviceTemplates` field descriptions.

For context, the action also returns the total number of each type of AWS Proton template in the AWS account.

For more information, see [AWS Proton dashboard](#) in the *AWS Proton User Guide*.

## Response Syntax

```
{
  "counts": {
    "components": {
      "behindMajor": number,
      "behindMinor": number,
      "failed": number,
      "total": number,
      "upToDate": number
    },
    "environments": {
      "behindMajor": number,
      "behindMinor": number,
      "failed": number,
      "total": number,
      "upToDate": number
    },
    "environmentTemplates": {
      "behindMajor": number,
      "behindMinor": number,
      "failed": number,

```

```
    "total": number,
    "upToDate": number
  },
  "pipelines": {
    "behindMajor": number,
    "behindMinor": number,
    "failed": number,
    "total": number,
    "upToDate": number
  },
  "serviceInstances": {
    "behindMajor": number,
    "behindMinor": number,
    "failed": number,
    "total": number,
    "upToDate": number
  },
  "services": {
    "behindMajor": number,
    "behindMinor": number,
    "failed": number,
    "total": number,
    "upToDate": number
  },
  "serviceTemplates": {
    "behindMajor": number,
    "behindMinor": number,
    "failed": number,
    "total": number,
    "upToDate": number
  }
}
```

## 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.

### counts

Summary counts of each AWS Proton resource type.

Type: [CountsSummary](#) object

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### InternalServerError

The request failed to register with the service.

HTTP Status Code: 500

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

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

# GetService

Get detailed data for a service.

## Request Syntax

```
{
  "name": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### name

The name of the service that you want to get the detailed data for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

## Response Syntax

```
{
  "service": {
    "arn": "string",
    "branchName": "string",
    "createdAt": number,
    "description": "string",
    "lastModifiedAt": number,
    "name": "string",
    "pipeline": {
      "arn": "string",
```

```
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "lastAttemptedDeploymentId": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "lastSucceededDeploymentId": "string",
    "spec": "string",
    "templateMajorVersion": "string",
    "templateMinorVersion": "string",
    "templateName": "string"
  },
  "repositoryConnectionArn": "string",
  "repositoryId": "string",
  "spec": "string",
  "status": "string",
  "statusMessage": "string",
  "templateName": "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.

### service

The detailed data of the requested service.

Type: [Service](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# GetServiceInstance

Get detailed data for a service instance. A service instance is an instantiation of service template and it runs in a specific environment.

## Request Syntax

```
{
  "name": "string",
  "serviceName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### name

The name of a service instance that you want to get the detailed data for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### serviceName

The name of the service that you want the service instance input for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes



## Response Syntax

```
{
  "serviceInstance": {
    "arn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "environmentName": "string",
    "lastAttemptedDeploymentId": "string",
    "lastClientRequestToken": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "lastSucceededDeploymentId": "string",
    "name": "string",
    "serviceName": "string",
    "spec": "string",
    "templateMajorVersion": "string",
    "templateMinorVersion": "string",
    "templateName": "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.

### serviceInstance

The detailed data of the requested service instance.

Type: [ServiceInstance](#) object

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# GetServiceInstanceSyncStatus

Get the status of the synced service instance.

## Request Syntax

```
{
  "serviceInstanceName": "string",
  "serviceName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### serviceInstanceName

The name of the service instance that you want the sync status input for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

### serviceName

The name of the service that the service instance belongs to.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

## Response Syntax

```
{
  "desiredState": {
    "branch": "string",
    "directory": "string",
    "repositoryName": "string",
    "repositoryProvider": "string",
    "sha": "string"
  },
  "latestSuccessfulSync": {
    "events": [
      {
        "event": "string",
        "externalId": "string",
        "time": number,
        "type": "string"
      }
    ],
    "initialRevision": {
      "branch": "string",
      "directory": "string",
      "repositoryName": "string",
      "repositoryProvider": "string",
      "sha": "string"
    },
    "startedAt": number,
    "status": "string",
    "target": "string",
    "targetRevision": {
      "branch": "string",
      "directory": "string",
      "repositoryName": "string",
      "repositoryProvider": "string",
      "sha": "string"
    }
  },
  "latestSync": {
    "events": [
      {
        "event": "string",
        "externalId": "string",
        "time": number,
```

```
        "type": "string"
      }
    ],
    "initialRevision": {
      "branch": "string",
      "directory": "string",
      "repositoryName": "string",
      "repositoryProvider": "string",
      "sha": "string"
    },
    "startedAt": number,
    "status": "string",
    "target": "string",
    "targetRevision": {
      "branch": "string",
      "directory": "string",
      "repositoryName": "string",
      "repositoryProvider": "string",
      "sha": "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.

### desiredState

The service instance sync desired state that's returned by AWS Proton

Type: [Revision](#) object

### latestSuccessfulSync

The detailed data of the latest successful sync with the service instance.

Type: [ResourceSyncAttempt](#) object

### latestSync

The detailed data of the latest sync with the service instance.

Type: [ResourceSyncAttempt](#) object

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

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

# GetServiceSyncBlockerSummary

Get detailed data for the service sync blocker summary.

## Request Syntax

```
{  
  "serviceInstanceName": "string",  
  "serviceName": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### serviceInstanceName

The name of the service instance that you want to get the service sync blocker summary for. If given both the instance name and the service name, only the instance is blocked.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

### serviceName

The name of the service that you want to get the service sync blocker summary for. If given only the service name, all instances are blocked.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes



## Response Syntax

```
{
  "serviceSyncBlockerSummary": {
    "latestBlockers": [
      {
        "contexts": [
          {
            "key": "string",
            "value": "string"
          }
        ],
        "createdAt": number,
        "createdReason": "string",
        "id": "string",
        "resolvedAt": number,
        "resolvedReason": "string",
        "status": "string",
        "type": "string"
      }
    ],
    "serviceName": "string",
    "serviceInstanceName": "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.

### serviceSyncBlockerSummary

The detailed data of the requested service sync blocker summary.

Type: [ServiceSyncBlockerSummary](#) object

## Errors

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

## AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

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

# GetServiceSyncConfig

Get detailed information for the service sync configuration.

## Request Syntax

```
{  
  "serviceName": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### serviceName

The name of the service that you want to get the service sync configuration for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{  
  "serviceSyncConfig": {  
    "branch": "string",  
    "filePath": "string",  
    "repositoryName": "string",  
    "repositoryProvider": "string",  
    "serviceName": "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.

### [serviceSyncConfig](#)

The detailed data of the requested service sync configuration.

Type: [ServiceSyncConfig](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# GetServiceTemplate

Get detailed data for a service template.

## Request Syntax

```
{
  "name": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### name

The name of the service template that you want to get detailed data for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## Response Syntax

```
{
  "serviceTemplate": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "displayName": "string",
    "encryptionKey": "string",
    "lastModifiedAt": number,
    "name": "string",
    "pipelineProvisioning": "string",
  }
}
```

```
    "recommendedVersion": "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.

### serviceTemplate

The detailed data of the requested service template.

Type: [ServiceTemplate](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400



## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# GetServiceTemplateVersion

Get detailed data for a major or minor version of a service template.

## Request Syntax

```
{
  "majorVersion": "string",
  "minorVersion": "string",
  "templateName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### majorVersion

To get service template major version detail data, include `majorVersion`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### minorVersion

To get service template minor version detail data, include `minorVersion`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

## templateName

The name of the service template a version of which you want to get detailed data for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
  "serviceTemplateVersion": {
    "arn": "string",
    "compatibleEnvironmentTemplates": [
      {
        "majorVersion": "string",
        "templateName": "string"
      }
    ],
    "createdAt": number,
    "description": "string",
    "lastModifiedAt": number,
    "majorVersion": "string",
    "minorVersion": "string",
    "recommendedMinorVersion": "string",
    "schema": "string",
    "status": "string",
    "statusMessage": "string",
    "supportedComponentSources": [ "string" ],
    "templateName": "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.

## serviceTemplateVersion

The detailed data of the requested service template version.

Type: [ServiceTemplateVersion](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# GetTemplateSyncConfig

Get detail data for a template sync configuration.

## Request Syntax

```
{  
  "templateName": "string",  
  "templateType": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### templateName

The template name.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### templateType

The template type.

Type: String

Valid Values: ENVIRONMENT | SERVICE

Required: Yes

## Response Syntax

```
{
```

```
"templateSyncConfig": {  
  "branch": "string",  
  "repositoryName": "string",  
  "repositoryProvider": "string",  
  "subdirectory": "string",  
  "templateName": "string",  
  "templateType": "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.

### [templateSyncConfig](#)

The template sync configuration detail data that's returned by AWS Proton.

Type: [TemplateSyncConfig](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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



# GetTemplateSyncStatus

Get the status of a template sync.

## Request Syntax

```
{  
  "templateName": "string",  
  "templateType": "string",  
  "templateVersion": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### templateName

The template name.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

### templateType

The template type.

Type: String

Valid Values: ENVIRONMENT | SERVICE

Required: Yes

### templateVersion

The template major version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

## Response Syntax

```
{
  "desiredState": {
    "branch": "string",
    "directory": "string",
    "repositoryName": "string",
    "repositoryProvider": "string",
    "sha": "string"
  },
  "latestSuccessfulSync": {
    "events": [
      {
        "event": "string",
        "externalId": "string",
        "time": number,
        "type": "string"
      }
    ],
    "initialRevision": {
      "branch": "string",
      "directory": "string",
      "repositoryName": "string",
      "repositoryProvider": "string",
      "sha": "string"
    },
    "startedAt": number,
    "status": "string",
    "target": "string",
    "targetRevision": {
      "branch": "string",
      "directory": "string",
      "repositoryName": "string",
      "repositoryProvider": "string",
      "sha": "string"
    }
  },
}
```

```
"latestSync": {
  "events": [
    {
      "event": "string",
      "externalId": "string",
      "time": number,
      "type": "string"
    }
  ],
  "initialRevision": {
    "branch": "string",
    "directory": "string",
    "repositoryName": "string",
    "repositoryProvider": "string",
    "sha": "string"
  },
  "startedAt": number,
  "status": "string",
  "target": "string",
  "targetRevision": {
    "branch": "string",
    "directory": "string",
    "repositoryName": "string",
    "repositoryProvider": "string",
    "sha": "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.

### desiredState

The template sync desired state that's returned by AWS Proton.

Type: [Revision](#) object

### latestSuccessfulSync

The details of the last successful sync that's returned by AWS Proton.

Type: [ResourceSyncAttempt](#) object

### [latestSync](#)

The details of the last sync that's returned by AWS Proton.

Type: [ResourceSyncAttempt](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# ListComponentOutputs

Get a list of component Infrastructure as Code (IaC) outputs.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "componentName": "string",
  "deploymentId": "string",
  "nextToken": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [componentName](#)

The name of the component whose outputs you want.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

### [deploymentId](#)

The ID of the deployment whose outputs you want.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

## nextToken

A token that indicates the location of the next output in the array of outputs, after the list of outputs that was previously requested.

Type: String

Length Constraints: Fixed length of 0.

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "outputs": [
    {
      "key": "string",
      "valueString": "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.

### nextToken

A token that indicates the location of the next output in the array of outputs, after the list of outputs that was previously requested.

Type: String

Length Constraints: Fixed length of 0.

### outputs

An array of component Infrastructure as Code (IaC) outputs.

Type: Array of [Output](#) objects

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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



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

# ListComponentProvisionedResources

List provisioned resources for a component with details.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "componentName": "string",
  "nextToken": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### componentName

The name of the component whose provisioned resources you want.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### nextToken

A token that indicates the location of the next provisioned resource in the array of provisioned resources, after the list of provisioned resources that was previously requested.

Type: String

Length Constraints: Fixed length of 0.

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "provisionedResources": [
    {
      "identifier": "string",
      "name": "string",
      "provisioningEngine": "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.

### nextToken

A token that indicates the location of the next provisioned resource in the array of provisioned resources, after the current requested list of provisioned resources.

Type: String

Length Constraints: Fixed length of 0.

### provisionedResources

An array of provisioned resources for a component.

Type: Array of [ProvisionedResource](#) objects

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# ListComponents

List components with summary data. You can filter the result list by environment, service, or a single service instance.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "environmentName": "string",
  "maxResults": number,
  "nextToken": "string",
  "serviceInstanceName": "string",
  "serviceName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### environmentName

The name of an environment for result list filtering. AWS Proton returns components associated with the environment or attached to service instances running in it.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: No

### maxResults

The maximum number of components to list.

Type: Integer

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

Required: No

### nextToken

A token that indicates the location of the next component in the array of components, after the list of components that was previously requested.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

Required: No

### serviceName

The name of a service instance for result list filtering. AWS Proton returns the component attached to the service instance, if any.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

### serviceName

The name of a service for result list filtering. AWS Proton returns components attached to service instances of the service.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

## Response Syntax

```
{
  "components": [
```

```
{
  "arn": "string",
  "createdAt": number,
  "deploymentStatus": "string",
  "deploymentStatusMessage": "string",
  "environmentName": "string",
  "lastAttemptedDeploymentId": "string",
  "lastDeploymentAttemptedAt": number,
  "lastDeploymentSucceededAt": number,
  "lastModifiedAt": number,
  "lastSucceededDeploymentId": "string",
  "name": "string",
  "serviceInstanceName": "string",
  "serviceName": "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.

### components

An array of components with summary data.

Type: Array of [ComponentSummary](#) objects

### nextToken

A token that indicates the location of the next component in the array of components, after the current requested list of components.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

## Errors

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

## AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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



# ListDeployments

List deployments. You can filter the result list by environment, service, or a single service instance.

## Request Syntax

```
{  
  "componentName": "string",  
  "environmentName": "string",  
  "maxResults": number,  
  "nextToken": "string",  
  "serviceInstanceName": "string",  
  "serviceName": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### componentName

The name of a component for result list filtering. AWS Proton returns deployments associated with that component.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: No

### environmentName

The name of an environment for result list filtering. AWS Proton returns deployments associated with the environment.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: No

### maxResults

The maximum number of deployments to list.

