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# AWS Proton

## Welcome

### API Version 2020-07-20



## **AWS Proton: Welcome**

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# Table of Contents

Welcome .....	1
Actions .....	4
AcceptEnvironmentAccountConnection .....	6
Request Syntax .....	6
Request Parameters .....	6
Response Syntax .....	6
Response Elements .....	6
Errors .....	7
See Also .....	7
CancelEnvironmentDeployment .....	8
Request Syntax .....	8
Request Parameters .....	8
Response Syntax .....	8
Response Elements .....	9
Errors .....	9
See Also .....	9
CancelServiceInstanceDeployment .....	11
Request Syntax .....	11
Request Parameters .....	11
Response Syntax .....	11
Response Elements .....	12
Errors .....	12
See Also .....	13
CancelServicePipelineDeployment .....	14
Request Syntax .....	14
Request Parameters .....	14
Response Syntax .....	14
Response Elements .....	15
Errors .....	15
See Also .....	15
CreateEnvironment .....	17
Request Syntax .....	17
Request Parameters .....	17
Response Syntax .....	19
Response Elements .....	19
Errors .....	19
See Also .....	20
CreateEnvironmentAccountConnection .....	21
Request Syntax .....	21
Request Parameters .....	21
Response Syntax .....	22
Response Elements .....	22
Errors .....	22
See Also .....	23
CreateEnvironmentTemplate .....	24
Request Syntax .....	24
Request Parameters .....	24
Response Syntax .....	25
Response Elements .....	26
Errors .....	26
See Also .....	26
CreateEnvironmentTemplateVersion .....	28
Request Syntax .....	28
Request Parameters .....	28

Response Syntax .....	29
Response Elements .....	29
Errors .....	30
See Also .....	30
CreateService .....	32
Request Syntax .....	32
Request Parameters .....	32
Response Syntax .....	34
Response Elements .....	34
Errors .....	35
See Also .....	35
CreateServiceTemplate .....	37
Request Syntax .....	37
Request Parameters .....	37
Response Syntax .....	38
Response Elements .....	38
Errors .....	39
See Also .....	39
CreateServiceTemplateVersion .....	41
Request Syntax .....	41
Request Parameters .....	41
Response Syntax .....	42
Response Elements .....	43
Errors .....	43
See Also .....	44
DeleteEnvironment .....	45
Request Syntax .....	45
Request Parameters .....	45
Response Syntax .....	45
Response Elements .....	45
Errors .....	46
See Also .....	46
DeleteEnvironmentAccountConnection .....	48
Request Syntax .....	48
Request Parameters .....	48
Response Syntax .....	48
Response Elements .....	48
Errors .....	49
See Also .....	49
DeleteEnvironmentTemplate .....	51
Request Syntax .....	51
Request Parameters .....	51
Response Syntax .....	51
Response Elements .....	51
Errors .....	52
See Also .....	52
DeleteEnvironmentTemplateVersion .....	53
Request Syntax .....	53
Request Parameters .....	53
Response Syntax .....	54
Response Elements .....	54
Errors .....	54
See Also .....	55
DeleteService .....	56
Request Syntax .....	56
Request Parameters .....	56
Response Syntax .....	56

Response Elements .....	57
Errors .....	57
See Also .....	57
DeleteServiceTemplate .....	59
Request Syntax .....	59
Request Parameters .....	59
Response Syntax .....	59
Response Elements .....	59
Errors .....	60
See Also .....	60
DeleteServiceTemplateVersion .....	61
Request Syntax .....	61
Request Parameters .....	61
Response Syntax .....	62
Response Elements .....	62
Errors .....	62
See Also .....	63
GetAccountSettings .....	64
Response Syntax .....	64
Response Elements .....	64
Errors .....	64
See Also .....	65
GetEnvironment .....	66
Request Syntax .....	66
Request Parameters .....	66
Response Syntax .....	66
Response Elements .....	66
Errors .....	67
See Also .....	67
GetEnvironmentAccountConnection .....	68
Request Syntax .....	68
Request Parameters .....	68
Response Syntax .....	68
Response Elements .....	68
Errors .....	69
See Also .....	69
GetEnvironmentTemplate .....	70
Request Syntax .....	70
Request Parameters .....	70
Response Syntax .....	70
Response Elements .....	70
Errors .....	71
See Also .....	71
GetEnvironmentTemplateVersion .....	72
Request Syntax .....	72
Request Parameters .....	72
Response Syntax .....	72
Response Elements .....	73
Errors .....	73
See Also .....	74
GetService .....	75
Request Syntax .....	75
Request Parameters .....	75
Response Syntax .....	75
Response Elements .....	76
Errors .....	76
See Also .....	76

GetServiceInstance .....	78
Request Syntax .....	78
Request Parameters .....	78
Response Syntax .....	78
Response Elements .....	79
Errors .....	79
See Also .....	79
GetServiceTemplate .....	81
Request Syntax .....	81
Request Parameters .....	81
Response Syntax .....	81
Response Elements .....	81
Errors .....	82
See Also .....	82
GetServiceTemplateVersion .....	83
Request Syntax .....	83
Request Parameters .....	83
Response Syntax .....	83
Response Elements .....	84
Errors .....	84
See Also .....	85
ListEnvironmentAccountConnections .....	86
Request Syntax .....	86
Request Parameters .....	86
Response Syntax .....	87
Response Elements .....	87
Errors .....	87
See Also .....	88
ListEnvironments .....	89
Request Syntax .....	89
Request Parameters .....	89
Response Syntax .....	89
Response Elements .....	90
Errors .....	90
See Also .....	91
ListEnvironmentTemplates .....	92
Request Syntax .....	92
Request Parameters .....	92
Response Syntax .....	92
Response Elements .....	93
Errors .....	93
See Also .....	93
ListEnvironmentTemplateVersions .....	95
Request Syntax .....	95
Request Parameters .....	95
Response Syntax .....	96
Response Elements .....	96
Errors .....	96
See Also .....	97
ListServiceInstances .....	98
Request Syntax .....	98
Request Parameters .....	98
Response Syntax .....	98
Response Elements .....	99
Errors .....	99
See Also .....	100
ListServices .....	101

