



API Reference

# AWS Elemental Inference



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# AWS Elemental Inference: API Reference

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# Welcome

This is the AWS Elemental Inference REST API Reference. It provides information on the URL, request contents, and response contents of each AWS Elemental Inference REST operation.

We assume that you have the IAM permissions that you need to use AWS Elemental Inference via the REST API. We also assume that you are familiar with the features and operations of AWS Elemental Inference as described in *AWS Elemental Inference User Guide*.

This document was last published on May 24, 2026.

# Actions

The following actions are supported:

- [AssociateFeed](#)
- [CreateFeed](#)
- [DeleteFeed](#)
- [DisassociateFeed](#)
- [GetFeed](#)
- [ListFeeds](#)
- [ListTagsForResource](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateFeed](#)

# AssociateFeed

Associates a resource with the feed. The resource provides the input that Elemental Inference needs in order to perform an Elemental Inference feature, such as cropping video. You always provide the resource by associating it with a feed. You can associate only one resource with each feed.

## Request Syntax

```
POST /v1/feed/id/associate HTTP/1.1
Content-type: application/json

{
  "associatedResourceName": "string",
  "dryRun": boolean,
  "outputs": [
    {
      "description": "string",
      "name": "string",
      "outputConfig": { ... },
      "status": "string"
    }
  ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### id

The ID of the feed.

Pattern: `[a-z0-9]{19}`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

## associatedResourceName

An identifier for the resource. If the resource is from an AWS service, this identifier must be the full ARN of that resource. Otherwise, the identifier is a name that you assign and that is appropriate for the application that owns the resource. This name must not resemble an ARN.

Type: String

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

Pattern: `[\w \-\. ' , @ : ; / ] *`

Required: Yes

## dryRun

Set to true if you want to do a dry run of the associate action.

Type: Boolean

Required: No

## outputs

The outputs to add to this feed. You must specify at least one output. You can later use the UpdateFeed action to change the list of outputs.

Type: Array of [CreateOutput](#) objects

Required: Yes

## Response Syntax

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

{
  "arn": "string",
  "id": "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.

### arn

The AWS ARN for this association.

Type: String

### id

An ID for this response. It is unique in Elemental Inference for this AWS account.

Type: String

Pattern: `[a-z0-9]{19}`

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **ConflictException**

The request could not be completed due to a conflict.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal server error occurred. This is a temporary condition and the request can be retried. If the problem persists, contact AWS Support.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource specified in the action doesn't exist.

HTTP Status Code: 404

## ServiceQuotaExceededException

The request was rejected because it would exceed one or more service quotas for your account. Review your service quotas and either delete unused resources or request a quota increase.

HTTP Status Code: 402

## TooManyRequestException

The request was denied due to request throttling. Too many requests have been made within a given time period. Reduce the frequency of requests and use exponential backoff when retrying.

HTTP Status Code: 429

## ValidationException

The input fails to satisfy the constraints specified by the service. Check the error message for details about which parameter or field is invalid and correct the request before retrying.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# CreateFeed

Creates a feed. The feed is the target for live streams being sent by the calling application. An example of a calling application is AWS Elemental MediaLive. After you create the feed, you can associate a resource with the feed.

## Request Syntax

```
POST /v1/feed HTTP/1.1
Content-type: application/json

{
  "name": "string",
  "outputs": [
    {
      "description": "string",
      "name": "string",
      "outputConfig": { ... },
      "status": "string"
    }
  ],
  "tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### name

A name for this feed.

Type: String

Pattern: `[a-zA-Z0-9]([a-zA-Z0-9-_{0,126}[a-zA-Z0-9])?`

Required: Yes

### outputs

An array of outputs for this feed. Each output represents a specific Elemental Inference feature. For example, an output might represent the crop feature.

Type: Array of [CreateOutput](#) objects

Required: Yes

### tags

If you want to include tags, add them now. You won't be able to add them later.