Type: Integer

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

Required: No

### nextToken

A token that indicates the location of the next deployment in the array of deployment, after the list of deployment that was previously requested.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

Required: No

### serviceInstanceName

The name of a service instance for result list filtering. AWS Proton returns the deployments associated with the service instance.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: No

### serviceName

The name of a service for result list filtering. AWS Proton returns deployments associated with service instances of the service.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: No

## Response Syntax

```
{
  "deployments": [
    {
      "arn": "string",
      "completedAt": number,
      "componentName": "string",
      "createdAt": number,
      "deploymentStatus": "string",
      "environmentName": "string",
      "id": "string",
      "lastAttemptedDeploymentId": "string",
      "lastModifiedAt": number,
      "lastSucceededDeploymentId": "string",
      "serviceInstanceName": "string",
      "serviceName": "string",
      "targetArn": "string",
      "targetResourceCreatedAt": number,
      "targetResourceType": "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.

### deployments

An array of deployment with summary data.

Type: Array of [DeploymentSummary](#) objects

### nextToken

A token that indicates the location of the next deployment in the array of deployment, after the current requested list of deployment.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### InternalServerError

The request failed to register with the service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)

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

# ListEnvironmentAccountConnections

View a list of environment account connections.

For more information, see [Environment account connections](#) in the *AWS Proton User guide*.

## Request Syntax

```
{
  "environmentName": "string",
  "maxResults": number,
  "nextToken": "string",
  "requestedBy": "string",
  "statuses": [ "string" ]
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### environmentName

The environment name that's associated with each listed environment account connection.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

### maxResults

The maximum number of environment account connections to list.

Type: Integer

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

Required: No

## nextToken

A token that indicates the location of the next environment account connection in the array of environment account connections, after the list of environment account connections that was previously requested.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

Required: No

## requestedBy

The type of account making the `ListEnvironmentAccountConnections` request.

Type: String

Valid Values: `MANAGEMENT_ACCOUNT` | `ENVIRONMENT_ACCOUNT`

Required: Yes

## statuses

The status details for each listed environment account connection.

Type: Array of strings

Valid Values: `PENDING` | `CONNECTED` | `REJECTED`

Required: No

## Response Syntax

```
{
  "environmentAccountConnections": [
    {
      "arn": "string",
      "componentRoleArn": "string",
      "environmentAccountId": "string",
      "environmentName": "string",
      "id": "string",
      "lastModifiedAt": number,
      "managementAccountId": "string",
```

```
    "requestedAt": number,
    "roleArn": "string",
    "status": "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.

### environmentAccountConnections

An array of environment account connections with details that's returned by AWS Proton.

Type: Array of [EnvironmentAccountConnectionSummary](#) objects

### nextToken

A token that indicates the location of the next environment account connection in the array of environment account connections, after the current requested list of environment account connections.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.



HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# ListEnvironmentOutputs

List the infrastructure as code outputs for your environment.

## Request Syntax

```
{
  "deploymentId": "string",
  "environmentName": "string",
  "nextToken": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### deploymentId

The ID of the deployment whose outputs you want.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### environmentName

The environment name.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### nextToken

A token that indicates the location of the next environment output in the array of environment outputs, after the list of environment outputs that was previously requested.

Type: String

Length Constraints: Fixed length of 0.

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "outputs": [
    {
      "key": "string",
      "valueString": "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.

### nextToken

A token that indicates the location of the next environment output in the array of environment outputs, after the current requested list of environment outputs.

Type: String

Length Constraints: Fixed length of 0.

### outputs

An array of environment outputs with detail data.

Type: Array of [Output](#) objects

## Errors

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

## AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

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

# ListEnvironmentProvisionedResources

List the provisioned resources for your environment.

## Request Syntax

```
{
  "environmentName": "string",
  "nextToken": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### environmentName

The environment name.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

### nextToken

A token that indicates the location of the next environment provisioned resource in the array of environment provisioned resources, after the list of environment provisioned resources that was previously requested.

Type: String

Length Constraints: Fixed length of 0.

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "provisionedResources": [
    {
      "identifier": "string",
      "name": "string",
      "provisioningEngine": "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.

### nextToken

A token that indicates the location of the next environment provisioned resource in the array of provisioned resources, after the current requested list of environment provisioned resources.

Type: String

Length Constraints: Fixed length of 0.

### provisionedResources

An array of environment provisioned resources.

Type: Array of [ProvisionedResource](#) objects

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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



# ListEnvironments

List environments with detail data summaries.

## Request Syntax

```
{
  "environmentTemplates": [
    {
      "majorVersion": "string",
      "templateName": "string"
    }
  ],
  "maxResults": number,
  "nextToken": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [environmentTemplates](#)

An array of the versions of the environment template.

Type: Array of [EnvironmentTemplateFilter](#) objects

Required: No

### [maxResults](#)

The maximum number of environments to list.

Type: Integer

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

Required: No

### [nextToken](#)

A token that indicates the location of the next environment in the array of environments, after the list of environments that was previously requested.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

Required: No

## Response Syntax

```
{
  "environments": [
    {
      "arn": "string",
      "componentRoleArn": "string",
      "createdAt": number,
      "deploymentStatus": "string",
      "deploymentStatusMessage": "string",
      "description": "string",
      "environmentAccountConnectionId": "string",
      "environmentAccountId": "string",
      "lastAttemptedDeploymentId": "string",
      "lastDeploymentAttemptedAt": number,
      "lastDeploymentSucceededAt": number,
      "lastSucceededDeploymentId": "string",
      "name": "string",
      "protonServiceRoleArn": "string",
      "provisioning": "string",
      "templateMajorVersion": "string",
      "templateMinorVersion": "string",
      "templateName": "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.

## environments

An array of environment detail data summaries.

Type: Array of [EnvironmentSummary](#) objects

## nextToken

A token that indicates the location of the next environment in the array of environments, after the current requested list of environments.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# ListEnvironmentTemplates

List environment templates.

## Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [maxResults](#)

The maximum number of environment templates to list.

Type: Integer

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

Required: No

### [nextToken](#)

A token that indicates the location of the next environment template in the array of environment templates, after the list of environment templates that was previously requested.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

Required: No

## Response Syntax

```
{
```

```
"nextToken": "string",
"templates": [
  {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "displayName": "string",
    "lastModifiedAt": number,
    "name": "string",
    "provisioning": "string",
    "recommendedVersion": "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.

### nextToken

A token that indicates the location of the next environment template in the array of environment templates, after the current requested list of environment templates.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

### templates

An array of environment templates with detail data.

Type: Array of [EnvironmentTemplateSummary](#) objects

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# ListEnvironmentTemplateVersions

List major or minor versions of an environment template with detail data.

## Request Syntax

```
{
  "majorVersion": "string",
  "maxResults": number,
  "nextToken": "string",
  "templateName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [majorVersion](#)

To view a list of minor versions under a major version of an environment template, include `majorVersion`.

To view a list of major versions of an environment template, *exclude* `majorVersion`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: No

### [maxResults](#)

The maximum number of major or minor versions of an environment template to list.

Type: Integer

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

Required: No



## nextToken

A token that indicates the location of the next major or minor version in the array of major or minor versions of an environment template, after the list of major or minor versions that was previously requested.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

Required: No

## templateName

The name of the environment template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
  "nextToken": "string",
  "templateVersions": [
    {
      "arn": "string",
      "createdAt": number,
      "description": "string",
      "lastModifiedAt": number,
      "majorVersion": "string",
      "minorVersion": "string",
      "recommendedMinorVersion": "string",
      "status": "string",
      "statusMessage": "string",
      "templateName": "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.

### nextToken

A token that indicates the location of the next major or minor version in the array of major or minor versions of an environment template, after the list of major or minor versions that was previously requested.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

### templateVersions

An array of major or minor versions of an environment template detail data.

Type: Array of [EnvironmentTemplateVersionSummary](#) objects

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# ListRepositories

List linked repositories with detail data.

## Request Syntax

```
{
  "maxResults": number,
  "nextToken": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [maxResults](#)

The maximum number of repositories to list.

Type: Integer

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

Required: No

### [nextToken](#)

A token that indicates the location of the next repository in the array of repositories, after the list of repositories previously requested.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

Required: No

## Response Syntax

```
{
  "nextToken": "string",
}
```

```
"repositories": [  
  {  
    "arn": "string",  
    "connectionArn": "string",  
    "name": "string",  
    "provider": "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.

### nextToken

A token that indicates the location of the next repository in the array of repositories, after the current requested list of repositories.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

### repositories

An array of repository links.

Type: Array of [RepositorySummary](#) objects

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# ListRepositorySyncDefinitions

List repository sync definitions with detail data.

## Request Syntax

```
{
  "nextToken": "string",
  "repositoryName": "string",
  "repositoryProvider": "string",
  "syncType": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [nextToken](#)

A token that indicates the location of the next repository sync definition in the array of repository sync definitions, after the list of repository sync definitions previously requested.

Type: String

Length Constraints: Fixed length of 0.

Required: No

### [repositoryName](#)

The repository name.

Type: String

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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### [repositoryProvider](#)

The repository provider.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

### syncType

The sync type. The only supported value is TEMPLATE\_SYNC.

Type: String

Valid Values: TEMPLATE\_SYNC | SERVICE\_SYNC

Required: Yes

## Response Syntax

```
{
  "nextToken": "string",
  "syncDefinitions": [
    {
      "branch": "string",
      "directory": "string",
      "parent": "string",
      "target": "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.

### nextToken

A token that indicates the location of the next repository sync definition in the array of repository sync definitions, after the current requested list of repository sync definitions.

Type: String



Length Constraints: Fixed length of 0.

## [syncDefinitions](#)

An array of repository sync definitions.

Type: Array of [RepositorySyncDefinition](#) objects

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

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

# ListServiceInstanceOutputs

Get a list service of instance Infrastructure as Code (IaC) outputs.

## Request Syntax

```
{
  "deploymentId": "string",
  "nextToken": "string",
  "serviceInstanceName": "string",
  "serviceName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### deploymentId

The ID of the deployment whose outputs you want.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### nextToken

A token that indicates the location of the next output in the array of outputs, after the list of outputs that was previously requested.

Type: String

Length Constraints: Fixed length of 0.

Required: No

### serviceInstanceName

The name of the service instance whose outputs you want.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

### serviceName

The name of the service that `serviceInstanceName` is associated to.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
  "nextToken": "string",
  "outputs": [
    {
      "key": "string",
      "valueString": "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.

### nextToken

A token that indicates the location of the next output in the array of outputs, after the current requested list of outputs.

Type: String

Length Constraints: Fixed length of 0.

## outputs

An array of service instance Infrastructure as Code (IaC) outputs.

Type: Array of [Output](#) objects

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# ListServiceInstanceProvisionedResources

List provisioned resources for a service instance with details.

## Request Syntax

```
{
  "nextToken": "string",
  "serviceInstanceName": "string",
  "serviceName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [nextToken](#)

A token that indicates the location of the next provisioned resource in the array of provisioned resources, after the list of provisioned resources that was previously requested.

Type: String

Length Constraints: Fixed length of 0.

Required: No

### [serviceInstanceName](#)

The name of the service instance whose provisioned resources you want.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### [serviceName](#)

The name of the service that `serviceInstanceName` is associated to.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
  "nextToken": "string",
  "provisionedResources": [
    {
      "identifier": "string",
      "name": "string",
      "provisioningEngine": "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.

### nextToken

A token that indicates the location of the next provisioned resource in the array of provisioned resources, after the current requested list of provisioned resources.

Type: String

Length Constraints: Fixed length of 0.

### provisionedResources

An array of provisioned resources for a service instance.

Type: Array of [ProvisionedResource](#) objects



## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

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

# ListServiceInstances

List service instances with summary data. This action lists service instances of all services in the AWS account.

## Request Syntax

```
{
  "filters": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "maxResults": number,
  "nextToken": "string",
  "serviceName": "string",
  "sortBy": "string",
  "sortOrder": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [filters](#)

An array of filtering criteria that scope down the result list. By default, all service instances in the AWS account are returned.

Type: Array of [ListServiceInstancesFilter](#) objects

Required: No

### [maxResults](#)

The maximum number of service instances to list.

Type: Integer

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

Required: No

### nextToken

A token that indicates the location of the next service in the array of service instances, after the list of service instances that was previously requested.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

Required: No

### serviceName

The name of the service that the service instance belongs to.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

### sortBy

The field that the result list is sorted by.

When you choose to sort by `serviceName`, service instances within each service are sorted by service instance name.

Default: `serviceName`

Type: String

Valid Values: `name` | `deploymentStatus` | `templateName` | `serviceName` | `environmentName` | `lastDeploymentAttemptedAt` | `createdAt`

Required: No

### sortOrder

Result list sort order.

Default: `ASCENDING`

Type: String

Valid Values: ASCENDING | DESCENDING

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "serviceInstances": [
    {
      "arn": "string",
      "createdAt": number,
      "deploymentStatus": "string",
      "deploymentStatusMessage": "string",
      "environmentName": "string",
      "lastAttemptedDeploymentId": "string",
      "lastDeploymentAttemptedAt": number,
      "lastDeploymentSucceededAt": number,
      "lastSucceededDeploymentId": "string",
      "name": "string",
      "serviceName": "string",
      "templateMajorVersion": "string",
      "templateMinorVersion": "string",
      "templateName": "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.

### nextToken

A token that indicates the location of the next service instance in the array of service instances, after the current requested list of service instances.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

### serviceInstances

An array of service instances with summary data.

Type: Array of [ServiceInstanceSummary](#) objects

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# ListServicePipelineOutputs

Get a list of service pipeline Infrastructure as Code (IaC) outputs.

## Request Syntax

```
{
  "deploymentId": "string",
  "nextToken": "string",
  "serviceName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### deploymentId

The ID of the deployment you want the outputs for.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### nextToken

A token that indicates the location of the next output in the array of outputs, after the list of outputs that was previously requested.

Type: String

Length Constraints: Fixed length of 0.

Required: No

### serviceName

The name of the service whose pipeline's outputs you want.

Type: String



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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
  "nextToken": "string",
  "outputs": [
    {
      "key": "string",
      "valueString": "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.

### nextToken

A token that indicates the location of the next output in the array of outputs, after the current requested list of outputs.

Type: String

Length Constraints: Fixed length of 0.

### outputs

An array of service pipeline Infrastructure as Code (IaC) outputs.

Type: Array of [Output](#) objects

## Errors

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

## AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

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

# ListServicePipelineProvisionedResources

List provisioned resources for a service and pipeline with details.

## Request Syntax

```
{  
  "nextToken": "string",  
  "serviceName": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [nextToken](#)

A token that indicates the location of the next provisioned resource in the array of provisioned resources, after the list of provisioned resources that was previously requested.