Request Syntax .....	101
Request Parameters .....	101
Response Syntax .....	101
Response Elements .....	102
Errors .....	102
See Also .....	102
ListServiceTemplates .....	104
Request Syntax .....	104
Request Parameters .....	104
Response Syntax .....	104
Response Elements .....	105
Errors .....	105
See Also .....	105
ListServiceTemplateVersions .....	107
Request Syntax .....	107
Request Parameters .....	107
Response Syntax .....	108
Response Elements .....	108
Errors .....	108
See Also .....	109
ListTagsForResource .....	110
Request Syntax .....	110
Request Parameters .....	110
Response Syntax .....	110
Response Elements .....	111
Errors .....	111
See Also .....	111
RejectEnvironmentAccountConnection .....	113
Request Syntax .....	113
Request Parameters .....	113
Response Syntax .....	113
Response Elements .....	113
Errors .....	114
See Also .....	114
TagResource .....	116
Request Syntax .....	116
Request Parameters .....	116
Response Elements .....	116
Errors .....	116
See Also .....	117
UntagResource .....	118
Request Syntax .....	118
Request Parameters .....	118
Response Elements .....	118
Errors .....	118
See Also .....	119
UpdateAccountSettings .....	120
Request Syntax .....	120
Request Parameters .....	120
Response Syntax .....	120
Response Elements .....	120
Errors .....	120
See Also .....	121
UpdateEnvironment .....	122
Request Syntax .....	122
Request Parameters .....	123
Response Syntax .....	124

Response Elements .....	125
Errors .....	125
See Also .....	126
UpdateEnvironmentAccountConnection .....	127
Request Syntax .....	127
Request Parameters .....	127
Response Syntax .....	127
Response Elements .....	128
Errors .....	128
See Also .....	128
UpdateEnvironmentTemplate .....	130
Request Syntax .....	130
Request Parameters .....	130
Response Syntax .....	130
Response Elements .....	131
Errors .....	131
See Also .....	132
UpdateEnvironmentTemplateVersion .....	133
Request Syntax .....	133
Request Parameters .....	133
Response Syntax .....	134
Response Elements .....	134
Errors .....	134
See Also .....	135
UpdateService .....	136
Request Syntax .....	136
Request Parameters .....	136
Response Syntax .....	137
Response Elements .....	137
Errors .....	137
See Also .....	138
UpdateServiceInstance .....	139
Request Syntax .....	139
Request Parameters .....	139
Response Syntax .....	141
Response Elements .....	141
Errors .....	141
See Also .....	142
UpdateServicePipeline .....	143
Request Syntax .....	143
Request Parameters .....	143
Response Syntax .....	145
Response Elements .....	145
Errors .....	145
See Also .....	146
UpdateServiceTemplate .....	147
Request Syntax .....	147
Request Parameters .....	147
Response Syntax .....	147
Response Elements .....	148
Errors .....	148
See Also .....	149
UpdateServiceTemplateVersion .....	150
Request Syntax .....	150
Request Parameters .....	150
Response Syntax .....	151
Response Elements .....	151



Errors .....	152
See Also .....	152
Data Types .....	153
AccountSettings .....	154
Contents .....	154
See Also .....	154
CompatibleEnvironmentTemplate .....	155
Contents .....	155
See Also .....	155
CompatibleEnvironmentTemplateInput .....	156
Contents .....	156
See Also .....	156
Environment .....	157
Contents .....	157
See Also .....	159
EnvironmentAccountConnection .....	160
Contents .....	160
See Also .....	161
EnvironmentAccountConnectionSummary .....	162
Contents .....	162
See Also .....	163
EnvironmentSummary .....	164
Contents .....	164
See Also .....	166
EnvironmentTemplate .....	167
Contents .....	167
See Also .....	168
EnvironmentTemplateFilter .....	169
Contents .....	169
See Also .....	169
EnvironmentTemplateSummary .....	170
Contents .....	170
See Also .....	171
EnvironmentTemplateVersion .....	172
Contents .....	172
See Also .....	173
EnvironmentTemplateVersionSummary .....	175
Contents .....	175
See Also .....	176
S3ObjectSource .....	177
Contents .....	177
See Also .....	177
Service .....	178
Contents .....	178
See Also .....	180
ServiceInstance .....	181
Contents .....	181
See Also .....	183
ServiceInstanceSummary .....	184
Contents .....	184
See Also .....	186
ServicePipeline .....	187
Contents .....	187
See Also .....	188
ServiceSummary .....	189
Contents .....	189
See Also .....	190

ServiceTemplate .....	191
Contents .....	191
See Also .....	192
ServiceTemplateSummary .....	193
Contents .....	193
See Also .....	194
ServiceTemplateVersion .....	195
Contents .....	195
See Also .....	196
ServiceTemplateVersionSummary .....	198
Contents .....	198
See Also .....	199
Tag .....	200
Contents .....	200
See Also .....	200
TemplateVersionSourceInput .....	201
Contents .....	201
See Also .....	201
Common Parameters .....	202
Common Errors .....	204

# 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 administration, see the [AWS Proton Administrator Guide](#).

To learn more about deploying serverless and containerized applications on 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 October 6, 2021.

# Actions

The following actions are supported:

- [AcceptEnvironmentAccountConnection](#) (p. 6)
- [CancelEnvironmentDeployment](#) (p. 8)
- [CancelServiceInstanceDeployment](#) (p. 11)
- [CancelServicePipelineDeployment](#) (p. 14)
- [CreateEnvironment](#) (p. 17)
- [CreateEnvironmentAccountConnection](#) (p. 21)
- [CreateEnvironmentTemplate](#) (p. 24)
- [CreateEnvironmentTemplateVersion](#) (p. 28)
- [CreateService](#) (p. 32)
- [CreateServiceTemplate](#) (p. 37)
- [CreateServiceTemplateVersion](#) (p. 41)
- [DeleteEnvironment](#) (p. 45)
- [DeleteEnvironmentAccountConnection](#) (p. 48)
- [DeleteEnvironmentTemplate](#) (p. 51)
- [DeleteEnvironmentTemplateVersion](#) (p. 53)
- [DeleteService](#) (p. 56)
- [DeleteServiceTemplate](#) (p. 59)
- [DeleteServiceTemplateVersion](#) (p. 61)
- [GetAccountSettings](#) (p. 64)
- [GetEnvironment](#) (p. 66)
- [GetEnvironmentAccountConnection](#) (p. 68)
- [GetEnvironmentTemplate](#) (p. 70)
- [GetEnvironmentTemplateVersion](#) (p. 72)
- [GetService](#) (p. 75)
- [GetServiceInstance](#) (p. 78)
- [GetServiceTemplate](#) (p. 81)
- [GetServiceTemplateVersion](#) (p. 83)
- [ListEnvironmentAccountConnections](#) (p. 86)
- [ListEnvironments](#) (p. 89)
- [ListEnvironmentTemplates](#) (p. 92)
- [ListEnvironmentTemplateVersions](#) (p. 95)
- [ListServiceInstances](#) (p. 98)
- [ListServices](#) (p. 101)
- [ListServiceTemplates](#) (p. 104)
- [ListServiceTemplateVersions](#) (p. 107)
- [ListTagsForResource](#) (p. 110)
- [RejectEnvironmentAccountConnection](#) (p. 113)
- [TagResource](#) (p. 116)
- [UntagResource](#) (p. 118)
- [UpdateAccountSettings](#) (p. 120)