Type: String to string map

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

## Response Syntax

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

{
  "arn": "string",
  "association": {
    "associatedResourceName": "string"
  },
  "dataEndpoints": [ "string" ],
  "id": "string",
  "name": "string",
  "outputs": [
    {
      "description": "string",
      "fromAssociation": boolean,
      "name": "string",
      "outputConfig": { ... },
      "status": "string"
    }
  ]
}
```

```
    }  
  ],  
  "status": "string",  
  "tags": {  
    "string" : "string"  
  }  
}
```

## Response Elements

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

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

### arn

A unique ARN that Elemental Inference assigns to the feed.

Type: String

### association

The association for this feed. When you create the feed, this property is empty. You must associate a resource with the feed using `AssociateFeed`.

Type: [FeedAssociation](#) object

### dataEndpoints

A unique ARN that Elemental Inference assigns to the feed.

Type: Array of strings

### id

A unique ID that Elemental Inference assigns to the feed.

Type: String

Pattern: `[a-z0-9]{19}`

### name

The name that you specified.

Type: String

Pattern: `[a-zA-Z0-9]([a-zA-Z0-9-_{0,126}[a-zA-Z0-9])?`

## outputs

Data endpoints that Elemental Inference assigns to the feed.

Type: Array of [GetOutput](#) objects

## status

The current status of the feed. After creation of the feed has succeeded, the status will be AVAILABLE.

Type: String

Valid Values: CREATING | AVAILABLE | ACTIVE | UPDATING | DELETING | DELETED  
| ARCHIVED

## tags

Any tags that you included when you created the feed.

Type: String to string map

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **ConflictException**

The request could not be completed due to a conflict.

HTTP Status Code: 409

## InternalServerErrorException

An internal server error occurred. This is a temporary condition and the request can be retried. If the problem persists, contact AWS Support.

HTTP Status Code: 500

## ServiceQuotaExceededException

The request was rejected because it would exceed one or more service quotas for your account. Review your service quotas and either delete unused resources or request a quota increase.

HTTP Status Code: 402

## TooManyRequestException

The request was denied due to request throttling. Too many requests have been made within a given time period. Reduce the frequency of requests and use exponential backoff when retrying.

HTTP Status Code: 429

## ValidationException

The input fails to satisfy the constraints specified by the service. Check the error message for details about which parameter or field is invalid and correct the request before retrying.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)

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

# DeleteFeed

Deletes the specified feed. The feed can be deleted at any time.

## Request Syntax

```
DELETE /v1/feed/id HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### id

The ID of the feed.

Pattern: [a-z0-9]{19}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

```
{  
  "arn": "string",  
  "id": "string",  
  "status": "string"  
}
```

## Response Elements

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

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

## arn

The ARN of the deleted feed.

Type: String

## id

The ID of the deleted feed.

Type: String

Pattern: [a-z0-9]{19}

## status

The current status of the feed. When deletion of the feed has succeeded, the status will be DELETED.

Type: String

Valid Values: CREATING | AVAILABLE | ACTIVE | UPDATING | DELETING | DELETED  
| ARCHIVED

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **ConflictException**

The request could not be completed due to a conflict.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal server error occurred. This is a temporary condition and the request can be retried. If the problem persists, contact AWS Support.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource specified in the action doesn't exist.

HTTP Status Code: 404

### **TooManyRequestException**

The request was denied due to request throttling. Too many requests have been made within a given time period. Reduce the frequency of requests and use exponential backoff when retrying.

HTTP Status Code: 429

### **ValidationException**

The input fails to satisfy the constraints specified by the service. Check the error message for details about which parameter or field is invalid and correct the request before retrying.

HTTP Status Code: 400

## **See Also**

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

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- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
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- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# DisassociateFeed

Releases the resource (for example, an MediaLive channel) that is associated with this feed. The outputs in the feed become disabled.

## Request Syntax

```
POST /v1/feed/id/disassociate HTTP/1.1
Content-type: application/json

{
  "associatedResourceName": "string",
  "dryRun": boolean
}
```

## URI Request Parameters

The request uses the following URI parameters.

### id

The ID of the feed where you want to release the resource.

Pattern: [a-z0-9]{19}

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### associatedResourceName

The name of the resource currently associated with the feed'.

Type: String

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

Pattern: [\w \-\.\',@:;/]\*

Required: Yes

### dryRun

Set to true if you want to do a dry run of the disassociate action.