Type: String

Length Constraints: Fixed length of 0.

Required: No

### [serviceName](#)

The name of the service whose pipeline's provisioned resources you want.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

## Response Syntax

```
{
```

```
"nextToken": "string",
"provisionedResources": [
  {
    "identifier": "string",
    "name": "string",
    "provisioningEngine": "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.

### nextToken

A token that indicates the location of the next provisioned resource in the array of provisioned resources, after the current requested list of provisioned resources.

Type: String

Length Constraints: Fixed length of 0.

### provisionedResources

An array of provisioned resources for a service and pipeline.

Type: Array of [ProvisionedResource](#) objects

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# ListServices

List services with summaries of detail data.

## Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### maxResults

The maximum number of services to list.

Type: Integer

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

Required: No

### nextToken

A token that indicates the location of the next service in the array of services, after the list of services that was previously requested.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

Required: No

## Response Syntax

```
{
```

```
"nextToken": "string",
"services": [
  {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "lastModifiedAt": number,
    "name": "string",
    "status": "string",
    "statusMessage": "string",
    "templateName": "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.

### nextToken

A token that indicates the location of the next service in the array of services, after the current requested list of services.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

### services

An array of services with summaries of detail data.

Type: Array of [ServiceSummary](#) objects

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.



HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# ListServiceTemplates

List service templates with detail data.

## Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [maxResults](#)

The maximum number of service templates to list.

Type: Integer

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

Required: No

### [nextToken](#)

A token that indicates the location of the next service template in the array of service templates, after the list of service templates previously requested.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

Required: No

## Response Syntax

```
{
```

```
"nextToken": "string",
"templates": [
  {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "displayName": "string",
    "lastModifiedAt": number,
    "name": "string",
    "pipelineProvisioning": "string",
    "recommendedVersion": "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.

### nextToken

A token that indicates the location of the next service template in the array of service templates, after the current requested list of service templates.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

### templates

An array of service templates with detail data.

Type: Array of [ServiceTemplateSummary](#) objects

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# ListServiceTemplateVersions

List major or minor versions of a service template with detail data.

## Request Syntax

```
{
  "majorVersion": "string",
  "maxResults": number,
  "nextToken": "string",
  "templateName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [majorVersion](#)

To view a list of minor versions under a major version of a service template, include `majorVersion`.

To view a list of major versions of a service template, *exclude* `majorVersion`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: No

### [maxResults](#)

The maximum number of major or minor versions of a service template to list.

Type: Integer

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

Required: No

## nextToken

A token that indicates the location of the next major or minor version in the array of major or minor versions of a service template, after the list of major or minor versions that was previously requested.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

Required: No

## templateName

The name of the service template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
  "nextToken": "string",
  "templateVersions": [
    {
      "arn": "string",
      "createdAt": number,
      "description": "string",
      "lastModifiedAt": number,
      "majorVersion": "string",
      "minorVersion": "string",
      "recommendedMinorVersion": "string",
      "status": "string",
      "statusMessage": "string",
      "templateName": "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.

### [nextToken](#)

A token that indicates the location of the next major or minor version in the array of major or minor versions of a service template, after the current requested list of service major or minor versions.

Type: String

Pattern: `^[A-Za-z0-9+=/]+$`

### [templateVersions](#)

An array of major or minor versions of a service template with detail data.

Type: Array of [ServiceTemplateVersionSummary](#) objects

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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



# ListTagsForResource

List tags for a resource. For more information, see [AWS Proton resources and tagging](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "maxResults": number,
  "nextToken": "string",
  "resourceArn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [maxResults](#)

The maximum number of tags to list.

Type: Integer

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

Required: No

### [nextToken](#)

A token that indicates the location of the next resource tag in the array of resource tags, after the list of resource tags that was previously requested.

Type: String

Required: No

### [resourceArn](#)

The Amazon Resource Name (ARN) of the resource for the listed tags.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[a-zA-Z0-9-]+[/:]*(\w+|=,|.@-)+[/:]*(\w+|=,|.@-)+$`

Required: Yes

## Response Syntax

```
{
  "nextToken": "string",
  "tags": [
    {
      "key": "string",
      "value": "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.

### nextToken

A token that indicates the location of the next resource tag in the array of resource tags, after the current requested list of resource tags.

Type: String

### tags

A list of resource tags with detail data.

Type: Array of [Tag](#) objects

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

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

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

# NotifyResourceDeploymentStatusChange

Notify AWS Proton of status changes to a provisioned resource when you use self-managed provisioning.

For more information, see [Self-managed provisioning](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "deploymentId": "string",
  "outputs": [
    {
      "key": "string",
      "valueString": "string"
    }
  ],
  "resourceArn": "string",
  "status": "string",
  "statusMessage": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [deploymentId](#)

The deployment ID for your provisioned resource.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### [outputs](#)

The provisioned resource state change detail data that's returned by AWS Proton.

Type: Array of [Output](#) objects

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

Required: No

### resourceArn

The provisioned resource Amazon Resource Name (ARN).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:([\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: Yes

### status

The status of your provisioned resource.

Type: String

Valid Values: IN\_PROGRESS | FAILED | SUCCEEDED

Required: No

### statusMessage

The deployment status message for your provisioned resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 5000.

Required: No

## Response Elements

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

## Errors

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

## AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ServiceQuotaExceededException

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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



# RejectEnvironmentAccountConnection

In a management account, reject an environment account connection from another environment account.

After you reject an environment account connection request, you *can't* accept or use the rejected environment account connection.

You *can't* reject an environment account connection that's connected to an environment.

For more information, see [Environment account connections](#) in the *AWS Proton User guide*.

## Request Syntax

```
{
  "id": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### id

The ID of the environment account connection to reject.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: Yes

## Response Syntax

```
{
  "environmentAccountConnection": {
    "arn": "string",
    "codebuildRoleArn": "string",
```

```
"componentRoleArn": "string",
"environmentAccountId": "string",
"environmentName": "string",
"id": "string",
"lastModifiedAt": number,
"managementAccountId": "string",
"requestedAt": number,
"roleArn": "string",
"status": "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.

### environmentAccountConnection

The environment connection account detail data that's returned by AWS Proton.

Type: [EnvironmentAccountConnection](#) object

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# TagResource

Tag a resource. A tag is a key-value pair of metadata that you associate with an AWS Proton resource.

For more information, see [AWS Proton resources and tagging](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "resourceArn": "string",
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ]
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [resourceArn](#)

The Amazon Resource Name (ARN) of the AWS Proton resource to apply customer tags to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:([\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: Yes

### [tags](#)

A list of customer tags to apply to the AWS Proton resource.

Type: Array of [Tag](#) objects

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

Required: Yes

## Response Elements

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

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### InternalServerError

The request failed to register with the service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# UntagResource

Remove a customer tag from a resource. A tag is a key-value pair of metadata associated with an AWS Proton resource.

For more information, see [AWS Proton resources and tagging](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "resourceArn": "string",
  "tagKeys": [ "string" ]
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### resourceArn

The Amazon Resource Name (ARN) of the resource to remove customer tags from.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:([\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: Yes

### tagKeys

A list of customer tag keys that indicate the customer tags to be removed from the resource.

Type: Array of strings

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

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

Required: Yes

## Response Elements

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

## Errors

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

### AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### InternalServerError

The request failed to register with the service.

HTTP Status Code: 500

### ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

### ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400



## See Also

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

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

# UpdateAccountSettings

Update AWS Proton settings that are used for multiple services in the AWS account.

## Request Syntax

```
{
  "deletePipelineProvisioningRepository": boolean,
  "pipelineCodebuildRoleArn": "string",
  "pipelineProvisioningRepository": {
    "branch": "string",
    "name": "string",
    "provider": "string"
  },
  "pipelineServiceRoleArn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [deletePipelineProvisioningRepository](#)

Set to `true` to remove a configured pipeline repository from the account settings. Don't set this field if you are updating the configured pipeline repository.

Type: Boolean

Required: No

### [pipelineCodebuildRoleArn](#)

The Amazon Resource Name (ARN) of the service role you want to use for provisioning pipelines. AWS Proton assumes this role for CodeBuild-based provisioning.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `(^$)|(^arn:(aws|aws-cn|aws-us-gov):iam:\d{12}:role/([\w+=, .@-]{1,512}[/:])*([\w+=, .@-]{1,64})$)`

Required: No

### [pipelineProvisioningRepository](#)

A linked repository for pipeline provisioning. Specify it if you have environments configured for self-managed provisioning with services that include pipelines. A linked repository is a repository that has been registered with AWS Proton. For more information, see [CreateRepository](#).

To remove a previously configured repository, set `deletePipelineProvisioningRepository` to `true`, and don't set `pipelineProvisioningRepository`.

Type: [RepositoryBranchInput](#) object

Required: No

### [pipelineServiceRoleArn](#)

The Amazon Resource Name (ARN) of the service role you want to use for provisioning pipelines. Assumed by AWS Proton for AWS-managed provisioning, and by customer-owned automation for self-managed provisioning.

To remove a previously configured ARN, specify an empty string.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `(^$)|(^arn:(aws|aws-cn|aws-us-gov):iam:\d{12}:role/([\w+=, .@-]{1,512}[/:])*([\w+=, .@-]{1,64}))$`

Required: No

## Response Syntax

```
{
  "accountSettings": {
    "pipelineCodebuildRoleArn": "string",
    "pipelineProvisioningRepository": {
      "arn": "string",
      "branch": "string",
```

```
    "name": "string",
    "provider": "string"
  },
  "pipelineServiceRoleArn": "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.

### [accountSettings](#)

The AWS Proton pipeline service role and repository data shared across the AWS account.

Type: [AccountSettings](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# UpdateComponent

Update a component.

There are a few modes for updating a component. The `deploymentType` field defines the mode.

## Note

You can't update a component while its deployment status, or the deployment status of a service instance attached to it, is `IN_PROGRESS`.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "clientToken": "string",
  "deploymentType": "string",
  "description": "string",
  "name": "string",
  "serviceInstanceName": "string",
  "serviceName": "string",
  "serviceSpec": "string",
  "templateFile": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### clientToken

The client token for the updated component.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `^[!-~]*$`

Required: No

### deploymentType

The deployment type. It defines the mode for updating a component, as follows:

NONE

In this mode, a deployment *doesn't* occur. Only the requested metadata parameters are updated. You can only specify `description` in this mode.

CURRENT\_VERSION

In this mode, the component is deployed and updated with the new `serviceSpec`, `templateSource`, and/or `type` that you provide. Only requested parameters are updated.

Type: String

Valid Values: NONE | CURRENT\_VERSION

Required: Yes

### description

An optional customer-provided description of the component.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### name

The name of the component to update.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\ ]*$`

Required: Yes

## serviceInstanceName

The name of the service instance that you want to attach this component to. Don't specify to keep the component's current service instance attachment. Specify an empty string to detach the component from the service instance it's attached to. Specify non-empty values for both `serviceInstanceName` and `serviceName` or for neither of them.

Type: String

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

Pattern: `(^$) | ^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: No

## serviceName

The name of the service that `serviceInstanceName` is associated with. Don't specify to keep the component's current service instance attachment. Specify an empty string to detach the component from the service instance it's attached to. Specify non-empty values for both `serviceInstanceName` and `serviceName` or for neither of them.

Type: String

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

Pattern: `(^$) | ^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: No

## serviceSpec

The service spec that you want the component to use to access service inputs. Set this only when the component is attached to a service instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

## templateFile

A path to the Infrastructure as Code (IaC) file describing infrastructure that a custom component provisions.



**Note**

Components support a single IaC file, even if you use Terraform as your template language.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

## Response Syntax

```
{
  "component": {
    "arn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "description": "string",
    "environmentName": "string",
    "lastAttemptedDeploymentId": "string",
    "lastClientRequestToken": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "lastModifiedAt": number,
    "lastSucceededDeploymentId": "string",
    "name": "string",
    "serviceInstanceName": "string",
    "serviceName": "string",
    "serviceSpec": "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.

## component

The detailed data of the updated component.

Type: [Component](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# UpdateEnvironment

Update an environment.

If the environment is associated with an environment account connection, *don't* update or include the `protonServiceRoleArn` and `provisioningRepository` parameter to update or connect to an environment account connection.

You can only update to a new environment account connection if that connection was created in the same environment account that the current environment account connection was created in. The account connection must also be associated with the current environment.

If the environment *isn't* associated with an environment account connection, *don't* update or include the `environmentAccountId` parameter. You *can't* update or connect the environment to an environment account connection if it *isn't* already associated with an environment connection.

You can update either the `environmentAccountId` or `protonServiceRoleArn` parameter and value. You can't update both.

If the environment was configured for AWS-managed provisioning, omit the `provisioningRepository` parameter.

If the environment was configured for self-managed provisioning, specify the `provisioningRepository` parameter and omit the `protonServiceRoleArn` and `environmentAccountId` parameters.

For more information, see [Environments](#) and [Provisioning methods](#) in the *AWS Proton User Guide*.

There are four modes for updating an environment. The `deploymentType` field defines the mode.

## NONE

In this mode, a deployment *doesn't* occur. Only the requested metadata parameters are updated.

## CURRENT\_VERSION

In this mode, the environment is deployed and updated with the new spec that you provide. Only requested parameters are updated. *Don't* include minor or major version parameters when you use this `deployment-type`.

## MINOR\_VERSION

In this mode, the environment is deployed and updated with the published, recommended (latest) minor version of the current major version in use, by default. You can also specify a different minor version of the current major version in use.

## MAJOR\_VERSION

In this mode, the environment is deployed and updated with the published, recommended (latest) major and minor version of the current template, by default. You can also specify a different major version that's higher than the major version in use and a minor version.