- [UpdateEnvironment](#) (p. 122)
- [UpdateEnvironmentAccountConnection](#) (p. 127)
- [UpdateEnvironmentTemplate](#) (p. 130)
- [UpdateEnvironmentTemplateVersion](#) (p. 133)
- [UpdateService](#) (p. 136)
- [UpdateServiceInstance](#) (p. 139)
- [UpdateServicePipeline](#) (p. 143)
- [UpdateServiceTemplate](#) (p. 147)
- [UpdateServiceTemplateVersion](#) (p. 150)

# 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 Administrator guide*.

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 202\)](#).

The request accepts the following data in JSON format.

### **id** (p. 6)

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",  
    "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** (p. 6)

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



Type: [EnvironmentAccountConnection](#) (p. 160) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

# CancelEnvironmentDeployment

Attempts to cancel an environment deployment on an [UpdateEnvironment \(p. 122\)](#) action, if the deployment is `IN_PROGRESS`. For more information, see [Update an environment](#) in the *AWS Proton Administrator 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 \(p. 122\)](#) 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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### **environmentName** (p. 8)

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",  
    "createdAt": number,  
    "deploymentStatus": "string",  
    "deploymentStatusMessage": "string",  
    "description": "string",  
    "environmentAccountConnectionId": "string",  
    "environmentAccountId": "string",  
    "lastDeploymentAttemptedAt": number,  
    "lastDeploymentSucceededAt": number,  
    "name": "string",  
    "protonServiceRoleArn": "string",  
    "provisioning": "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** (p. 8)

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

Type: [Environment](#) (p. 157) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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](#) (p. 139) action, if the deployment is `IN_PROGRESS`. For more information, see *Update a service instance* in the [AWS Proton Administrator guide](#) or 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](#) (p. 139) 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](#) (p. 202).

The request accepts the following data in JSON format.

### [serviceInstanceName](#) (p. 11)

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](#) (p. 11)

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",  
  "lastDeploymentAttemptedAt": number,  
  "lastDeploymentSucceededAt": number,  
  "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** (p. 11)

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

Type: [ServiceInstance](#) (p. 181) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 \(p. 143\)](#) action, if the deployment is `IN_PROGRESS`. For more information, see *Update a service pipeline* in the [AWS Proton Administrator guide](#) or 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 \(p. 143\)](#) 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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### **serviceName (p. 14)**

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",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "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** (p. 14)

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

Type: [ServicePipeline](#) (p. 187) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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. For more information, see the [Environments](#) in the *AWS Proton Administrator Guide*.

## Request Syntax

```
{
  "description": "string",
  "environmentAccountConnectionId": "string",
  "name": "string",
  "protonServiceRoleArn": "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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### **description** (p. 17)

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

### **environmentAccountConnectionId** (p. 17)

The ID of the environment account connection that you provide if you're provisioning your environment infrastructure resources to an environment account. You must include either the `environmentAccountConnectionId` or `protonServiceRoleArn` parameter and value. For more information, see [Environment account connections](#) in the *AWS Proton Administrator guide*.

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** (p. 17)

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 (p. 17)**

The Amazon Resource Name (ARN) of the AWS Proton service role that allows AWS Proton to make calls to other services on your behalf. You must include either the `environmentAccountConnectionId` or `protonServiceRoleArn` parameter and value.

Type: String

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

Required: No

**spec (p. 17)**

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

Type: String

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

Required: Yes

**tags (p. 17)**

Create tags for your environment. For more information, see *AWS Proton resources and tagging* in the [AWS Proton Administrator Guide](#) or [AWS Proton User Guide](#).

Type: Array of [Tag \(p. 200\)](#) objects

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

Required: No

**templateMajorVersion (p. 17)**

The ID of 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 (p. 17)**

The ID of 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 (p. 17)

The name of the environment template. For more information, see [Environment Templates](#) in the *AWS Proton Administrator 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",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "description": "string",
    "environmentAccountConnectionId": "string",
    "environmentAccountId": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "name": "string",
    "protonServiceRoleArn": "string",
    "provisioning": "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 (p. 19)

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

Type: [Environment](#) (p. 157) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### 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 Administrator 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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 Administrator guide*.

## Request Syntax

```
{  
  "clientToken": "string",  
  "environmentName": "string",  
  "managementAccountId": "string",  
  "roleArn": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 202).

The request accepts the following data in JSON format.

### [clientToken](#) (p. 21)

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

### [environmentName](#) (p. 21)

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](#) (p. 21)

The ID of the management account that accepts or rejects the environment account connection. You create an 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** (p. 21)

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 200.