Type: Boolean

Required: No

## Response Syntax

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

{
  "arn": "string",
  "id": "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.

### arn

The ID of the feed where you deleted the associated resource.

Type: String

### id

The ARN of the resource that you deleted.

Type: String

Pattern: [a-z0-9]{19}

## Errors

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

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

## **ConflictException**

The request could not be completed due to a conflict.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal server error occurred. This is a temporary condition and the request can be retried. If the problem persists, contact AWS Support.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource specified in the action doesn't exist.

HTTP Status Code: 404

## **TooManyRequestException**

The request was denied due to request throttling. Too many requests have been made within a given time period. Reduce the frequency of requests and use exponential backoff when retrying.

HTTP Status Code: 429

## **ValidationException**

The input fails to satisfy the constraints specified by the service. Check the error message for details about which parameter or field is invalid and correct the request before retrying.

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 V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# GetFeed

Retrieves information about the specified feed.

## Request Syntax

```
GET /v1/feed/id HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### id

The ID of the feed to query.

Pattern: [a-z0-9]{19}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "arn": "string",
  "association": {
    "associatedResourceName": "string"
  },
  "dataEndpoints": [ "string" ],
  "id": "string",
  "name": "string",
  "outputs": [
    {
      "description": "string",
      "fromAssociation": boolean,

```

```
    "name": "string",
    "outputConfig": { ... },
    "status": "string"
  }
],
"status": "string",
"tags": {
  "string" : "string"
}
}
```

## Response Elements

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

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

### arn

The ARN of the feed.

Type: String

### association

Information about the resource, if any, associated with the feed being queried.

Type: [FeedAssociation](#) object

### dataEndpoints

The dataEndpoints of the feed being queried.

Type: Array of strings

### id

The ID of the feed being queried.

Type: String

Pattern: [a-z0-9]{19}

### name

The name of the feed being queried.

Type: String

Pattern: `[a-zA-Z0-9]([a-zA-Z0-9-_{0,126}[a-zA-Z0-9])?`

### outputs

An array of the outputs in the feed being queried.

Type: Array of [GetOutput](#) objects

### status

The status of the feed being queried.

Type: String

Valid Values: CREATING | AVAILABLE | ACTIVE | UPDATING | DELETING | DELETED  
| ARCHIVED

### tags

A list of the tags, if any, for the feed being queried.

Type: String to string map

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **InternalServerErrorException**

An internal server error occurred. This is a temporary condition and the request can be retried. If the problem persists, contact AWS Support.

HTTP Status Code: 500

## ResourceNotFoundException

The resource specified in the action doesn't exist.

HTTP Status Code: 404

## TooManyRequestException

The request was denied due to request throttling. Too many requests have been made within a given time period. Reduce the frequency of requests and use exponential backoff when retrying.

HTTP Status Code: 429

## See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListFeeds

Displays a list of feeds that belong to this AWS account.

## Request Syntax

```
GET /v1/feeds?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum number of results to return per API request.

For example, you submit a list request with MaxResults set at 5. Although 20 items match your request, the service returns no more than the first 5 items. (The service also returns a NextToken value that you can use to fetch the next batch of results.)

The service might return fewer results than the MaxResults value. If MaxResults is not included in the request, the service defaults to pagination with a maximum of 10 results per page.

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

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

### nextToken

The token that identifies the batch of results that you want to see.

For example, you submit a ListBridges request with MaxResults set at 5. The service returns the first batch of results (up to 5) and a NextToken value. To see the next batch of results, you can submit the ListBridges request a second time and specify the NextToken value.

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "feeds": [
    {
      "arn": "string",
      "association": {
        "associatedResourceName": "string"
      },
      "id": "string",
      "name": "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.

### feeds

A list of feed summaries.

Type: Array of [FeedSummary](#) objects

### nextToken

The token that identifies the batch of results that you want to see. For example, you submit a list request with MaxResults set at 5. The service returns the first batch of results (up to 5) and a NextToken value. To see the next batch of results, you can submit the list request a second time and specify the NextToken value.

Type: String

## Errors

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

## AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

## InternalServerErrorException

An internal server error occurred. This is a temporary condition and the request can be retried. If the problem persists, contact AWS Support.

HTTP Status Code: 500

## ResourceNotFoundException

The resource specified in the action doesn't exist.

HTTP Status Code: 404

## TooManyRequestException

The request was denied due to request throttling. Too many requests have been made within a given time period. Reduce the frequency of requests and use exponential backoff when retrying.

HTTP Status Code: 429

## ValidationException

The input fails to satisfy the constraints specified by the service. Check the error message for details about which parameter or field is invalid and correct the request before retrying.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
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# ListTagsForResource

List all tags that are on an Elemental Inference resource in the current region.

## Request Syntax