## Request Syntax

```
{
  "codebuildRoleArn": "string",
  "componentRoleArn": "string",
  "deploymentType": "string",
  "description": "string",
  "environmentAccountConnectionId": "string",
  "name": "string",
  "protonServiceRoleArn": "string",
  "provisioningRepository": {
    "branch": "string",
    "name": "string",
    "provider": "string"
  },
  "spec": "string",
  "templateMajorVersion": "string",
  "templateMinorVersion": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

## codebuildRoleArn

The Amazon Resource Name (ARN) of the IAM service role that allows AWS Proton to provision infrastructure using CodeBuild-based provisioning on your behalf.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=, .@-]{1,512}[/:])*([\w+=, .@-]{1,64})$`

Required: No

## componentRoleArn

The Amazon Resource Name (ARN) of the IAM service role that AWS Proton uses when provisioning directly defined components in this environment. It determines the scope of infrastructure that a component can provision.

The environment must have a `componentRoleArn` to allow directly defined components to be associated with the environment.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=, .@-]{1,512}[/:])*([\w+=, .@-]{1,64})$`

Required: No

## deploymentType

There are four modes for updating an environment. The `deploymentType` field defines the mode.

NONE

In this mode, a deployment *doesn't* occur. Only the requested metadata parameters are updated.

## CURRENT\_VERSION

In this mode, the environment is deployed and updated with the new spec that you provide. Only requested parameters are updated. *Don't* include major or minor version parameters when you use this `deployment-type`.

## MINOR\_VERSION

In this mode, the environment is deployed and updated with the published, recommended (latest) minor version of the current major version in use, by default. You can also specify a different minor version of the current major version in use.

## MAJOR\_VERSION

In this mode, the environment is deployed and updated with the published, recommended (latest) major and minor version of the current template, by default. You can also specify a different major version that is higher than the major version in use and a minor version (optional).

Type: String

Valid Values: NONE | CURRENT\_VERSION | MINOR\_VERSION | MAJOR\_VERSION

Required: Yes

### description

A description of the environment update.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### environmentAccountConnectionId

The ID of the environment account connection.

You can only update to a new environment account connection if it was created in the same environment account that the current environment account connection was created in and is associated with the current environment.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### name

The name of the environment to update.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### protonServiceRoleArn

The Amazon Resource Name (ARN) of the AWS Proton service role that allows AWS Proton to make API calls to other services your behalf.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[(\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: No

### provisioningRepository

The linked repository that you use to host your rendered infrastructure templates for self-managed provisioning. A linked repository is a repository that has been registered with AWS Proton. For more information, see [CreateRepository](#).

Type: [RepositoryBranchInput](#) object

Required: No

### spec

The formatted specification that defines the update.

Type: String



Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

### templateMajorVersion

The major version of the environment to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: No

### templateMinorVersion

The minor version of the environment to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: No

## Response Syntax

```
{
  "environment": {
    "arn": "string",
    "codebuildRoleArn": "string",
    "componentRoleArn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "description": "string",
    "environmentAccountConnectionId": "string",
    "environmentAccountId": "string",
    "lastAttemptedDeploymentId": "string",
    "lastDeploymentAttemptedAt": number,
```

```
"lastDeploymentSucceededAt": number,
"lastSucceededDeploymentId": "string",
"name": "string",
"protonServiceRoleArn": "string",
"provisioning": "string",
"provisioningRepository": {
  "arn": "string",
  "branch": "string",
  "name": "string",
  "provider": "string"
},
"spec": "string",
"templateMajorVersion": "string",
"templateMinorVersion": "string",
"templateName": "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.

### environment

The environment detail data that's returned by AWS Proton.

Type: [Environment](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

# UpdateEnvironmentAccountConnection

In an environment account, update an environment account connection to use a new IAM role.

For more information, see [Environment account connections](#) in the *AWS Proton User guide*.

## Request Syntax

```
{
  "codebuildRoleArn": "string",
  "componentRoleArn": "string",
  "id": "string",
  "roleArn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [codebuildRoleArn](#)

The Amazon Resource Name (ARN) of an IAM service role in the environment account. AWS Proton uses this role to provision infrastructure resources using CodeBuild-based provisioning in the associated environment account.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=, .@-]{1,512}[/:])*([\w+=, .@-]{1,64})$`

Required: No

### [componentRoleArn](#)

The Amazon Resource Name (ARN) of the IAM service role that AWS Proton uses when provisioning directly defined components in the associated environment account. It determines the scope of infrastructure that a component can provision in the account.

The environment account connection must have a `componentRoleArn` to allow directly defined components to be associated with any environments running in the account.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=,.\@-]{1,512}[/:])*([\w+=,.\@-]{1,64})$`

Required: No

## id

The ID of the environment account connection to update.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: Yes

## roleArn

The Amazon Resource Name (ARN) of the IAM service role that's associated with the environment account connection to update.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=,.\@-]{1,512}[/:])*([\w+=,.\@-]{1,64})$`

Required: No

## Response Syntax

```
{
```

```
"environmentAccountConnection": {
  "arn": "string",
  "codebuildRoleArn": "string",
  "componentRoleArn": "string",
  "environmentAccountId": "string",
  "environmentName": "string",
  "id": "string",
  "lastModifiedAt": number,
  "managementAccountId": "string",
  "requestedAt": number,
  "roleArn": "string",
  "status": "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.

### environmentAccountConnection

The environment account connection detail data that's returned by AWS Proton.

Type: [EnvironmentAccountConnection](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# UpdateEnvironmentTemplate

Update an environment template.

## Request Syntax

```
{  
  "description": "string",  
  "displayName": "string",  
  "name": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### description

A description of the environment template update.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### displayName

The name of the environment template to update as displayed in the developer interface.

Type: String

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

Required: No

### name

The name of the environment template to update.

Type: String



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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## Response Syntax

```
{
  "environmentTemplate": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "displayName": "string",
    "encryptionKey": "string",
    "lastModifiedAt": number,
    "name": "string",
    "provisioning": "string",
    "recommendedVersion": "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.

### environmentTemplate

The environment template detail data that's returned by AWS Proton.

Type: [EnvironmentTemplate](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

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

# UpdateEnvironmentTemplateVersion

Update a major or minor version of an environment template.

## Request Syntax

```
{
  "description": "string",
  "majorVersion": "string",
  "minorVersion": "string",
  "status": "string",
  "templateName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### description

A description of environment template version to update.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### majorVersion

To update a major version of an environment template, include `majorVersion`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

## minorVersion

To update a minor version of an environment template, include `minorVersion`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

## status

The status of the environment template minor version to update.

Type: String

Valid Values: REGISTRATION\_IN\_PROGRESS | REGISTRATION\_FAILED | DRAFT | PUBLISHED

Required: No

## templateName

The name of the environment template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## Response Syntax

```
{
  "environmentTemplateVersion": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "lastModifiedAt": number,
```

```
"majorVersion": "string",
"minorVersion": "string",
"recommendedMinorVersion": "string",
"schema": "string",
"status": "string",
"statusMessage": "string",
"templateName": "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.

### [environmentTemplateVersion](#)

The environment template version detail data that's returned by AWS Proton.

Type: [EnvironmentTemplateVersion](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# UpdateService

Edit a service description or use a spec to add and delete service instances.

## Note

Existing service instances and the service pipeline *can't* be edited using this API. They can only be deleted.

Use the `description` parameter to modify the description.

Edit the `spec` parameter to add or delete instances.

## Note

You can't delete a service instance (remove it from the spec) if it has an attached component.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "description": "string",
  "name": "string",
  "spec": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### description

The edited service description.



Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### name

The name of the service to edit.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

### spec

Lists the service instances to add and the existing service instances to remain. Omit the existing service instances to delete from the list. *Don't* include edits to the existing service instances or pipeline. For more information, see [Edit a service](#) in the *AWS Proton User Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

## Response Syntax

```
{
  "service": {
    "arn": "string",
    "branchName": "string",
    "createdAt": number,
    "description": "string",
    "lastModifiedAt": number,
    "name": "string",
    "pipeline": {
      "arn": "string",
```

```
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "lastAttemptedDeploymentId": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "lastSucceededDeploymentId": "string",
    "spec": "string",
    "templateMajorVersion": "string",
    "templateMinorVersion": "string",
    "templateName": "string"
  },
  "repositoryConnectionArn": "string",
  "repositoryId": "string",
  "spec": "string",
  "status": "string",
  "statusMessage": "string",
  "templateName": "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.

### service

The service detail data that's returned by AWS Proton.

Type: [Service](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ServiceQuotaExceededException

A quota was exceeded. For more information, see [AWS Proton Quotas](#) in the *AWS Proton User Guide*.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

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

# UpdateServiceInstance

Update a service instance.

There are a few modes for updating a service instance. The `deploymentType` field defines the mode.

## Note

You can't update a service instance while its deployment status, or the deployment status of a component attached to it, is `IN_PROGRESS`.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

## Request Syntax

```
{
  "clientToken": "string",
  "deploymentType": "string",
  "name": "string",
  "serviceName": "string",
  "spec": "string",
  "templateMajorVersion": "string",
  "templateMinorVersion": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### clientToken

The client token of the service instance to update.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `^[!-~]*$`

Required: No

## deploymentType

The deployment type. It defines the mode for updating a service instance, as follows:

NONE

In this mode, a deployment *doesn't* occur. Only the requested metadata parameters are updated.

CURRENT\_VERSION

In this mode, the service instance is deployed and updated with the new spec that you provide. Only requested parameters are updated. *Don't* include major or minor version parameters when you use this deployment type.

MINOR\_VERSION

In this mode, the service instance is deployed and updated with the published, recommended (latest) minor version of the current major version in use, by default. You can also specify a different minor version of the current major version in use.

MAJOR\_VERSION

In this mode, the service instance is deployed and updated with the published, recommended (latest) major and minor version of the current template, by default. You can specify a different major version that's higher than the major version in use and a minor version.

Type: String

Valid Values: NONE | CURRENT\_VERSION | MINOR\_VERSION | MAJOR\_VERSION

Required: Yes

## name

The name of the service instance to update.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

### serviceName

The name of the service that the service instance belongs to.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

### spec

The formatted specification that defines the service instance update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

### templateMajorVersion

The major version of the service template to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: No

### templateMinorVersion

The minor version of the service template to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: No

## Response Syntax

```
{
  "serviceInstance": {
    "arn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "environmentName": "string",
    "lastAttemptedDeploymentId": "string",
    "lastClientRequestToken": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "lastSucceededDeploymentId": "string",
    "name": "string",
    "serviceName": "string",
    "spec": "string",
    "templateMajorVersion": "string",
    "templateMinorVersion": "string",
    "templateName": "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.

### serviceInstance

The service instance summary data that's returned by AWS Proton.

Type: [ServiceInstance](#) object



## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)

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

# UpdateServicePipeline

Update the service pipeline.

There are four modes for updating a service pipeline. The `deploymentType` field defines the mode.

## NONE

In this mode, a deployment *doesn't* occur. Only the requested metadata parameters are updated.

## CURRENT\_VERSION

In this mode, the service pipeline is deployed and updated with the new spec that you provide. Only requested parameters are updated. *Don't* include major or minor version parameters when you use this `deployment-type`.

## MINOR\_VERSION

In this mode, the service pipeline is deployed and updated with the published, recommended (latest) minor version of the current major version in use, by default. You can specify a different minor version of the current major version in use.

## MAJOR\_VERSION

In this mode, the service pipeline is deployed and updated with the published, recommended (latest) major and minor version of the current template by default. You can specify a different major version that's higher than the major version in use and a minor version.

## Request Syntax

```
{
  "deploymentType": "string",
  "serviceName": "string",
  "spec": "string",
  "templateMajorVersion": "string",
  "templateMinorVersion": "string"
```

```
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### deploymentType

The deployment type.

There are four modes for updating a service pipeline. The `deploymentType` field defines the mode.

#### NONE

In this mode, a deployment *doesn't* occur. Only the requested metadata parameters are updated.

#### CURRENT\_VERSION

In this mode, the service pipeline is deployed and updated with the new spec that you provide. Only requested parameters are updated. *Don't* include major or minor version parameters when you use this deployment-type.

#### MINOR\_VERSION

In this mode, the service pipeline is deployed and updated with the published, recommended (latest) minor version of the current major version in use, by default. You can specify a different minor version of the current major version in use.

#### MAJOR\_VERSION

In this mode, the service pipeline is deployed and updated with the published, recommended (latest) major and minor version of the current template, by default. You can specify a different major version that's higher than the major version in use and a minor version.

Type: String

Valid Values: NONE | CURRENT\_VERSION | MINOR\_VERSION | MAJOR\_VERSION

Required: Yes

### serviceName

The name of the service to that the pipeline is associated with.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

### spec

The spec for the service pipeline to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: Yes

### templateMajorVersion

The major version of the service template that was used to create the service that the pipeline is associated with.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: No

### templateMinorVersion

The minor version of the service template that was used to create the service that the pipeline is associated with.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: No

## Response Syntax

```
{
  "pipeline": {
    "arn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "lastAttemptedDeploymentId": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "lastSucceededDeploymentId": "string",
    "spec": "string",
    "templateMajorVersion": "string",
    "templateMinorVersion": "string",
    "templateName": "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.

### pipeline

The pipeline details that are returned by AWS Proton.

Type: [ServicePipeline](#) object

## Errors

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

## AccessDeniedException

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

## ConflictException

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

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



# UpdateServiceSyncBlocker

Update the service sync blocker by resolving it.

## Request Syntax

```
{
  "id": "string",
  "resolvedReason": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### id

The ID of the service sync blocker.

Type: String

Required: Yes

### resolvedReason

The reason the service sync blocker was resolved.