Required: Yes

## Response Syntax

```
{
  "environmentAccountConnection": {
    "arn": "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** (p. 22)

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

Type: [EnvironmentAccountConnection](#) (p. 160) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

#### **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 Administrator 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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 Administrator 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 Administrator 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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### **description** (p. 24)

A description of the environment template.

Type: String

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

Required: No

### **displayName** (p. 24)

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** (p. 24)

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

Type: String

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

Required: No

**name** (p. 24)

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** (p. 24)

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

Type: String

Valid Values: `CUSTOMER_MANAGED`

Required: No

**tags** (p. 24)

Create tags for your environment template. For more information, see *AWS Proton resources and tagging* in the [AWS Proton Administrator Guide](#) or [AWS Proton User Guide](#).

Type: Array of [Tag](#) (p. 200) 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** (p. 25)

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

Type: [EnvironmentTemplate](#) (p. 167) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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 Administrator 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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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": {
    "s3": {
      "bucket": "string",
      "key": "string"
    }
  },
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "templateName": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 202\)](#).

The request accepts the following data in JSON format.

### **clientToken** (p. 28)

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** (p. 28)

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** (p. 28)

To create a new minor version of the environment template, include a `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 (p. 28)**

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

Type: [TemplateVersionSourceInput \(p. 201\)](#) object

Required: Yes

#### **tags (p. 28)**

Create tags for a new version of an environment template.

Type: Array of [Tag \(p. 200\)](#) objects

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

Required: No

#### **templateName (p. 28)**

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](#) (p. 29)**

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

Type: [EnvironmentTemplateVersion](#) (p. 172) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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 Administrator 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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 Administrator Guide* and [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](#) (p. 202).

The request accepts the following data in JSON format.

### **branchName** (p. 32)

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** (p. 32)

A description of the AWS Proton service.

Type: String

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

Required: No

### **name** (p. 32)

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 (p. 32)**

The Amazon Resource Name (ARN) of the repository connection. For more information, see [Set up repository connection](#) in the *AWS Proton Administrator Guide* and [Setting up with AWS Proton](#) 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.

Required: No

**repositoryId (p. 32)**

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 (p. 32)**

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 Administrator Guide* and [Create a service](#) in the *AWS Proton User Guide*.

Type: String

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

Required: Yes

**tags (p. 32)**

Create tags for your service. For more information, see *AWS Proton resources and tagging* in the [AWS Proton Administrator Guide](#) or [AWS Proton User Guide](#).

Type: Array of [Tag \(p. 200\)](#) objects

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

Required: No

**templateMajorVersion (p. 32)**

The ID of 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** (p. 32)

The ID of 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** (p. 32)

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",
      "lastDeploymentAttemptedAt": number,
      "lastDeploymentSucceededAt": number,
      "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](#) (p. 34)

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

Type: [Service](#) (p. 178) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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 Administrator 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](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 [Service Templates](#) in the *AWS Proton Administrator 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](#) (p. 202).

The request accepts the following data in JSON format.

### **description** (p. 37)

A description of the service template.

Type: String

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

Required: No

### **displayName** (p. 37)

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** (p. 37)

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

Type: String

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

Required: No

**name** (p. 37)

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** (p. 37)

AWS Proton includes a service pipeline for your service by default. When included, this parameter indicates that an AWS Proton service pipeline *won't* be included for your service. Once specified, this parameter *can't* be changed. For more information, see [Service template bundles](#) in the *AWS Proton Administrator Guide*.

Type: String

Valid Values: `CUSTOMER_MANAGED`

Required: No

**tags** (p. 37)

Create tags for your service template. For more information, see *AWS Proton resources and tagging* in the [AWS Proton Administrator Guide](#) or [AWS Proton User Guide](#).

Type: Array of [Tag](#) (p. 200) 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](#) (p. 38)

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

Type: [ServiceTemplate](#) (p. 191) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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 Administrator 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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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* backwards compatible. A minor version of a service template is a version that's backwards compatible within its major version.

## Request Syntax

```
{
  "clientToken": "string",
  "compatibleEnvironmentTemplates": [
    {
      "majorVersion": "string",
      "templateName": "string"
    }
  ],
  "description": "string",
  "majorVersion": "string",
  "source": {
    "s3": {
      "bucket": "string",
      "key": "string"
    }
  },
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "templateName": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 202).

The request accepts the following data in JSON format.

### **clientToken** (p. 41)

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** (p. 41)

An array of compatible environment template objects for the new version of a service template.

Type: Array of [CompatibleEnvironmentTemplateInput](#) (p. 156) objects

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

Required: Yes

**description (p. 41)**

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 (p. 41)**

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 (p. 41)**

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

Type: [TemplateVersionSourceInput \(p. 201\)](#) object

Required: Yes

**tags (p. 41)**

Create tags for a new version of a service template.

Type: Array of [Tag \(p. 200\)](#) objects

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

Required: No

**templateName (p. 41)**

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",
  "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** (p. 42)

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

Type: [ServiceTemplateVersion](#) (p. 195) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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 Administrator 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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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](#) (p. 202).

The request accepts the following data in JSON format.

### name (p. 45)

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",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "description": "string",
    "environmentAccountConnectionId": "string",
    "environmentAccountId": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "name": "string",
    "protonServiceRoleArn": "string",
    "provisioning": "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** (p. 45)

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

Type: [Environment](#) (p. 157) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 Administrator guide*.

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 202).

The request accepts the following data in JSON format.

### id (p. 48)

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",
    "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](#) (p. 48)

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

Type: [EnvironmentAccountConnection](#) (p. 160) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### name (p. 51)

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 (p. 51)

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

Type: [EnvironmentTemplate](#) (p. 167) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 backwards 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 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](#) (p. 202).

The request accepts the following data in JSON format.

### majorVersion (p. 53)

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 (p. 53)

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 (p. 53)

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** (p. 54)

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

Type: [EnvironmentTemplateVersion](#) (p. 172) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

# DeleteService

Delete a service.

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 202).

The request accepts the following data in JSON format.

### name (p. 56)

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",  
      "lastDeploymentAttemptedAt": number,  
      "lastDeploymentSucceededAt": number,  
      "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](#) (p. 56)

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

Type: [Service](#) (p. 178) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### name (p. 59)

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 (p. 59)

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

Type: [ServiceTemplate](#) (p. 191) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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](#) (p. 202).

The request accepts the following data in JSON format.

### **majorVersion** (p. 61)

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** (p. 61)

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** (p. 61)

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",
    "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** (p. 62)

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

Type: [ServiceTemplateVersion](#) (p. 195) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

# GetAccountSettings

Get detail data for the AWS Proton pipeline service role.