```
GET /v1/tags/resourceArn HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

The ARN of the resource whose tags you want to query.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "tags": {
    "string" : "string"
  }
}
```

## Response Elements

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

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

## tags

A list of the tags that belong to this resource.

Type: String to string map

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **InternalServerErrorException**

An internal server error occurred. This is a temporary condition and the request can be retried. If the problem persists, contact AWS Support.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource specified in the action doesn't exist.

HTTP Status Code: 404

### **TooManyRequestException**

The request was denied due to request throttling. Too many requests have been made within a given time period. Reduce the frequency of requests and use exponential backoff when retrying.

HTTP Status Code: 429

### **ValidationException**

The input fails to satisfy the constraints specified by the service. Check the error message for details about which parameter or field is invalid and correct the request before retrying.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# TagResource

Associates the specified tags to the resource identified by the specified `resourceArn` in the current region. If existing tags on a resource are not specified in the request parameters, they are not changed. When a resource is deleted, the tags associated with that resource are also deleted.

## Request Syntax

```
POST /v1/tags/resourceArn HTTP/1.1
Content-type: application/json

{
  "tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

The ARN of the resource where you want to add tags.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### tags

A list of tags to add to the resource.

Type: String to string map

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: Yes

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

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

## Errors

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

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### ConflictException

The request could not be completed due to a conflict.

HTTP Status Code: 409

### InternalServerErrorException

An internal server error occurred. This is a temporary condition and the request can be retried. If the problem persists, contact AWS Support.

HTTP Status Code: 500

### ResourceNotFoundException

The resource specified in the action doesn't exist.

HTTP Status Code: 404

### TooManyRequestException

The request was denied due to request throttling. Too many requests have been made within a given time period. Reduce the frequency of requests and use exponential backoff when retrying.

HTTP Status Code: 429

## ValidationException

The input fails to satisfy the constraints specified by the service. Check the error message for details about which parameter or field is invalid and correct the request before retrying.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UntagResource

Deletes specified tags from the specified resource in the current region.

## Request Syntax

```
DELETE /v1/tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

The ARN of the resource where you want to delete one or more tags.

Required: Yes

### tagKeys

The keys of the tags to delete.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

## **ConflictException**

The request could not be completed due to a conflict.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal server error occurred. This is a temporary condition and the request can be retried. If the problem persists, contact AWS Support.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource specified in the action doesn't exist.

HTTP Status Code: 404

## **TooManyRequestException**

The request was denied due to request throttling. Too many requests have been made within a given time period. Reduce the frequency of requests and use exponential backoff when retrying.

HTTP Status Code: 429

## **ValidationException**

The input fails to satisfy the constraints specified by the service. Check the error message for details about which parameter or field is invalid and correct the request before retrying.

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 V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateFeed

Updates the name and/or outputs in a feed.

## Request Syntax

```
PUT /v1/feed/id HTTP/1.1
Content-type: application/json

{
  "name": "string",
  "outputs": [
    {
      "description": "string",
      "fromAssociation": boolean,
      "name": "string",
      "outputConfig": { ... },
      "status": "string"
    }
  ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### id

The ID of the feed to update.

Pattern: `[a-z0-9]{19}`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### name

Required. You can specify the existing name (to leave it unchanged) or a new name.

Type: String

Pattern: `[a-zA-Z0-9]([a-zA-Z0-9-_{0,126}[a-zA-Z0-9])?`

Required: Yes

## outputs

Required. You can specify the existing array of outputs (to leave outputs unchanged) or you can specify a new array.