Type: String

Required: Yes

## Response Syntax

```
{
  "serviceInstanceName": "string",
  "serviceName": "string",
  "serviceSyncBlocker": {
    "contexts": [
      {
```

```
        "key": "string",
        "value": "string"
    }
],
"createdAt": number,
"createdReason": "string",
"id": "string",
"resolvedAt": number,
"resolvedReason": "string",
"status": "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.

### serviceInstanceName

The name of the service instance that you want to update the service sync blocker for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

### serviceName

The name of the service that you want to update the service sync blocker for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

### serviceSyncBlocker

The detailed data on the service sync blocker that was updated.

Type: [SyncBlocker](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)

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

# UpdateServiceSyncConfig

Update the AWS Proton Ops config file.

## Request Syntax

```
{
  "branch": "string",
  "filePath": "string",
  "repositoryName": "string",
  "repositoryProvider": "string",
  "serviceName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### branch

The name of the code repository branch where the AWS Proton Ops file is found.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: Yes

### filePath

The path to the AWS Proton Ops file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

### repositoryName

The name of the repository where the AWS Proton Ops file is found.

Type: String

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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### repositoryProvider

The name of the repository provider where the AWS Proton Ops file is found.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

### serviceName

The name of the service the AWS Proton Ops file is for.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
  "serviceSyncConfig": {
    "branch": "string",
    "filePath": "string",
    "repositoryName": "string",
    "repositoryProvider": "string",
    "serviceName": "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.

### [serviceSyncConfig](#)

The detailed data of the AWS Proton Ops file.

Type: [ServiceSyncConfig](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerError**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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



# UpdateServiceTemplate

Update a service template.

## Request Syntax

```
{
  "description": "string",
  "displayName": "string",
  "name": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### description

A description of the service template update.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### displayName

The name of the service template to update that's displayed in the developer interface.

Type: String

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

Required: No

### name

The name of the service template to update.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

## Response Syntax

```
{
  "serviceTemplate": {
    "arn": "string",
    "createdAt": number,
    "description": "string",
    "displayName": "string",
    "encryptionKey": "string",
    "lastModifiedAt": number,
    "name": "string",
    "pipelineProvisioning": "string",
    "recommendedVersion": "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.

### serviceTemplate

The service template detail data that's returned by AWS Proton.

Type: [ServiceTemplate](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500

### **ResourceNotFoundException**

The requested resource *wasn't* found.

HTTP Status Code: 400

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **ValidationException**

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **See Also**

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

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

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

# UpdateServiceTemplateVersion

Update a major or minor version of a service template.

## Request Syntax

```
{
  "compatibleEnvironmentTemplates": [
    {
      "majorVersion": "string",
      "templateName": "string"
    }
  ],
  "description": "string",
  "majorVersion": "string",
  "minorVersion": "string",
  "status": "string",
  "supportedComponentSources": [ "string" ],
  "templateName": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [compatibleEnvironmentTemplates](#)

An array of environment template objects that are compatible with this service template version. A service instance based on this service template version can run in environments based on compatible templates.

Type: Array of [CompatibleEnvironmentTemplateInput](#) objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

### [description](#)

A description of a service template version to update.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### majorVersion

To update a major version of a service template, include `majorVersion`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### minorVersion

To update a minor version of a service template, include `minorVersion`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### status

The status of the service template minor version to update.

Type: String

Valid Values: `REGISTRATION_IN_PROGRESS` | `REGISTRATION_FAILED` | `DRAFT` | `PUBLISHED`

Required: No

### supportedComponentSources

An array of supported component sources. Components with supported sources can be attached to service instances based on this service template version.

**Note**

A change to `supportedComponentSources` doesn't impact existing component attachments to instances based on this template version. A change only affects later associations.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

Type: Array of strings

Valid Values: DIRECTLY\_DEFINED

Required: No

**templateName**

The name of the service template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

**Response Syntax**

```
{
  "serviceTemplateVersion": {
    "arn": "string",
    "compatibleEnvironmentTemplates": [
      {
        "majorVersion": "string",
        "templateName": "string"
      }
    ],
    "createdAt": number,
    "description": "string",
    "lastModifiedAt": number,
```

```
"majorVersion": "string",  
"minorVersion": "string",  
"recommendedMinorVersion": "string",  
"schema": "string",  
"status": "string",  
"statusMessage": "string",  
"supportedComponentSources": [ "string" ],  
"templateName": "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.

### serviceTemplateVersion

The service template version detail data that's returned by AWS Proton.

Type: [ServiceTemplateVersion](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

### **InternalServerErrorException**

The request failed to register with the service.

HTTP Status Code: 500



## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# UpdateTemplateSyncConfig

Update template sync configuration parameters, except for the `templateName` and `templateType`. Repository details (branch, name, and provider) should be of a linked repository. A linked repository is a repository that has been registered with AWS Proton. For more information, see [CreateRepository](#).

## Request Syntax

```
{
  "branch": "string",
  "repositoryName": "string",
  "repositoryProvider": "string",
  "subdirectory": "string",
  "templateName": "string",
  "templateType": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [branch](#)

The repository branch for your template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: Yes

### [repositoryName](#)

The repository name (for example, `myrepos/myrepo`).

Type: String

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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### repositoryProvider

The repository provider.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

### subdirectory

A subdirectory path to your template bundle version. When included, limits the template bundle search to this repository directory.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

### templateName

The synced template name.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### templateType

The synced template type.

Type: String

Valid Values: ENVIRONMENT | SERVICE

Required: Yes

## Response Syntax

```
{
  "templateSyncConfig": {
    "branch": "string",
    "repositoryName": "string",
    "repositoryProvider": "string",
    "subdirectory": "string",
    "templateName": "string",
    "templateType": "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.

### [templateSyncConfig](#)

The template sync configuration detail data that's returned by AWS Proton.

Type: [TemplateSyncConfig](#) object

## Errors

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

### **AccessDeniedException**

There *isn't* sufficient access for performing this action.

HTTP Status Code: 400

### **ConflictException**

The request *couldn't* be made due to a conflicting operation or resource.

HTTP Status Code: 400

## InternalServerErrorException

The request failed to register with the service.

HTTP Status Code: 500

## ResourceNotFoundException

The requested resource *wasn't* found.

HTTP Status Code: 400

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

## ValidationException

The input is invalid or an out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## See Also

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

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

# Data Types

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

## Note

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

The following data types are supported:

- [AccountSettings](#)
- [CompatibleEnvironmentTemplate](#)
- [CompatibleEnvironmentTemplateInput](#)
- [Component](#)
- [ComponentState](#)
- [ComponentSummary](#)
- [CountsSummary](#)
- [Deployment](#)
- [DeploymentState](#)
- [DeploymentSummary](#)
- [Environment](#)
- [EnvironmentAccountConnection](#)
- [EnvironmentAccountConnectionSummary](#)
- [EnvironmentState](#)
- [EnvironmentSummary](#)
- [EnvironmentTemplate](#)
- [EnvironmentTemplateFilter](#)
- [EnvironmentTemplateSummary](#)
- [EnvironmentTemplateVersion](#)
- [EnvironmentTemplateVersionSummary](#)

- [ListServiceInstancesFilter](#)
- [Output](#)
- [ProvisionedResource](#)
- [Repository](#)
- [RepositoryBranch](#)
- [RepositoryBranchInput](#)
- [RepositorySummary](#)
- [RepositorySyncAttempt](#)
- [RepositorySyncDefinition](#)
- [RepositorySyncEvent](#)
- [ResourceCountsSummary](#)
- [ResourceSyncAttempt](#)
- [ResourceSyncEvent](#)
- [Revision](#)
- [S3ObjectSource](#)
- [Service](#)
- [ServiceInstance](#)
- [ServiceInstanceState](#)
- [ServiceInstanceSummary](#)
- [ServicePipeline](#)
- [ServicePipelineState](#)
- [ServiceSummary](#)
- [ServiceSyncBlockerSummary](#)
- [ServiceSyncConfig](#)
- [ServiceTemplate](#)
- [ServiceTemplateSummary](#)
- [ServiceTemplateVersion](#)
- [ServiceTemplateVersionSummary](#)
- [SyncBlocker](#)
- [SyncBlockerContext](#)

- [Tag](#)
- [TemplateSyncConfig](#)
- [TemplateVersionSourceInput](#)



# AccountSettings

AWS Proton settings that are used for multiple services in the AWS account.

## Contents

### pipelineCodebuildRoleArn

The Amazon Resource Name (ARN) of the service role that AWS Proton uses for provisioning pipelines. AWS Proton assumes this role for CodeBuild-based provisioning.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `(^$)|(^arn:(aws|aws-cn|aws-us-gov):iam:\d{12}:role/([\w+=, .@-]{1,512}[/:])*([\w+=, .@-]{1,64})$)`

Required: No

### pipelineProvisioningRepository

The linked repository for pipeline provisioning. Required if you have environments configured for self-managed provisioning with services that include pipelines. A linked repository is a repository that has been registered with AWS Proton. For more information, see [CreateRepository](#).

Type: [RepositoryBranch](#) object

Required: No

### pipelineServiceRoleArn

The Amazon Resource Name (ARN) of the service role you want to use for provisioning pipelines. Assumed by AWS Proton for AWS-managed provisioning, and by customer-owned automation for self-managed provisioning.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `(^$)|(^arn:(aws|aws-cn|aws-us-gov):iam:\d{12}:role/([\w+=, .@-]{1,512}[/:])*([\w+=, .@-]{1,64})$)`

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

# CompatibleEnvironmentTemplate

Compatible environment template data.

## Contents

### majorVersion

The major version of the compatible environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### templateName

The compatible environment template name.

Type: String

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

Pattern:  $^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$$

Required: Yes

## See Also

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

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

# CompatibleEnvironmentTemplateInput

Compatible environment template data.

## Contents

### majorVersion

The major version of the compatible environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### templateName

The compatible environment template name.

Type: String

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

Pattern:  $^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$$

Required: Yes

## See Also

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

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

# Component

Detailed data of an AWS Proton component resource.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

## Contents

### arn

The Amazon Resource Name (ARN) of the component.

Type: String

Required: Yes

### createdAt

The time when the component was created.

Type: Timestamp

Required: Yes

### deploymentStatus

The component deployment status.

Type: String

Valid Values: IN\_PROGRESS | FAILED | SUCCEEDED | DELETE\_IN\_PROGRESS | DELETE\_FAILED | DELETE\_COMPLETE | CANCELLING | CANCELLED

Required: Yes

### environmentName

The name of the AWS Proton environment that this component is associated with.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

### **lastModifiedAt**

The time when the component was last modified.

Type: Timestamp

Required: Yes

### **name**

The name of the component.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

### **deploymentStatusMessage**

The message associated with the component deployment status.

Type: String

Required: No

### **description**

A description of the component.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **lastAttemptedDeploymentId**

The ID of the last attempted deployment of this component.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **lastClientRequestToken**

The last token the client requested.

Type: String

Required: No

### **lastDeploymentAttemptedAt**

The time when a deployment of the component was last attempted.

Type: Timestamp

Required: No

### **lastDeploymentSucceededAt**

The time when the component was last deployed successfully.

Type: Timestamp

Required: No

### **lastSucceededDeploymentId**

The ID of the last successful deployment of this component.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **serviceName**

The name of the service instance that this component is attached to. Provided when a component is attached to a service instance.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: No

### **serviceName**

The name of the service that `serviceName` is associated with. Provided when a component is attached to a service instance.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: No

### **serviceSpec**

The service spec that the component uses to access service inputs. Provided when a component is attached to a service instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

## **See Also**

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

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



# ComponentState

The detailed data about the current state of the component.

## Contents

### **serviceInstanceName**

The name of the service instance that this component is attached to. Provided when a component is attached to a service instance.

Type: String

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

Pattern: (^\$) | ^[0-9A-Za-z]+[0-9A-Za-z\_\-]\*\$

Required: No

### **serviceName**

The name of the service that `serviceInstanceName` is associated with. Provided when a component is attached to a service instance.

Type: String

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

Pattern: (^\$) | ^[0-9A-Za-z]+[0-9A-Za-z\_\-]\*\$

Required: No

### **serviceSpec**

The service spec that the component uses to access service inputs. Provided when a component is attached to a service instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

## templateFile

The template file used.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

## See Also

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

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

# ComponentSummary

Summary data of an AWS Proton component resource.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

## Contents

### arn

The Amazon Resource Name (ARN) of the component.

Type: String

Required: Yes

### createdAt

The time when the component was created.

Type: Timestamp

Required: Yes

### deploymentStatus

The component deployment status.

Type: String

Valid Values: IN\_PROGRESS | FAILED | SUCCEEDED | DELETE\_IN\_PROGRESS | DELETE\_FAILED | DELETE\_COMPLETE | CANCELLING | CANCELLED

Required: Yes

### environmentName

The name of the AWS Proton environment that this component is associated with.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### **lastModifiedAt**

The time when the component was last modified.

Type: Timestamp

Required: Yes

### **name**

The name of the component.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### **deploymentStatusMessage**

The message associated with the component deployment status.

Type: String

Required: No

### **lastAttemptedDeploymentId**

The ID of the last attempted deployment of this component.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **lastDeploymentAttemptedAt**

The time when a deployment of the component was last attempted.

Type: Timestamp

Required: No

### **lastDeploymentSucceededAt**

The time when the component was last deployed successfully.

Type: Timestamp

Required: No

### **lastSucceededDeploymentId**

The ID of the last successful deployment of this component.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **serviceInstanceName**

The name of the service instance that this component is attached to. Provided when a component is attached to a service instance.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: No

### **serviceName**

The name of the service that `serviceInstanceName` is associated with. Provided when a component is attached to a service instance.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: No

## See Also

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

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

# CountsSummary

Summary counts of each AWS Proton resource type.

## Contents

### components

The total number of components in the AWS account.

The semantics of the `components` field are different from the semantics of results for other infrastructure-provisioning resources. That's because at this time components don't have associated templates, therefore they don't have the concept of staleness. The `components` object will only contain `total` and `failed` members.

Type: [ResourceCountsSummary](#) object

Required: No

### environments

The staleness counts for AWS Proton environments in the AWS account. The `environments` object will only contain `total` members.

Type: [ResourceCountsSummary](#) object

Required: No

### environmentTemplates

The total number of environment templates in the AWS account. The `environmentTemplates` object will only contain `total` members.

Type: [ResourceCountsSummary](#) object

Required: No

### pipelines

The staleness counts for AWS Proton pipelines in the AWS account.