## Response Syntax

```
{
  "accountSettings": {
    "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** (p. 64)

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

Type: [AccountSettings](#) (p. 154) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

# GetEnvironment

Get detail data for an environment.

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 202).

The request accepts the following data in JSON format.

### name (p. 66)

The name of the environment that you want to get the detail 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",  
    "createdAt": number,  
    "deploymentStatus": "string",  
    "deploymentStatusMessage": "string",  
    "description": "string",  
    "environmentAccountConnectionId": "string",  
    "environmentAccountId": "string",  
    "lastDeploymentAttemptedAt": number,  
    "lastDeploymentSucceededAt": number,  
    "name": "string",  
    "protonServiceRoleArn": "string",  
    "provisioning": "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 (p. 66)**

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

Type: [Environment \(p. 157\)](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 204\)](#).

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

# GetEnvironmentAccountConnection

In an environment account, view the detail data for an environment account connection.

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

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 202).

The request accepts the following data in JSON format.

### **id** (p. 68)

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",  
    "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** (p. 68)

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

Type: [EnvironmentAccountConnection](#) (p. 160) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

# GetEnvironmentTemplate

Get detail 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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### **name** (p. 70)

The name of the environment template that you want to get the detail 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** (p. 70)

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



Type: [EnvironmentTemplate](#) (p. 167) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

# GetEnvironmentTemplateVersion

View detail 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](#) (p. 202).

The request accepts the following data in JSON format.

### majorVersion (p. 72)

To view 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 (p. 72)

To view 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 (p. 72)

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** (p. 72)

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

Type: [EnvironmentTemplateVersion](#) (p. 172) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

# GetService

Get detail data for a service.

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 202).

The request accepts the following data in JSON format.

### name (p. 75)

The name of the service that you want to get the detail 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",  
      "lastDeploymentAttemptedAt": number,  
      "lastDeploymentSucceededAt": number,  
      "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](#) (p. 75)

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

Type: [Service](#) (p. 178) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

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

# GetServiceInstance

Get detail data for a service instance. A service instance is an instantiation of service template, which is running 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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### **name** (p. 78)

The name of a service instance that you want to get the detail 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** (p. 78)

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

```
{
  "serviceInstance": {
    "arn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "environmentName": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "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** (p. 78)

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

Type: [ServiceInstance](#) (p. 181) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

# GetServiceTemplate

Get detail 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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### name (p. 81)

The name of the service template that you want to get detail 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 (p. 81)

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

Type: [ServiceTemplate](#) (p. 191) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

# GetServiceTemplateVersion

View detail 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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### majorVersion (p. 83)

To view 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 (p. 83)

To view 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 (p. 83)

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",
"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** (p. 83)

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

Type: [ServiceTemplateVersion](#) (p. 195) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 Administrator 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](#) (p. 202).

The request accepts the following data in JSON format.

### **environmentName** (p. 86)

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** (p. 86)

The maximum number of environment account connections to list.

Type: Integer

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

Required: No

### **nextToken** (p. 86)

A token to indicate 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** (p. 86)

The type of account making the `ListEnvironmentAccountConnections` request.

Type: String



Valid Values: `MANAGEMENT_ACCOUNT` | `ENVIRONMENT_ACCOUNT`

Required: Yes

#### [statuses \(p. 86\)](#)

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",
      "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 \(p. 87\)](#)

An array of environment account connections with details that's returned by AWS Proton.

Type: Array of [EnvironmentAccountConnectionSummary \(p. 162\)](#) objects

#### [nextToken \(p. 87\)](#)

A token to indicate 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 \(p. 204\)](#).

**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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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](#) (p. 202).

The request accepts the following data in JSON format.

### **environmentTemplates** (p. 89)

An array of the versions of the environment template.

Type: Array of [EnvironmentTemplateFilter](#) (p. 169) objects

Required: No

### **maxResults** (p. 89)

The maximum number of environments to list.

Type: Integer

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

Required: No

### **nextToken** (p. 89)

A token to indicate 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",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "description": "string",
    "environmentAccountConnectionId": "string",
    "environmentAccountId": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "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** (p. 89)

An array of environment detail data summaries.

Type: Array of [EnvironmentSummary](#) (p. 164) objects

### **nextToken** (p. 89)

A token to indicate 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](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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](#) (p. 202).

The request accepts the following data in JSON format.

### **maxResults** (p. 92)

The maximum number of environment templates to list.

Type: Integer

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

Required: No

### **nextToken** (p. 92)

A token to indicate 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** (p. 92)

A token to indicate 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** (p. 92)

An array of environment templates with detail data.

Type: Array of [EnvironmentTemplateSummary](#) (p. 170) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

- [AWS SDK for JavaScript](#)
- [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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### **majorVersion** (p. 95)

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** (p. 95)

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** (p. 95)

A token to indicate 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** (p. 95)

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** (p. 96)

A token to indicate 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** (p. 96)

An array of major or minor versions of an environment template detail data.

Type: Array of [EnvironmentTemplateVersionSummary](#) (p. 175) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

# ListServiceInstances

List service instances with summaries of detail data.

## Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string",  
  "serviceName": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 202).

The request accepts the following data in JSON format.

### **maxResults** (p. 98)

The maximum number of service instances to list.

Type: Integer

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

Required: No

### **nextToken** (p. 98)

A token to indicate 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** (p. 98)