Type: Array of [UpdateOutput](#) objects

Required: Yes

## Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "arn": "string",
  "association": {
    "associatedResourceName": "string"
  },
  "dataEndpoints": [ "string" ],
  "id": "string",
  "name": "string",
  "outputs": [
    {
      "description": "string",
      "fromAssociation": boolean,
      "name": "string",
      "outputConfig": { ... },
      "status": "string"
    }
  ],
  "status": "string",
  "tags": {
    "string" : "string"
  }
}
```

## Response Elements

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

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

### arn

The ARN of the feed.

Type: String

### association

True means that the output was originally created in the feed by the AssociateFeed operation. False means it was created using CreateFeed or UpdateFeed. You will need this value if you use the UpdateFeed operation to modify the list of outputs in the feed.

Type: [FeedAssociation](#) object

### dataEndpoints

The data endpoints of the feed.

Type: Array of strings

### id

The ID of the feed.

Type: String

Pattern: `[a-z0-9]{19}`

### name

The updated or original name of the feed.

Type: String

Pattern: `[a-zA-Z0-9]([a-zA-Z0-9-_{0,126}[a-zA-Z0-9])?`

### outputs

The array of outputs in the feed. You might have left this array unchanged, or you might have changed it.

Type: Array of [GetOutput](#) objects

### status

The status of the output.

Type: String

Valid Values: CREATING | AVAILABLE | ACTIVE | UPDATING | DELETING | DELETED  
| ARCHIVED

### tags

The name of the resource currently associated with the feed, if any.

Type: String to string map

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **ConflictException**

The request could not be completed due to a conflict.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal server error occurred. This is a temporary condition and the request can be retried. If the problem persists, contact AWS Support.

HTTP Status Code: 500

## ResourceNotFoundException

The resource specified in the action doesn't exist.

HTTP Status Code: 404

## ServiceQuotaExceededException

The request was rejected because it would exceed one or more service quotas for your account. Review your service quotas and either delete unused resources or request a quota increase.

HTTP Status Code: 402

## TooManyRequestException

The request was denied due to request throttling. Too many requests have been made within a given time period. Reduce the frequency of requests and use exponential backoff when retrying.

HTTP Status Code: 429

## ValidationException

The input fails to satisfy the constraints specified by the service. Check the error message for details about which parameter or field is invalid and correct the request before retrying.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)

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

# Data Types

The AWS Elemental Inference 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:

- [ClippingConfig](#)
- [CreateOutput](#)
- [CroppingConfig](#)
- [FeedAssociation](#)
- [FeedSummary](#)
- [GetOutput](#)
- [OutputConfig](#)
- [UpdateOutput](#)

# ClippingConfig

A type of OutputConfig, used when the output in a feed is for the clip feature.

## Contents

### callbackMetadata

The metadata that is the result of the clip request to Elemental Inference.

Type: String

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

Pattern: `[\w \-\.\ ' ,@:;]*`

Required: No

## See Also

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

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

# CreateOutput

Contains configuration information about one output in a feed. It is used in the AssociateFeed and the CreateFeed actions.

## Contents

### name

A name for the output.

Type: String

Pattern: `[a-zA-Z0-9]([a-zA-Z0-9-_{0,126}[a-zA-Z0-9])?`

Required: Yes

### outputConfig

A typed property for an output in a feed. It is used in the CreateFeed and AssociateFeed actions. It identifies the action for Elemental Inference to perform. It also provides a repository for the results of that action. For example, CroppingConfig output will contain the metadata for the crop feature.

Type: [OutputConfig](#) object

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

Required: Yes

### status

The status to assign to the output.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

### description

A description for the output.

Type: String

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

Pattern: `[\w \-\.\',@:;]*`

Required: No

## See Also

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

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

# CroppingConfig

A type of OutputConfig, used when the output in a feed is for the crop feature.

## Contents

The members of this exception structure are context-dependent.

## See Also

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

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

# FeedAssociation

Contains information about the resource that is associated with a feed. It is used in the FeedSummary that is used in the response of a ListFeeds action.

## Contents

### associatedResourceName

The name of the associated resource.

Type: String

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

Pattern: `[\w \-\.\ ' ,@:;/]*`

Required: Yes

## See Also

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

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

# FeedSummary

Contains configuration information about a feed. It is used in the ListFeeds action.

## Contents

### arn

The ARN of the feed.

Type: String

Required: Yes

### id

The ID of the feed.

Type: String

Pattern: `[a-z0-9]{19}`

Required: Yes

### name

The name of the feed

Type: String

Pattern: `[a-zA-Z0-9]([a-zA-Z0-9-_{0,126}[a-zA-Z0-9])?`

Required: Yes

### status

The status of the feed.

Type: String

Valid Values: CREATING | AVAILABLE | ACTIVE | UPDATING | DELETING | DELETED  