Type: [ResourceCountsSummary](#) object

Required: No

## serviceInstances

The staleness counts for AWS Proton service instances in the AWS account.

Type: [ResourceCountsSummary](#) object

Required: No

## services

The staleness counts for AWS Proton services in the AWS account.

Type: [ResourceCountsSummary](#) object

Required: No

## serviceTemplates

The total number of service templates in the AWS account. The `serviceTemplates` object will only contain `total` members.

Type: [ResourceCountsSummary](#) object

Required: No

## See Also

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

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



# Deployment

The detailed information about a deployment.

## Contents

### **arn**

The Amazon Resource Name (ARN) of the deployment.

Type: String

Required: Yes

### **createdAt**

The date and time the deployment was created.

Type: Timestamp

Required: Yes

### **deploymentStatus**

The status of the deployment.

Type: String

Valid Values: IN\_PROGRESS | FAILED | SUCCEEDED | DELETE\_IN\_PROGRESS | DELETE\_FAILED | DELETE\_COMPLETE | CANCELLING | CANCELLED

Required: Yes

### **environmentName**

The name of the environment associated with this deployment.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

**id**

The ID of the deployment.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: Yes

**lastModifiedAt**

The date and time the deployment was last modified.

Type: Timestamp

Required: Yes

**targetArn**

The Amazon Resource Name (ARN) of the target of the deployment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:([\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: Yes

**targetResourceCreatedAt**

The date and time the deployment target was created.

Type: Timestamp

Required: Yes

**targetResourceType**

The resource type of the deployment target. It can be an environment, service, service instance, or component.

Type: String

Valid Values: ENVIRONMENT | SERVICE\_PIPELINE | SERVICE\_INSTANCE | COMPONENT

Required: Yes

### **completedAt**

The date and time the deployment was completed.

Type: Timestamp

Required: No

### **componentName**

The name of the component associated with this deployment.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

### **deploymentStatusMessage**

The deployment status message.

Type: String

Required: No

### **initialState**

The initial state of the target resource at the time of the deployment.

Type: [DeploymentState](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

### **lastAttemptedDeploymentId**

The ID of the last attempted deployment.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **lastSucceededDeploymentId**

The ID of the last successful deployment.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **serviceInstanceName**

The name of the deployment's service instance.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

### **serviceName**

The name of the service in this deployment.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

### **targetState**

The target state of the target resource at the time of the deployment.

Type: [DeploymentState](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

## See Also

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

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

# DeploymentState

The detailed data about the current state of the deployment.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### component

The state of the component associated with the deployment.

Type: [ComponentState](#) object

Required: No

### environment

The state of the environment associated with the deployment.

Type: [EnvironmentState](#) object

Required: No

### serviceInstance

The state of the service instance associated with the deployment.

Type: [ServiceInstanceState](#) object

Required: No

### servicePipeline

The state of the service pipeline associated with the deployment.

Type: [ServicePipelineState](#) object

Required: No

## See Also

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

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

# DeploymentSummary

Summary data of the deployment.

## Contents

### arn

The Amazon Resource Name (ARN) of the deployment.

Type: String

Required: Yes

### createdAt

The date and time the deployment was created.

Type: Timestamp

Required: Yes

### deploymentStatus

The current status of the deployment.

Type: String

Valid Values: IN\_PROGRESS | FAILED | SUCCEEDED | DELETE\_IN\_PROGRESS | DELETE\_FAILED | DELETE\_COMPLETE | CANCELLING | CANCELLED

Required: Yes

### environmentName

The name of the environment associated with the deployment.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes



**id**

The ID of the deployment.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: Yes

**lastModifiedAt**

The date and time the deployment was last modified.

Type: Timestamp

Required: Yes

**targetArn**

The Amazon Resource Name (ARN) of the target of the deployment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:([\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: Yes

**targetResourceCreatedAt**

The date and time the target resource was created.

Type: Timestamp

Required: Yes

**targetResourceType**

The resource type of the deployment target. It can be an environment, service, service instance, or component.

Type: String

Valid Values: ENVIRONMENT | SERVICE\_PIPELINE | SERVICE\_INSTANCE | COMPONENT

Required: Yes

### **completedAt**

The date and time the deployment was completed.

Type: Timestamp

Required: No

### **componentName**

The name of the component associated with the deployment.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: No

### **lastAttemptedDeploymentId**

The ID of the last attempted deployment.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **lastSucceededDeploymentId**

The ID of the last successful deployment.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **serviceInstanceName**

The name of the service instance associated with the deployment.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: No

### **serviceName**

The name of the service associated with the deployment.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: No

## **See Also**

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

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

# Environment

Detailed data of an AWS Proton environment resource. An AWS Proton environment is a set of resources shared across AWS Proton services.

## Contents

### **arn**

The Amazon Resource Name (ARN) of the environment.

Type: String

Required: Yes

### **createdAt**

The time when the environment was created.

Type: Timestamp

Required: Yes

### **deploymentStatus**

The environment deployment status.

Type: String

Valid Values: IN\_PROGRESS | FAILED | SUCCEEDED | DELETE\_IN\_PROGRESS | DELETE\_FAILED | DELETE\_COMPLETE | CANCELLING | CANCELLED

Required: Yes

### **lastDeploymentAttemptedAt**

The time when a deployment of the environment was last attempted.

Type: Timestamp

Required: Yes

### **lastDeploymentSucceededAt**

The time when the environment was last deployed successfully.

Type: Timestamp

Required: Yes

### **name**

The name of the environment.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### **templateMajorVersion**

The major version of the environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### **templateMinorVersion**

The minor version of the environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### **templateName**

The Amazon Resource Name (ARN) of the environment template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### **codebuildRoleArn**

The Amazon Resource Name (ARN) of the IAM service role that allows AWS Proton to provision infrastructure using CodeBuild-based provisioning on your behalf.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=,.\@-]{1,512}[/:])*([\w+=,.\@-]{1,64})$`

Required: No

### **componentRoleArn**

The Amazon Resource Name (ARN) of the IAM service role that AWS Proton uses when provisioning directly defined components in this environment. It determines the scope of infrastructure that a component can provision.

The environment must have a `componentRoleArn` to allow directly defined components to be associated with the environment.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=,.\@-]{1,512}[/:])*([\w+=,.\@-]{1,64})$`

Required: No

### **deploymentStatusMessage**

An environment deployment status message.

Type: String

Required: No

### **description**

The description of the environment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **environmentAccountConnectionId**

The ID of the environment account connection that's used to provision infrastructure resources in an environment account.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **environmentAccountId**

The ID of the environment account that the environment infrastructure resources are provisioned in.

Type: String

Pattern: `^\d{12}$`

Required: No

### **lastAttemptedDeploymentId**

The ID of the last attempted deployment of this environment.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **lastSucceededDeploymentId**

The ID of the last successful deployment of this environment.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **protonServiceRoleArn**

The Amazon Resource Name (ARN) of the AWS Proton service role that allows AWS Proton to make calls to other services on your behalf.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:([\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: No

### **provisioning**

When included, indicates that the environment template is for customer provisioned and managed infrastructure.

Type: String

Valid Values: CUSTOMER\_MANAGED

Required: No

### **provisioningRepository**

The linked repository that you use to host your rendered infrastructure templates for self-managed provisioning. A linked repository is a repository that has been registered with AWS Proton. For more information, see [CreateRepository](#).

Type: [RepositoryBranch](#) object

Required: No

### **spec**

The environment spec.

Type: String



Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

## See Also

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

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

# EnvironmentAccountConnection

Detailed data of an AWS Proton environment account connection resource.

## Contents

### arn

The Amazon Resource Name (ARN) of the environment account connection.

Type: String

Required: Yes

### environmentAccountId

The environment account that's connected to the environment account connection.

Type: String

Pattern: `^\d{12}$`

Required: Yes

### environmentName

The name of the environment that's associated with the environment account connection.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

### id

The ID of the environment account connection.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: Yes

**lastModifiedAt**

The time when the environment account connection was last modified.

Type: Timestamp

Required: Yes

**managementAccountId**

The ID of the management account that's connected to the environment account connection.

Type: String

Pattern: `^\d{12}$`

Required: Yes

**requestedAt**

The time when the environment account connection request was made.

Type: Timestamp

Required: Yes

**roleArn**

The IAM service role that's associated with the environment account connection.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[(\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: Yes

**status**

The status of the environment account connection.

Type: String

Valid Values: PENDING | CONNECTED | REJECTED

Required: Yes

### **codebuildRoleArn**

The Amazon Resource Name (ARN) of an IAM service role in the environment account. AWS Proton uses this role to provision infrastructure resources using CodeBuild-based provisioning in the associated environment account.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=,.\@-]{1,512}[/:])*([\w+=,.\@-]{1,64})$`

Required: No

### **componentRoleArn**

The Amazon Resource Name (ARN) of the IAM service role that AWS Proton uses when provisioning directly defined components in the associated environment account. It determines the scope of infrastructure that a component can provision in the account.

The environment account connection must have a `componentRoleArn` to allow directly defined components to be associated with any environments running in the account.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

Type: String

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

Pattern: `^arn:(aws|aws-cn|aws-us-gov):iam::\d{12}:role/([\w+=,.\@-]{1,512}[/:])*([\w+=,.\@-]{1,64})$`

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

# EnvironmentAccountConnectionSummary

Summary data of an AWS Proton environment account connection resource.

## Contents

### arn

The Amazon Resource Name (ARN) of the environment account connection.

Type: String

Required: Yes

### environmentAccountId

The ID of the environment account that's connected to the environment account connection.

Type: String

Pattern: `^\d{12}$`

Required: Yes

### environmentName

The name of the environment that's associated with the environment account connection.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

### id

The ID of the environment account connection.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: Yes

**lastModifiedAt**

The time when the environment account connection was last modified.

Type: Timestamp

Required: Yes

**managementAccountId**

The ID of the management account that's connected to the environment account connection.

Type: String

Pattern: `^\d{12}$`

Required: Yes

**requestedAt**

The time when the environment account connection request was made.

Type: Timestamp

Required: Yes

**roleArn**

The IAM service role that's associated with the environment account connection.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: Yes

**status**

The status of the environment account connection.

Type: String

Valid Values: PENDING | CONNECTED | REJECTED

Required: Yes

## **componentRoleArn**

The Amazon Resource Name (ARN) of the IAM service role that AWS Proton uses when provisioning directly defined components in the associated environment account. It determines the scope of infrastructure that a component can provision in the account.

The environment account connection must have a `componentRoleArn` to allow directly defined components to be associated with any environments running in the account.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: No

## **See Also**

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

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



# EnvironmentState

The detailed data about the current state of the environment.

## Contents

### templateMajorVersion

The major version of the environment template that was used to create the environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### templateMinorVersion

The minor version of the environment template that was used to create the environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### templateName

The name of the environment template that was used to create the environment.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\ ]*$`

Required: Yes

### spec

The environment spec that was used to create the environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

## See Also

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

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

# EnvironmentSummary

Summary data of an AWS Proton environment resource. An AWS Proton environment is a set of resources shared across AWS Proton services.

## Contents

### arn

The Amazon Resource Name (ARN) of the environment.

Type: String

Required: Yes

### createdAt

The time when the environment was created.

Type: Timestamp

Required: Yes

### deploymentStatus

The environment deployment status.

Type: String

Valid Values: IN\_PROGRESS | FAILED | SUCCEEDED | DELETE\_IN\_PROGRESS | DELETE\_FAILED | DELETE\_COMPLETE | CANCELLING | CANCELLED

Required: Yes

### lastDeploymentAttemptedAt

The time when a deployment of the environment was last attempted.

Type: Timestamp

Required: Yes

### lastDeploymentSucceededAt

The time when the environment was last deployed successfully.

Type: Timestamp

Required: Yes

### **name**

The name of the environment.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### **templateMajorVersion**

The major version of the environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### **templateMinorVersion**

The minor version of the environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### **templateName**

The name of the environment template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

### **componentRoleArn**

The Amazon Resource Name (ARN) of the IAM service role that AWS Proton uses when provisioning directly defined components in this environment. It determines the scope of infrastructure that a component can provision.

The environment must have a `componentRoleArn` to allow directly defined components to be associated with the environment.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: No

### **deploymentStatusMessage**

An environment deployment status message.

Type: String

Required: No

### **description**

The description of the environment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **environmentAccountConnectionId**

The ID of the environment account connection that the environment is associated with.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **environmentAccountId**

The ID of the environment account that the environment infrastructure resources are provisioned in.

Type: String

Pattern: `^\d{12}$`

Required: No

### **lastAttemptedDeploymentId**

The ID of the last attempted deployment of this environment.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **lastSucceededDeploymentId**

The ID of the last successful deployment of this environment.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **protonServiceRoleArn**

The Amazon Resource Name (ARN) of the AWS Proton service role that allows AWS Proton to make calls to other services on your behalf.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.



# EnvironmentTemplate

The environment template data.

## Contents

### **arn**

The Amazon Resource Name (ARN) of the environment template.

Type: String

Required: Yes

### **createdAt**

The time when the environment template was created.

Type: Timestamp

Required: Yes

### **lastModifiedAt**

The time when the environment template was last modified.

Type: Timestamp

Required: Yes

### **name**

The name of the environment template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\ ]*$`

Required: Yes

### **description**

A description of the environment template.



Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **displayName**

The name of the environment template as displayed in the developer interface.

Type: String

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

Required: No

### **encryptionKey**

The customer provided encryption key for the environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[a-zA-Z0-9-]+[/:]*(\w+=, .@-)+/$`

Required: No

### **provisioning**

When included, indicates that the environment template is for customer provisioned and managed infrastructure.

Type: String

Valid Values: CUSTOMER\_MANAGED

Required: No

### **recommendedVersion**

The ID of the recommended version of the environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10.

Pattern: `^(0|([1-9]{1}\d*)).(0|([1-9]{1}\d*))$`

Required: No

## See Also

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

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

# EnvironmentTemplateFilter

A search filter for environment templates.

## Contents

### majorVersion

Include `majorVersion` to filter search for a major version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### templateName

Include `templateName` to filter search for a template name.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

## See Also

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

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

# EnvironmentTemplateSummary

The environment template data.