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

## Response Syntax

```
{  
  "nextToken": "string",  
  "serviceInstances": [  
    {  
      ...  
    }  
  ]  
}
```

```
    "arn": "string",
    "createdAt": number,
    "deploymentStatus": "string",
    "deploymentStatusMessage": "string",
    "environmentName": "string",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "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** (p. 98)

A token to indicate 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** (p. 98)

An array of service instances with summaries of detail data.

Type: Array of [ServiceInstanceSummary](#) (p. 184) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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](#) (p. 202).

The request accepts the following data in JSON format.

### **maxResults** (p. 101)

The maximum number of services to list.

Type: Integer

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

Required: No

### **nextToken** (p. 101)

A token to indicate 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** (p. 101)

A token to indicate 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** (p. 101)

An array of services with summaries of detail data.

Type: Array of [ServiceSummary](#) (p. 189) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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



- [AWS SDK for JavaScript](#)
- [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](#) (p. 202).

The request accepts the following data in JSON format.

### **maxResults** (p. 104)

The maximum number of service templates to list.

Type: Integer

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

Required: No

### **nextToken** (p. 104)

A token to indicate 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** (p. 104)

A token to indicate 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** (p. 104)

An array of service templates with detail data.

Type: Array of [ServiceTemplateSummary](#) (p. 193) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

- [AWS SDK for JavaScript](#)
- [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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### **majorVersion** (p. 107)

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** (p. 107)

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** (p. 107)

A token to indicate 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** (p. 107)

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** (p. 108)

A token to indicate 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+=/]+$`

### **templateVersions** (p. 108)

An array of major or minor versions of a service template with detail data.

Type: Array of [ServiceTemplateVersionSummary](#) (p. 198) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 Administrator Guide](#) or [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](#) (p. 202).

The request accepts the following data in JSON format.

### **maxResults** (p. 110)

The maximum number of tags to list.

Type: Integer

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

Required: No

### **nextToken** (p. 110)

A token to indicate 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** (p. 110)

The Amazon Resource Name (ARN) of the resource for the listed tags.

Type: String

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

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** (p. 110)

A token to indicate the location of the next resource tag in the array of resource tags, after the current requested list of resource tags.

Type: String

### **tags** (p. 110)

An array of resource tags with detail data.

Type: Array of [Tag](#) (p. 200) 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](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 *won't* be able to accept or use the rejected environment account connection.

You *can't* reject an environment account connection that is connected to an environment.

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

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 202\)](#).

The request accepts the following data in JSON format.

### id (p. 113)

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",
    "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** (p. 113)

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

Type: [EnvironmentAccountConnection](#) (p. 160) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

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

# TagResource

Tag a resource. For more information, see *AWS Proton resources and tagging* in the [AWS Proton Administrator Guide](#) or [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](#) (p. 202).

The request accepts the following data in JSON format.

### **resourceArn** (p. 116)

The Amazon Resource Name (ARN) of the resource that the resource tag is applied to.

Type: String

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

Required: Yes

### **tags** (p. 116)

An array of resource tags to apply to a resource.

Type: Array of [Tag](#) (p. 200) 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](#) (p. 204).

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

# UntagResource

Remove a tag from a resource. For more information, see *AWS Proton resources and tagging* in the [AWS Proton Administrator Guide](#) or [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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### **resourceArn** (p. 118)

The Amazon Resource Name (ARN) of the resource that the tag is to be removed from.

Type: String

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

Required: Yes

### **tagKeys** (p. 118)

An array of tag keys indicating the resource 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 \(p. 204\)](#).

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

# UpdateAccountSettings

Update the AWS Proton pipeline service account settings.

## Request Syntax

```
{  
  "pipelineServiceRoleArn": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 202\)](#).

The request accepts the following data in JSON format.

### **pipelineServiceRoleArn** (p. 120)

The Amazon Resource Name (ARN) of the AWS Proton pipeline service role.

Type: String

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

Required: No

## Response Syntax

```
{  
  "accountSettings": {  
    "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** (p. 120)

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

Type: [AccountSettings](#) (p. 154) object

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 204\)](#).

### **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

**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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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` parameter to update or connect to an 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.

If the environment *isn't* associated with an environment account connection, *don't* update or include the `environmentAccountConnectionId` parameter to update or connect to an environment account connection.

You can update either the `environmentAccountConnectionId` or `protonServiceRoleArn` parameter and value. You can't update both.

There are four modes for updating an environment as described in the following. 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 (optional).

## Request Syntax

```
{
  "deploymentType": "string",
  "description": "string",
  "environmentAccountConnectionId": "string",
  "name": "string",
  "protonServiceRoleArn": "string",
  "spec": "string",
  "templateMajorVersion": "string",
  "templateMinorVersion": "string"
}
```

# Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 202\)](#).

The request accepts the following data in JSON format.

## **deploymentType** (p. 122)

There are four modes for updating an environment as described in the following. 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 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** (p. 122)

A description of the environment update.

Type: String

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

Required: No

## **environmentAccountConnectionId** (p. 122)

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** (p. 122)

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** (p. 122)

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.

Required: No

**spec** (p. 122)

The formatted specification that defines the update.

Type: String

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

Required: No

**templateMajorVersion** (p. 122)

The ID of 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** (p. 122)

The ID of 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",
  "createdAt": number,
  "deploymentStatus": "string",
  "deploymentStatusMessage": "string",
  "description": "string",
  "environmentAccountConnectionId": "string",
  "environmentAccountId": "string",
  "lastDeploymentAttemptedAt": number,
  "lastDeploymentSucceededAt": number,
  "name": "string",
  "protonServiceRoleArn": "string",
  "provisioning": "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** (p. 124)

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

Type: [Environment](#) (p. 157) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 Administrator guide*.

## Request Syntax

```
{  
  "id": "string",  
  "roleArn": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 202).

The request accepts the following data in JSON format.

### **id** (p. 127)

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** (p. 127)

The Amazon Resource Name (ARN) of the IAM service role that is associated with the environment account connection to update.

Type: String

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

Required: Yes

## Response Syntax

```
{  
  "environmentAccountConnection": {  
    "arn": "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** (p. 127)

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

Type: [EnvironmentAccountConnection](#) (p. 160) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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](#) (p. 202).

The request accepts the following data in JSON format.

### **description** (p. 130)

A description of the environment template update.

Type: String

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

Required: No

### **displayName** (p. 130)

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** (p. 130)

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** (p. 130)

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

Type: [EnvironmentTemplate](#) (p. 167) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### **description** (p. 133)

A description of environment template version to update.

Type: String

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

Required: No

### **majorVersion** (p. 133)

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** (p. 133)

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** (p. 133)

The status of the environment template minor version to update.

Type: String

Valid Values: REGISTRATION\_IN\_PROGRESS | REGISTRATION\_FAILED | DRAFT | PUBLISHED

Required: No

#### **templateName** (p. 133)

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** (p. 134)

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

Type: [EnvironmentTemplateVersion](#) (p. 172) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

#### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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.

## Request Syntax

```
{  
  "description": "string",  
  "name": "string",  
  "spec": "string"  
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 202\)](#).

The request accepts the following data in JSON format.

### `description` (p. 136)

The edited service description.

Type: String

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

Required: No

### `name` (p. 136)

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` (p. 136)

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 Administrator Guide](#) or 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",
      "lastDeploymentAttemptedAt": number,
      "lastDeploymentSucceededAt": number,
      "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** (p. 137)

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

Type: [Service](#) (p. 178) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

# UpdateServiceInstance

Update a service instance.