| ARCHIVED

Required: Yes

## association

The resource, if any, associated with the feed.

Type: [FeedAssociation](#) object

Required: No

## See Also

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

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

# GetOutput

Contains configuration information about one output in a feed. It is used in the GetFeed action.

## Contents

### name

The ARN of the output.

Type: String

Pattern: `[a-zA-Z0-9]([a-zA-Z0-9-_{0,126}[a-zA-Z0-9])?`

Required: Yes

### outputConfig

A typed property for an output in a feed. It is used in the GetFeed action. It identifies the action for Elemental Inference to perform. It also provides a repository for the results of that action. For example, CroppingConfig output will contain the metadata for the crop feature.

Type: [OutputConfig](#) object

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

Required: Yes

### status

The status of the output.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

### description

The description of the output.

Type: String

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

Pattern: `[\w \-\.\',@:;]*`

Required: No

### **fromAssociation**

True means that the output was originally created in the feed by the AssociateFeed operation. False means it was created using CreateFeed or UpdateFeed. You will need this value if you use the UpdateFeed operation to modify the list of outputs in the feed.

Type: Boolean

Required: No

## **See Also**

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

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

# OutputConfig

Contains one typed output. It is used in the CreateOutput, GetOutput, and Update Output structures.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### clipping

The output config type that applies to the clipping feature.

Type: [ClippingConfig](#) object

Required: No

### cropping

The output config type that applies to the cropping feature.

Type: [CroppingConfig](#) object

Required: No

## See Also

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

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

# UpdateOutput

Contains configuration information about one output in a feed. It is used in the UpdateFeed action.

## Contents

### name

The name start here

Type: String

Pattern: `[a-zA-Z0-9]([a-zA-Z0-9-_{0,126}[a-zA-Z0-9])?`

Required: Yes

### outputConfig

A typed property for an output in a feed. It is used in the UpdateFeed action. It identifies the action for Elemental Inference to perform. It also provides a repository for the results of that action. For example, CroppingConfig output will contain the metadata for the crop feature.

Type: [OutputConfig](#) object

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

Required: Yes

### status

The status of the output.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

### description

A description of the output.

Type: String

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

Pattern: `[\w \-\.\',@:;]*`

Required: No

### **fromAssociation**

This property is set by the service when you add the output to the feed, and indicates how you added the output. True means that you used the AssociateFeed operation. False means that you used the CreateFeed or UpdateFeed operation. Use GetFeed to obtain the value. If the value is True, include this field here with a value of True. If the value is False, omit the field here.

Type: Boolean

Required: No

## **See Also**

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

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

# Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

## X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

## X-Amz-Credential

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

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

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

Type: string

Required: Conditional

## X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

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

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

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

Type: string

Required: Conditional

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

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

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

Type: string

Required: Conditional

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

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Create a signed AWS API request](#) in the *IAM User Guide*.

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

Type: string

## Required: Conditional

# Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

## **AccessDeniedException**

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

## **ExpiredTokenException**

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

## **IncompleteSignature**

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

## **InternalFailure**

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

## **MalformedHttpRequestException**

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

## **NotAuthorized**

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

## **OptInRequired**

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

## **RequestAbortedException**

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

## **RequestEntityTooLargeException**

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

## **RequestTimeoutException**

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

## **ServiceUnavailable**

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

## **ThrottlingException**

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

## **UnknownOperationException**

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

## **UnrecognizedClientException**

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

## **ValidationError**

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400