## Contents

### **arn**

The Amazon Resource Name (ARN) of the environment template.

Type: String

Required: Yes

### **createdAt**

The time when the environment template was created.

Type: Timestamp

Required: Yes

### **lastModifiedAt**

The time when the environment template was last modified.

Type: Timestamp

Required: Yes

### **name**

The name of the environment template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

### **description**

A description of the environment template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **displayName**

The name of the environment template as displayed in the developer interface.

Type: String

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

Required: No

### **provisioning**

When included, indicates that the environment template is for customer provisioned and managed infrastructure.

Type: String

Valid Values: CUSTOMER\_MANAGED

Required: No

### **recommendedVersion**

The recommended version of the environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10.

Pattern:  $^{(0|([1-9]{1}\d*))} \cdot (0|([1-9]{1}\d*))$

Required: No

## **See Also**

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

- [AWS SDK for C++](#)

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

# EnvironmentTemplateVersion

The environment template version data.

## Contents

### arn

The Amazon Resource Name (ARN) of the version of an environment template.

Type: String

Required: Yes

### createdAt

The time when the version of an environment template was created.

Type: Timestamp

Required: Yes

### lastModifiedAt

The time when the version of an environment template was last modified.

Type: Timestamp

Required: Yes

### majorVersion

The latest major version that's associated with the version of an environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^{(0|([1-9]{1}\d*))}$

Required: Yes

### minorVersion

The minor version of an environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### **status**

The status of the version of an environment template.

Type: String

Valid Values: REGISTRATION\_IN\_PROGRESS | REGISTRATION\_FAILED | DRAFT | PUBLISHED

Required: Yes

### **templateName**

The name of the version of an environment template.

Type: String

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

Pattern:  $^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$$

Required: Yes

### **description**

A description of the minor version of an environment template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **recommendedMinorVersion**

The recommended minor version of the environment template.

Type: String



Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: No

## **schema**

The schema of the version of an environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

## **statusMessage**

The status message of the version of an environment template.

Type: String

Required: No

## **See Also**

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

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

# EnvironmentTemplateVersionSummary

A summary of the version of an environment template detail data.

## Contents

### arn

The Amazon Resource Name (ARN) of the version of an environment template.

Type: String

Required: Yes

### createdAt

The time when the version of an environment template was created.

Type: Timestamp

Required: Yes

### lastModifiedAt

The time when the version of an environment template was last modified.

Type: Timestamp

Required: Yes

### majorVersion

The latest major version that's associated with the version of an environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^{(0|([1-9]{1}\d*))}$

Required: Yes

### minorVersion

The version of an environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### **status**

The status of the version of an environment template.

Type: String

Valid Values: REGISTRATION\_IN\_PROGRESS | REGISTRATION\_FAILED | DRAFT | PUBLISHED

Required: Yes

### **templateName**

The name of the environment template.

Type: String

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

Pattern:  $^[0-9A-Za-z]+[0-9A-Za-z_\-\ ]*$$

Required: Yes

### **description**

A description of the version of an environment template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **recommendedMinorVersion**

The recommended minor version of the environment template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: No

### **statusMessage**

The status message of the version of an environment template.

Type: String

Required: No

## **See Also**

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

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

# ListServiceInstancesFilter

A filtering criterion to scope down the result list of the [ListServiceInstances](#) action.

## Contents

### key

The name of a filtering criterion.

Type: String

Valid Values: name | deploymentStatus | templateName | serviceName  
| deployedTemplateVersionStatus | environmentName |  
lastDeploymentAttemptedAtBefore | lastDeploymentAttemptedAtAfter |  
createdAtBefore | createdAtAfter

Required: No

### value

A value to filter by.

With the date/time keys (\*At{Before, After}), the value is a valid [RFC 3339](#) string with no UTC offset and with an optional fractional precision (for example, 1985-04-12T23:20:50.52Z).

Type: String

Required: No

## See Also

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

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

# Output

An infrastructure as code defined resource output.

## Contents

### key

The output key.

Type: String

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

Required: No

### valueString

The output value.

Type: String

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

Required: No

## See Also

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

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

# ProvisionedResource

Detail data for a provisioned resource.

## Contents

### identifier

The provisioned resource identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

### name

The provisioned resource name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

### provisioningEngine

The resource provisioning engine. At this time, CLOUDFORMATION can be used for AWS-managed provisioning, and TERRAFORM can be used for self-managed provisioning.

For more information, see [Self-managed provisioning](#) in the *AWS Proton User Guide*.

Type: String

Valid Values: CLOUDFORMATION | TERRAFORM

Required: No

## See Also

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

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



# Repository

Detailed data of a linked repository—a repository that has been registered with AWS Proton.

## Contents

### arn

The Amazon Resource Name (ARN) of the linked repository.

Type: String

Required: Yes

### connectionArn

The Amazon Resource Name (ARN) of your AWS CodeStar connection that connects AWS Proton to your repository provider account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:([\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: Yes

### name

The repository name.

Type: String

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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### provider

The repository provider.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

### **encryptionKey**

Your customer AWS KMS encryption key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[a-zA-Z0-9-]+[/:]*(\w+=, .@-)+$`

Required: No

## **See Also**

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

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

# RepositoryBranch

Detail data for a linked repository branch.

## Contents

### arn

The Amazon Resource Name (ARN) of the linked repository.

Type: String

Required: Yes

### branch

The repository branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: Yes

### name

The repository name.

Type: String

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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### provider

The repository provider.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

## See Also

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

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

# RepositoryBranchInput

Detail input data for a linked repository branch.

## Contents

### branch

The repository branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: Yes

### name

The repository name.

Type: String

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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### provider

The repository provider.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

## See Also

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

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

# RepositorySummary

Summary data of a linked repository—a repository that has been registered with AWS Proton.

## Contents

### arn

The Amazon Resource Name (ARN) of the linked repository.

Type: String

Required: Yes

### connectionArn

The Amazon Resource Name (ARN) of the of your connection that connects AWS Proton to your repository.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:([\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: Yes

### name

The repository name.

Type: String

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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### provider

The repository provider.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

## See Also

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

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



# RepositorySyncAttempt

Detail data for a repository sync attempt activated by a push to a repository.

## Contents

### events

Detail data for sync attempt events.

Type: Array of [RepositorySyncEvent](#) objects

Required: Yes

### startedAt

The time when the sync attempt started.

Type: Timestamp

Required: Yes

### status

The sync attempt status.

Type: String

Valid Values: INITIATED | IN\_PROGRESS | SUCCEEDED | FAILED | QUEUED

Required: Yes

## See Also

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

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

# RepositorySyncDefinition

A repository sync definition.

## Contents

### branch

The repository branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: Yes

### directory

The directory in the repository.

Type: String

Required: Yes

### parent

The resource that is synced from.

Type: String

Required: Yes

### target

The resource that is synced to.

Type: String

Required: Yes

## See Also

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

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

# RepositorySyncEvent

Repository sync event detail data for a sync attempt.

## Contents

### event

Event detail for a repository sync attempt.

Type: String

Required: Yes

### time

The time that the sync event occurred.

Type: Timestamp

Required: Yes

### type

The type of event.

Type: String

Required: Yes

### externalId

The external ID of the sync event.

Type: String

Required: No

## See Also

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

- [AWS SDK for C++](#)

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

# ResourceCountsSummary

Summary counts of each AWS Proton resource types.

## Contents

### **total**

The total number of resources of this type in the AWS account.

Type: Integer

Required: Yes

### **behindMajor**

The number of resources of this type in the AWS account that need a major template version update.

Type: Integer

Required: No

### **behindMinor**

The number of resources of this type in the AWS account that need a minor template version update.

Type: Integer

Required: No

### **failed**

The number of resources of this type in the AWS account that failed to deploy.

Type: Integer

Required: No

### **upToDate**

The number of resources of this type in the AWS account that are up-to-date with their template.

Type: Integer

Required: No

## See Also

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

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

# ResourceSyncAttempt

Detail data for a resource sync attempt activated by a push to a repository.

## Contents

### events

An array of events with detail data.

Type: Array of [ResourceSyncEvent](#) objects

Required: Yes

### initialRevision

Detail data for the initial repository commit, path and push.

Type: [Revision](#) object

Required: Yes

### startedAt

The time when the sync attempt started.

Type: Timestamp

Required: Yes

### status

The status of the sync attempt.

Type: String

Valid Values: INITIATED | IN\_PROGRESS | SUCCEEDED | FAILED

Required: Yes

### target

The resource that is synced to.

Type: String



Required: Yes

## **targetRevision**

Detail data for the target revision.

Type: [Revision](#) object

Required: Yes

## **See Also**

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

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

# ResourceSyncEvent

Detail data for a resource sync event.

## Contents

### event

A resource sync event.

Type: String

Required: Yes

### time

The time when the event occurred.

Type: Timestamp

Required: Yes

### type

The type of event.

Type: String

Required: Yes

### externalId

The external ID for the event.

Type: String

Required: No

## See Also

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

- [AWS SDK for C++](#)

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

# Revision

Revision detail data for a commit and push that activates a sync attempt

## Contents

### branch

The repository branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: Yes

### directory

The repository directory changed by a commit and push that activated the sync attempt.

Type: String

Required: Yes

### repositoryName

The repository name.

Type: String

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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### repositoryProvider

The repository provider.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

## sha

The secure hash algorithm (SHA) hash for the revision.

Type: String

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

Required: Yes

## See Also

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

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

# S3ObjectSource

Template bundle S3 bucket data.

## Contents

### bucket

The name of the S3 bucket that contains a template bundle.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `^[a-z0-9]+[a-z0-9-\.\.]+[a-z0-9]+$`

Required: Yes

### key

The path to the S3 bucket that contains a template bundle.

Type: String

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

Required: Yes

## See Also

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

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

# Service

Detailed data of an AWS Proton service resource.

## Contents

### **arn**

The Amazon Resource Name (ARN) of the service.

Type: String

Required: Yes

### **createdAt**

The time when the service was created.

Type: Timestamp

Required: Yes

### **lastModifiedAt**

The time when the service was last modified.

Type: Timestamp

Required: Yes

### **name**

The name of the service.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

### **spec**

The formatted specification that defines the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: Yes

### **status**

The status of the service.

Type: String

Valid Values: CREATE\_IN\_PROGRESS | CREATE\_FAILED\_CLEANUP\_IN\_PROGRESS  
| CREATE\_FAILED\_CLEANUP\_COMPLETE | CREATE\_FAILED\_CLEANUP\_FAILED  
| CREATE\_FAILED | ACTIVE | DELETE\_IN\_PROGRESS | DELETE\_FAILED  
| UPDATE\_IN\_PROGRESS | UPDATE\_FAILED\_CLEANUP\_IN\_PROGRESS |  
UPDATE\_FAILED\_CLEANUP\_COMPLETE | UPDATE\_FAILED\_CLEANUP\_FAILED |  
UPDATE\_FAILED | UPDATE\_COMPLETE\_CLEANUP\_FAILED

Required: Yes

### **templateName**

The name of the service template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

### **branchName**

The name of the code repository branch that holds the code that's deployed in AWS Proton.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

### **description**

A description of the service.



Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

## pipeline

The service pipeline detail data.

Type: [ServicePipeline](#) object

Required: No

## repositoryConnectionArn

The Amazon Resource Name (ARN) of the repository connection. For more information, see [Setting up an AWS CodeStar connection](#) in the *AWS Proton User Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[a-zA-Z0-9-]+:[a-zA-Z0-9-]+$`

Required: No

## repositoryId

The ID of the source code repository.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

## statusMessage

A service status message.

Type: String

Required: No

## See Also

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

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

# ServiceInstance

Detailed data of an AWS Proton service instance resource.

## Contents

### arn

The Amazon Resource Name (ARN) of the service instance.

Type: String

Required: Yes

### createdAt

The time when the service instance was created.

Type: Timestamp

Required: Yes

### deploymentStatus

The service instance deployment status.

Type: String

Valid Values: IN\_PROGRESS | FAILED | SUCCEEDED | DELETE\_IN\_PROGRESS | DELETE\_FAILED | DELETE\_COMPLETE | CANCELLING | CANCELLED

Required: Yes

### environmentName

The name of the environment that the service instance was deployed into.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

**lastDeploymentAttemptedAt**

The time when a deployment of the service instance was last attempted.

Type: Timestamp

Required: Yes

**lastDeploymentSucceededAt**

The time when the service instance was last deployed successfully.

Type: Timestamp

Required: Yes

**name**

The name of the service instance.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\ ]*$`

Required: Yes

**serviceName**

The name of the service that the service instance belongs to.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\ ]*$`

Required: Yes

**templateMajorVersion**

The major version of the service template that was used to create the service instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### **templateMinorVersion**

The minor version of the service template that was used to create the service instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### **templateName**

The name of the service template that was used to create the service instance.

Type: String

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

Pattern:  $^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$$

Required: Yes

### **deploymentStatusMessage**

The message associated with the service instance deployment status.

Type: String

Required: No

### **lastAttemptedDeploymentId**

The ID of the last attempted deployment of this service instance.

Type: String

Pattern:  $^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$$

Required: No

## **lastClientRequestToken**

The last client request token received.

Type: String

Required: No

## **lastSucceededDeploymentId**

The ID of the last successful deployment of this service instance.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

## **spec**

The service spec that was used to create the service instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

## **See Also**

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

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

# ServiceInstanceState

The detailed data about the current state of this service instance.

## Contents

### **spec**

The service spec that was used to create the service instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: Yes

### **templateMajorVersion**

The major version of the service template that was used to create the service pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### **templateMinorVersion**

The minor version of the service template that was used to create the service pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### **templateName**

The name of the service template that was used to create the service instance.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

### **lastSuccessfulComponentDeploymentIds**

The IDs for the last successful components deployed for this service instance.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **lastSuccessfulEnvironmentDeploymentId**

The ID for the last successful environment deployed for this service instance.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **lastSuccessfulServicePipelineDeploymentId**

The ID for the last successful service pipeline deployed for this service instance.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

## **See Also**

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

- [AWS SDK for C++](#)



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

# ServiceInstanceSummary

Summary data of an AWS Proton service instance resource.