There are four modes for updating a service instance as described in the following. 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 instance 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 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 also specify a different major version that is higher than the major version in use and a minor version (optional).

## Request Syntax

```
{
  "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](#) (p. 202).

The request accepts the following data in JSON format.

### `deploymentType` (p. 139)

The deployment type.

There are four modes for updating a service instance as described in the following. 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 instance 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 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 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

**name (p. 139)**

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 (p. 139)**

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 (p. 139)**

The formatted specification that defines the service instance update.

Type: String

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

Required: No

**templateMajorVersion (p. 139)**

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** (p. 139)

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",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "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** (p. 141)

The service instance summary data returned by AWS Proton.

Type: [ServiceInstance](#) (p. 181) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

#### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 as described in the following. 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 minor or major 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 also 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 also specify a different major version that is higher than the major version in use and a minor version (optional).

## 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 \(p. 202\)](#).

The request accepts the following data in JSON format.

### `deploymentType` (p. 143)

The deployment type.

There are four modes for updating a service pipeline as described in the following. 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 minor or major 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 also 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 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

#### `serviceName` (p. 143)

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` (p. 143)

The spec for the service pipeline to update.

Type: String

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

Required: Yes

#### `templateMajorVersion` (p. 143)

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** (p. 143)

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",
    "lastDeploymentAttemptedAt": number,
    "lastDeploymentSucceededAt": number,
    "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** (p. 145)

The pipeline details returned by AWS Proton.

Type: [ServicePipeline](#) (p. 187) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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](#) (p. 202).

The request accepts the following data in JSON format.

### **description** (p. 147)

A description of the service template update.

Type: String

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

Required: No

### **displayName** (p. 147)

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

Type: String

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

Required: No

### **name** (p. 147)

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** (p. 147)

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

Type: [ServiceTemplate](#) (p. 191) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

### **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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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",
  "templateName": "string"
}
```

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 202).

The request accepts the following data in JSON format.

### **compatibleEnvironmentTemplates** (p. 150)

An array of compatible environment names for a service template major or minor version to update.

Type: Array of [CompatibleEnvironmentTemplateInput](#) (p. 156) objects

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

Required: No

### **description** (p. 150)

A description of a service template version to update.

Type: String

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

Required: No

### **majorVersion** (p. 150)

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** (p. 150)

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** (p. 150)

The status of the service template minor version to update.

Type: String

Valid Values: `REGISTRATION_IN_PROGRESS` | `REGISTRATION_FAILED` | `DRAFT` | `PUBLISHED`

Required: No

#### **templateName** (p. 150)

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",
    "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](#) (p. 151)

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

Type: [ServiceTemplateVersion](#) (p. 195) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 204).

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

# Data Types

The 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](#) (p. 154)
- [CompatibleEnvironmentTemplate](#) (p. 155)
- [CompatibleEnvironmentTemplateInput](#) (p. 156)
- [Environment](#) (p. 157)
- [EnvironmentAccountConnection](#) (p. 160)
- [EnvironmentAccountConnectionSummary](#) (p. 162)
- [EnvironmentSummary](#) (p. 164)
- [EnvironmentTemplate](#) (p. 167)
- [EnvironmentTemplateFilter](#) (p. 169)
- [EnvironmentTemplateSummary](#) (p. 170)
- [EnvironmentTemplateVersion](#) (p. 172)
- [EnvironmentTemplateVersionSummary](#) (p. 175)
- [S3ObjectSource](#) (p. 177)
- [Service](#) (p. 178)
- [ServiceInstance](#) (p. 181)
- [ServiceInstanceSummary](#) (p. 184)
- [ServicePipeline](#) (p. 187)
- [ServiceSummary](#) (p. 189)
- [ServiceTemplate](#) (p. 191)
- [ServiceTemplateSummary](#) (p. 193)
- [ServiceTemplateVersion](#) (p. 195)
- [ServiceTemplateVersionSummary](#) (p. 198)
- [Tag](#) (p. 200)
- [TemplateVersionSourceInput](#) (p. 201)

# AccountSettings

The AWS Proton pipeline service role data.

## Contents

### **pipelineServiceRoleArn**

The Amazon Resource Name (ARN) of the AWS Proton pipeline service role.

Type: String

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

Required: No

## See Also

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

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

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

# Environment

The environment detail data. An AWS Proton environment is a set resources shared across an AWS Proton service.

## 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

### **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

**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

**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.

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

**spec**

The environment spec.

Type: String

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



Required: No

**templateMajorVersion**

The ID of 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 ID of 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

## See Also

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

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

# EnvironmentAccountConnection

The environment account connection detail data.

## 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.

Required: Yes

**status**

The status of the environment account connection.

Type: String

Valid Values: `PENDING` | `CONNECTED` | `REJECTED`

Required: Yes

## See Also

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

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

# EnvironmentAccountConnectionSummary

A summary of the environment account connection detail data.

## 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.

Required: Yes

**status**

The status of the environment account connection.

Type: String

Valid Values: `PENDING` | `CONNECTED` | `REJECTED`

Required: Yes

## See Also

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

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

# EnvironmentSummary

A summary of the environment detail data.

## 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

### **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

### **environmentAccountId**

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

**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

**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.

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

**templateMajorVersion**

The ID of 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 ID of 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

## See Also

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

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



# 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

### **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.

Required: No

### **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

### **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 Go](#)
- [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 Go](#)
- [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

### **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

### **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

### **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 Go](#)
- [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

### **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

### **lastModifiedAt**

The time when the version of an environment template was last modified.

Type: Timestamp

Required: Yes

### **majorVersion**

The ID of 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 ID of 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

**recommendedMinorVersion**

The ID of 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

**status**

The status of the version of an environment template.

Type: String

Valid Values: `REGISTRATION_IN_PROGRESS` | `REGISTRATION_FAILED` | `DRAFT` | `PUBLISHED`

Required: Yes

**statusMessage**

The status message of the version of an environment template.

Type: String

Required: No

**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

## See Also

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

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





# 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

### **description**

A description of the version of an environment template.

Type: String

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

Required: No

### **lastModifiedAt**

The time when the version of an environment template was last modified.

Type: Timestamp

Required: Yes

### **majorVersion**

The ID of 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 ID of 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

### **recommendedMinorVersion**

The ID of 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

### **status**

The status of the version of an environment template.

Type: String

Valid Values: `REGISTRATION_IN_PROGRESS` | `REGISTRATION_FAILED` | `DRAFT` | `PUBLISHED`

Required: Yes

### **statusMessage**

The status message of the version of an environment template.

Type: String

Required: No

### **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

## See Also

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

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

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

## Service

The service detail data.

### Contents

#### **arn**

The Amazon Resource Name (ARN) of the service.

Type: String

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

#### **createdAt**

The time when the service was created.

Type: Timestamp

Required: Yes

#### **description**

A description of a service.

Type: String

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

Required: No

#### **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

#### **pipeline**

The service pipeline detail data.

Type: [ServicePipeline](#) (p. 187) object

Required: No

**repositoryConnectionArn**

The Amazon Resource Name (ARN) of the repository connection. For more information, see [Set up a repository connection](#) in the *AWS Proton Administrator Guide* and [Setting up with AWS Proton](#) in the *AWS Proton User Guide*.

Type: String

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

Required: No

**repositoryId**

The ID of the code repository.

Type: String

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

Required: No

**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

**statusMessage**

A service status message.

Type: String

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

## See Also

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

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

# ServiceInstance

The service instance detail data.

## 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

### **deploymentStatusMessage**

A service instance deployment status message.

Type: String

Required: No

### **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

**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

**templateMajorVersion**

The ID of 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 ID of 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

## See Also

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

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

# ServiceInstanceSummary

A summary of the service instance detail data.

## 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

### **deploymentStatusMessage**

A service instance deployment status message.

Type: String

Required: No

### **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 ID of the major 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

**templateMinorVersion**

The ID of 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

**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

## See Also

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

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

# ServicePipeline

The service pipeline detail data.

## Contents

### **arn**

The Amazon Resource Name (ARN) of the service pipeline.

Type: String

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

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

### **deploymentStatusMessage**

A service pipeline deployment status message.

Type: String

Required: No

### **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

### **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

**templateMajorVersion**

The ID of 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 ID of 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

## See Also

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

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

# ServiceSummary

A summary of the service detail data.

## 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

### **description**

A description of the service.

Type: String

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

Required: No

### **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

**statusMessage**

A service status message.

Type: String

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

## See Also

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

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



# ServiceTemplate

The service template detail data.

## 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

### **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.

Required: No

### **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

### **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 ID of 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ServiceTemplateSummary

The service template summary data.

## 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

### **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

### **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

### **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 ID of 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ServiceTemplateVersion

The version of a service template detail data.

## 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](#) (p. 155) objects

Required: Yes

### **createdAt**

The time when the version of a service template was created.

Type: Timestamp

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

### **lastModifiedAt**

The time when the version of a service template was last modified.

Type: Timestamp

Required: Yes

### **majorVersion**

The ID of 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 ID of 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

#### **recommendedMinorVersion**

The ID of 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

#### **status**

The service template version status.

Type: String

Valid Values: `REGISTRATION_IN_PROGRESS` | `REGISTRATION_FAILED` | `DRAFT` | `PUBLISHED`

Required: Yes

#### **statusMessage**

A service template version status message.

Type: String

Required: No

#### **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

## **See Also**

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

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

# ServiceTemplateVersionSummary

A summary of the service template version detail data.

## 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

### **description**

A description of the version of a service template.

Type: String

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

Required: No

### **lastModifiedAt**

The time when the version of a service template was last modified.

Type: Timestamp

Required: Yes

### **majorVersion**

The ID of 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 ID of 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



### **recommendedMinorVersion**

The ID of 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

### **status**

The service template minor version status.

Type: String

Valid Values: `REGISTRATION_IN_PROGRESS` | `REGISTRATION_FAILED` | `DRAFT` | `PUBLISHED`

Required: Yes

### **statusMessage**

A service template minor version status message.

Type: String

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

## See Also

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

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

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

# TemplateVersionSourceInput

Template version source data.

## Contents

### s3

An S3 source object that includes the template bundle S3 path and name for a template minor version.

Type: [S3ObjectSource](#) (p. 177) object

Required: No

## See Also

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

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

# Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signature Version 4 Signing Process](#) in the *Amazon Web Services General Reference*.

**Action**

The action to be performed.

Type: string

Required: Yes

**Version**

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

**X-Amz-Algorithm**

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

**X-Amz-Credential**

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4\_request"). The value is expressed in the following format: `access_key/YYYYMMDD/region/service/aws4_request`.

For more information, see [Task 2: Create a String to Sign for Signature Version 4](#) in the *Amazon Web Services General Reference*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

**X-Amz-Date**

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'THHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is

not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Handling Dates in Signature Version 4](#) in the *Amazon Web Services General Reference*.

Type: string

Required: Conditional

#### **X-Amz-Security-Token**

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS Security Token Service, go to [AWS Services That Work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from the AWS Security Token Service, you must include the security token.

Type: string

Required: Conditional

#### **X-Amz-Signature**

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

#### **X-Amz-SignedHeaders**

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Task 1: Create a Canonical Request For Signature Version 4](#) in the *Amazon Web Services General Reference*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

# Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

**AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

**IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 400

**InternalFailure**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

**InvalidAction**

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 400

**InvalidClientTokenId**

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

**InvalidParameterCombination**

Parameters that must not be used together were used together.

HTTP Status Code: 400

**InvalidParameterValue**

An invalid or out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

**InvalidQueryParameter**

The AWS query string is malformed or does not adhere to AWS standards.

HTTP Status Code: 400

**MalformedQueryString**

The query string contains a syntax error.

HTTP Status Code: 404

**MissingAction**

The request is missing an action or a required parameter.

HTTP Status Code: 400

**MissingAuthenticationToken**

The request must contain either a valid (registered) AWS access key ID or X.509 certificate.

HTTP Status Code: 403

**MissingParameter**

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

**NotAuthorized**

You do not have permission to perform this action.

HTTP Status Code: 400

**OptInRequired**

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

**RequestExpired**

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

**ServiceUnavailable**

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

**ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

**ValidationError**

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

HTTP Status Code: 400