## Contents

### arn

The Amazon Resource Name (ARN) of the service instance.

Type: String

Required: Yes

### createdAt

The time when the service instance was created.

Type: Timestamp

Required: Yes

### deploymentStatus

The service instance deployment status.

Type: String

Valid Values: IN\_PROGRESS | FAILED | SUCCEEDED | DELETE\_IN\_PROGRESS | DELETE\_FAILED | DELETE\_COMPLETE | CANCELLING | CANCELLED

Required: Yes

### environmentName

The name of the environment that the service instance was deployed into.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

**lastDeploymentAttemptedAt**

The time when a deployment of the service was last attempted.

Type: Timestamp

Required: Yes

**lastDeploymentSucceededAt**

The time when the service was last deployed successfully.

Type: Timestamp

Required: Yes

**name**

The name of the service instance.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\ ]*$`

Required: Yes

**serviceName**

The name of the service that the service instance belongs to.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\ ]*$`

Required: Yes

**templateMajorVersion**

The service instance template major version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### **templateMinorVersion**

The service instance template minor version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### **templateName**

The name of the service template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

### **deploymentStatusMessage**

A service instance deployment status message.

Type: String

Required: No

### **lastAttemptedDeploymentId**

The ID of the last attempted deployment of this service instance.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

## lastSucceededDeploymentId

The ID of the last successful deployment of this service instance.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

## See Also

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

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

# ServicePipeline

Detailed data of an AWS Proton service instance pipeline resource.

## Contents

### arn

The Amazon Resource Name (ARN) of the service pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:([\w+=,.\@-]+[/:])*[\w+=,.\@-]+$`

Required: Yes

### createdAt

The time when the service pipeline was created.

Type: Timestamp

Required: Yes

### deploymentStatus

The deployment status of the service pipeline.

Type: String

Valid Values: IN\_PROGRESS | FAILED | SUCCEEDED | DELETE\_IN\_PROGRESS | DELETE\_FAILED | DELETE\_COMPLETE | CANCELLING | CANCELLED

Required: Yes

### lastDeploymentAttemptedAt

The time when a deployment of the service pipeline was last attempted.

Type: Timestamp

Required: Yes

**lastDeploymentSucceededAt**

The time when the service pipeline was last deployed successfully.

Type: Timestamp

Required: Yes

**templateMajorVersion**

The major version of the service template that was used to create the service pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

**templateMinorVersion**

The minor version of the service template that was used to create the service pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

**templateName**

The name of the service template that was used to create the service pipeline.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\ ]*$`

Required: Yes

**deploymentStatusMessage**

A service pipeline deployment status message.

Type: String

Required: No

### **lastAttemptedDeploymentId**

The ID of the last attempted deployment of this service pipeline.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **lastSucceededDeploymentId**

The ID of the last successful deployment of this service pipeline.

Type: String

Pattern: `^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}$`

Required: No

### **spec**

The service spec that was used to create the service pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

## **See Also**

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

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



# ServicePipelineState

The detailed data about the current state of the service pipeline.

## Contents

### **templateMajorVersion**

The major version of the service template that was used to create the service pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### **templateMinorVersion**

The minor version of the service template that was used to create the service pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### **templateName**

The name of the service template that was used to create the service pipeline.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\ ]*$`

Required: Yes

### **spec**

The service spec that was used to create the service pipeline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

## See Also

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

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

# ServiceSummary

Summary data of an AWS Proton service resource.

## Contents

### arn

The Amazon Resource Name (ARN) of the service.

Type: String

Required: Yes

### createdAt

The time when the service was created.

Type: Timestamp

Required: Yes

### lastModifiedAt

The time when the service was last modified.

Type: Timestamp

Required: Yes

### name

The name of the service.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$`

Required: Yes

### status

The status of the service.

Type: String

Valid Values: CREATE\_IN\_PROGRESS | CREATE\_FAILED\_CLEANUP\_IN\_PROGRESS  
| CREATE\_FAILED\_CLEANUP\_COMPLETE | CREATE\_FAILED\_CLEANUP\_FAILED  
| CREATE\_FAILED | ACTIVE | DELETE\_IN\_PROGRESS | DELETE\_FAILED  
| UPDATE\_IN\_PROGRESS | UPDATE\_FAILED\_CLEANUP\_IN\_PROGRESS |  
UPDATE\_FAILED\_CLEANUP\_COMPLETE | UPDATE\_FAILED\_CLEANUP\_FAILED |  
UPDATE\_FAILED | UPDATE\_COMPLETE\_CLEANUP\_FAILED

Required: Yes

### **templateName**

The name of the service template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

### **description**

A description of the service.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **statusMessage**

A service status message.

Type: String

Required: No

## **See Also**

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

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

# ServiceSyncBlockerSummary

If a service instance is manually updated, Proton wants to prevent accidentally overriding a manual change.

A blocker is created because of the manual update or deletion of a service instance. The summary describes the blocker as being active or resolved.

## Contents

### **serviceName**

The name of the service that you want to get the sync blocker summary for. If given a service instance name and a service name, it will return the blockers only applying to the instance that is blocked.

If given only a service name, it will return the blockers that apply to all of the instances. In order to get the blockers for a single instance, you will need to make two distinct calls, one to get the sync blocker summary for the service and the other to get the sync blocker for the service instance.

Type: String

Required: Yes

### **latestBlockers**

The latest active blockers for the synced service.

Type: Array of [SyncBlocker](#) objects

Required: No

### **serviceInstanceName**

The name of the service instance that you want sync your service configuration with.

Type: String

Required: No

## See Also

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

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

# ServiceSyncConfig

Detailed data of the service sync configuration.

## Contents

### branch

The name of the code repository branch that holds the service code AWS Proton will sync with.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: Yes

### filePath

The file path to the service sync configuration file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

### repositoryName

The name of the code repository that holds the service code AWS Proton will sync with.

Type: String

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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### repositoryProvider

The name of the repository provider that holds the repository AWS Proton will sync with.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET



Required: Yes

### **serviceName**

The name of the service that the service instance is added to.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

## **See Also**

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

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

# ServiceTemplate

Detailed data of an AWS Proton service template resource.

## Contents

### **arn**

The Amazon Resource Name (ARN) of the service template.

Type: String

Required: Yes

### **createdAt**

The time when the service template was created.

Type: Timestamp

Required: Yes

### **lastModifiedAt**

The time when the service template was last modified.

Type: Timestamp

Required: Yes

### **name**

The name of the service template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

### **description**

A description of the service template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **displayName**

The service template name as displayed in the developer interface.

Type: String

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

Required: No

### **encryptionKey**

The customer provided service template encryption key that's used to encrypt data.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Pattern: `^arn:(aws|aws-cn|aws-us-gov):[a-zA-Z0-9-]+:[a-zA-Z0-9-]*:\d{12}:[a-zA-Z0-9-]+[\w+=, .@-]+[/:])*[\w+=, .@-]+$`

Required: No

### **pipelineProvisioning**

If `pipelineProvisioning` is `true`, a service pipeline is included in the service template. Otherwise, a service pipeline *isn't* included in the service template.

Type: String

Valid Values: CUSTOMER\_MANAGED

Required: No

### **recommendedVersion**

The recommended version of the service template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10.

Pattern: `^(0|([1-9]{1}\d*)).(0|([1-9]{1}\d*))$`

Required: No

## See Also

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

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

# ServiceTemplateSummary

Summary data of an AWS Proton service template resource.

## Contents

### **arn**

The Amazon Resource Name (ARN) of the service template.

Type: String

Required: Yes

### **createdAt**

The time when the service template was created.

Type: Timestamp

Required: Yes

### **lastModifiedAt**

The time when the service template was last modified.

Type: Timestamp

Required: Yes

### **name**

The name of the service template.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-\]*$`

Required: Yes

### **description**

A description of the service template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **displayName**

The service template name as displayed in the developer interface.

Type: String

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

Required: No

### **pipelineProvisioning**

If `pipelineProvisioning` is `true`, a service pipeline is included in the service template, otherwise a service pipeline *isn't* included in the service template.

Type: String

Valid Values: CUSTOMER\_MANAGED

Required: No

### **recommendedVersion**

The recommended version of the service template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10.

Pattern: `^(0|([1-9]{1}\d*)).(0|([1-9]{1}\d*))$`

Required: No

## **See Also**

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

- [AWS SDK for C++](#)

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

# ServiceTemplateVersion

Detailed data of an AWS Proton service template version resource.

## Contents

### arn

The Amazon Resource Name (ARN) of the version of a service template.

Type: String

Required: Yes

### compatibleEnvironmentTemplates

An array of compatible environment template names for the major version of a service template.

Type: Array of [CompatibleEnvironmentTemplate](#) objects

Required: Yes

### createdAt

The time when the version of a service template was created.

Type: Timestamp

Required: Yes

### lastModifiedAt

The time when the version of a service template was last modified.

Type: Timestamp

Required: Yes

### majorVersion

The latest major version that's associated with the version of a service template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.



Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### **minorVersion**

The minor version of a service template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: Yes

### **status**

The service template version status.

Type: String

Valid Values: REGISTRATION\_IN\_PROGRESS | REGISTRATION\_FAILED | DRAFT | PUBLISHED

Required: Yes

### **templateName**

The name of the version of a service template.

Type: String

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

Pattern:  $^[0-9A-Za-z]+[0-9A-Za-z_\-\-]*$$

Required: Yes

### **description**

A description of the version of a service template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **recommendedMinorVersion**

The recommended minor version of the service template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^(0|([1-9]{1}\d*))$$

Required: No

### **schema**

The schema of the version of a service template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 51200.

Required: No

### **statusMessage**

A service template version status message.

Type: String

Required: No

### **supportedComponentSources**

An array of supported component sources. Components with supported sources can be attached to service instances based on this service template version.

For more information about components, see [AWS Proton components](#) in the *AWS Proton User Guide*.

Type: Array of strings

Valid Values: DIRECTLY\_DEFINED

Required: No

## See Also

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

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

# ServiceTemplateVersionSummary

Summary data of an AWS Proton service template version resource.

## Contents

### **arn**

The Amazon Resource Name (ARN) of the version of a service template.

Type: String

Required: Yes

### **createdAt**

The time when the version of a service template was created.

Type: Timestamp

Required: Yes

### **lastModifiedAt**

The time when the version of a service template was last modified.

Type: Timestamp

Required: Yes

### **majorVersion**

The latest major version that's associated with the version of a service template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: Yes

### **minorVersion**

The minor version of a service template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern:  $^{(0|([1-9]{1}\d*))}$

Required: Yes

### **status**

The service template minor version status.

Type: String

Valid Values: REGISTRATION\_IN\_PROGRESS | REGISTRATION\_FAILED | DRAFT | PUBLISHED

Required: Yes

### **templateName**

The name of the service template.

Type: String

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

Pattern:  $^{[0-9A-Za-z]+[0-9A-Za-z_\-\ ]*}$

Required: Yes

### **description**

A description of the version of a service template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

### **recommendedMinorVersion**

The recommended minor version of the service template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `^(0|([1-9]{1}\d*))$`

Required: No

### **statusMessage**

A service template minor version status message.

Type: String

Required: No

## **See Also**

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

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

# SyncBlocker

Detailed data of the sync blocker.

## Contents

### **createdAt**

The time when the sync blocker was created.

Type: Timestamp

Required: Yes

### **createdReason**

The reason why the sync blocker was created.

Type: String

Required: Yes

### **id**

The ID of the sync blocker.

Type: String

Required: Yes

### **status**

The status of the sync blocker.

Type: String

Valid Values: ACTIVE | RESOLVED

Required: Yes

### **type**

The type of the sync blocker.

Type: String

Valid Values: AUTOMATED

Required: Yes

### **contexts**

The contexts for the sync blocker.

Type: Array of [SyncBlockerContext](#) objects

Required: No

### **resolvedAt**

The time the sync blocker was resolved.

Type: Timestamp

Required: No

### **resolvedReason**

The reason the sync blocker was resolved.

Type: String

Required: No

## **See Also**

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

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



# SyncBlockerContext

Detailed data of the context of the sync blocker.

## Contents

### key

The key for the sync blocker context.

Type: String

Required: Yes

### value

The value of the sync blocker context.

Type: String

Required: Yes

## See Also

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

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

# Tag

A description of a resource tag.

## Contents

### key

The key of the resource tag.

Type: String

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

Required: Yes

### value

The value of the resource tag.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: Yes

## See Also

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

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

# TemplateSyncConfig

The detail data for a template sync configuration.

## Contents

### branch

The repository branch.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: Yes

### repositoryName

The repository name (for example, myrepos/myrepo).

Type: String

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

Pattern: `[A-Za-z0-9_.-].*/[A-Za-z0-9_.-].*`

Required: Yes

### repositoryProvider

The repository provider.

Type: String

Valid Values: GITHUB | GITHUB\_ENTERPRISE | BITBUCKET

Required: Yes

### templateName

The template name.

Type: String

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

Pattern: `^[0-9A-Za-z]+[0-9A-Za-z_\-]*$`

Required: Yes

### **templateType**

The template type.

Type: String

Valid Values: ENVIRONMENT | SERVICE

Required: Yes

### **subdirectory**

A subdirectory path to your template bundle version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

## **See Also**

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

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

# TemplateVersionSourceInput

Template version source data.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### s3

An S3 source object that includes the template bundle S3 path and name for a template minor version.

Type: [S3ObjectSource](#) object

Required: No

## See Also

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

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

# Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

## Action

The action to be performed.

Type: string

Required: Yes

## Version

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

Type: string

Required: Yes

## X-Amz-Algorithm

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

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

## X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4\_request"). The value is expressed in the following format: *access\_key/YYYYMMDD/region/service/aws4\_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

### **X-Amz-Date**

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

### **X-Amz-Security-Token**

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

### **X-Amz-Signature**

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

### **X-Amz-SignedHeaders**

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional



# Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

## **IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 400

## **InternalFailure**

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

HTTP Status Code: 500

## **InvalidAction**

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

HTTP Status Code: 400

## **InvalidClientTokenId**

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

HTTP Status Code: 403

## **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