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What Is the AWS Elemental MediaPackage Live API Reference?

This is the AWS Elemental MediaPackage REST API Reference. It contains examples of REST resources and their operations.

AWS Elemental MediaPackage REST API overview

The AWS Elemental MediaPackage API comprises of two main resources: the channel and the endpoint. The channel is the entry point to AWS Elemental MediaPackage. The endpoint is a part of the channel and is the exit point from AWS Elemental MediaPackage. The endpoint is referred to as an OriginEndpoint in the REST API.

To get started with AWS Elemental MediaPackage

Step 1: Create a channel.

The channel is the first component in AWS Elemental MediaPackage. It represents the input to AWS Elemental MediaPackage for incoming content from an encoder.

Step 2: Create endpoints.

The endpoint is attached to the channel, and represents the output of the content from AWS Elemental MediaPackage. There can be multiple endpoints associated with one channel. Each endpoint provides downstream content distribution networks (CDNs) and players access to the content for playback.

Step 3: Integrate AWS Elemental MediaPackage.

When the channel and endpoints are created, they provide URLs that are used for input and output, respectively. In the encoder, use WebDAV to push the stream to AWS Elemental MediaPackage. For the stream destination information, enter the input URL from the channel. You also must configure the username and password from the channel on the encoder’s output stream, or AWS Elemental MediaPackage denies the content push. In the CDN or player, enter the endpoint URL from the AWS Elemental MediaPackage endpoint as the content request address.

For general information on the service, see the AWS Elemental MediaPackage User Guide.
The AWS Elemental MediaPackage REST API includes the following resources.

**Topics**
- Channels (p. 2)
- Channels id (p. 9)
- Channels id Credentials (p. 17)
- Channels id Ingest_endpoints ingest_endpoint_id Credentials (p. 21)
- Origin_endpoints (p. 25)
- Origin_endpoints id (p. 52)
- Tags resource-arn (p. 76)

**Channels**

**URI**

/channels

**HTTP Methods**

**GET**

Operation ID: ListChannels

Lists channels that match a set of filters that you define.

**AWS CLI Request Syntax**

```bash
aws mediapackage list-channels
[--starting-token <value>]
[--page-size <value>]
[--max-items <value>]
```

Use pagination to limit the number of entries you receive in the response. For more how to use pagination, see Using the AWS Command Line Interface's Pagination Options.

**Query Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>Pagination token from the GET list request. Use the token to fetch the next page of results.</td>
</tr>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>Upper bound on number of records to return.</td>
</tr>
</tbody>
</table>
## Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>ChannelList (p. 5)</td>
<td>200 OK response. The list of channels is returned successfully.</td>
</tr>
<tr>
<td>403</td>
<td>None</td>
<td>403 Forbidden response. AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials.</td>
</tr>
<tr>
<td>404</td>
<td>None</td>
<td>404 Not Found response. AWS Elemental MediaPackage did not find a representation of the target resource.</td>
</tr>
<tr>
<td>422</td>
<td>None</td>
<td>422 Unprocessable Entity response. AWS Elemental MediaPackage could not process the instructions in the body of the request.</td>
</tr>
<tr>
<td>429</td>
<td>None</td>
<td>429 Too Many Requests response. Too many requests have been sent in a given amount of time.</td>
</tr>
<tr>
<td>500</td>
<td>None</td>
<td>500 Internal Server Error response. An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.</td>
</tr>
<tr>
<td>503</td>
<td>None</td>
<td>Service unavailable response. AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance.</td>
</tr>
</tbody>
</table>

### POST

Operation ID: CreateChannel

Creates a channel to receive content.
Once created, a channel provides static input URLs. These URLs remain the same throughout the lifetime of the channel, regardless of any failures or upgrades that might occur. Use these URLs to configure the outputs of your upstream encoder.

**AWS CLI Request Syntax**

```bash
aws mediapackage create-channel
  -id <value>
  [--description <value>]
```

For a complete list of channel attributes, see the ChannelCreateParameters property.

**Example POST Channel Request Body**

```json
{
    "id": "sportschannel",
    "description": "24x7 sports"
}
```

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Channel (p. 5)</td>
<td>The channel is created successfully.</td>
</tr>
<tr>
<td>403</td>
<td>None</td>
<td>403 Forbidden response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials.</td>
</tr>
<tr>
<td>404</td>
<td>None</td>
<td>404 Not Found response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage did not find a representation of the target resource.</td>
</tr>
<tr>
<td>422</td>
<td>None</td>
<td>422 Unprocessable Entity response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage could not process the instructions in the body of the request.</td>
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<tr>
<td>429</td>
<td>None</td>
<td>429 Too Many Requests response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Too many requests have been sent in a given amount of time.</td>
</tr>
<tr>
<td>500</td>
<td>None</td>
<td>500 Internal Server Error response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>An unexpected condition prevented AWS Elemental</td>
</tr>
<tr>
<td>Status Code</td>
<td>Response Model</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------</td>
<td>-------------</td>
</tr>
<tr>
<td>503</td>
<td>None</td>
<td>Service unavailable response AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance.</td>
</tr>
</tbody>
</table>

**Schemas**

**Request Bodies**

**Example POST**

```
{
    "description": "string",
    "id": "string",
    "tags": {
    }
}
```

**Response Bodies**

**Example ChannelList**

```
{
    "channels": [
    {
        "description": "string",
        "hlsIngest": {
            "ingestEndpoints": [
            {
                "password": "string",
                "id": "string",
                "url": "string",
                "username": "string"
            }
            ],
        "id": "string",
        "arn": "string",
        "tags": {
        }
    }
    ],
    "nextToken": "string"
}
```

**Example Channel**

```
{
```
"description": "string",
"hlsIngest": {
   "ingestEndpoints": [
   {
      "password": "string",
      "id": "string",
      "url": "string",
      "username": "string"
   }
   ],
   "id": "string",
   "arn": "string",
   "tags": {
   }
}

Properties

Channel

Channel configuration.

description

Any descriptive information that you want to add to the channel for future identification purposes.

   Type: string
   Required: False

hlsIngest

System-generated information about the channel.

   Type: HlsIngest (p. 7)
   Required: False

id

Unique identifier that you assign to the channel.

   Type: string
   Required: False

arn

The channel's unique system-generated resource name, based on the AWS record.

   Type: string
   Required: False

tags

The tags assigned to the channel.

   Type: Tags (p. 8)
Required: False

**ChannelCreateParameters**

Channel configuration.

**description**

Any descriptive information that you want to add to the channel for future identification purposes.

- **Type:** string
  - **Required:** False

**id**

Unique identifier that you assign to the channel.

- **Type:** string
  - **Required:** True

**tags**

The tags to assign to the channel.

- **Type:** Tags (p. 8)
  - **Required:** False

**ChannelList**

**channels**

List of channel objects that are configured on this account.

- **Type:** Array of type Channel (p. 6)
  - **Required:** False

**nextToken**

Pagination token. Use this token to request the next page of channel results.

- **Type:** string
  - **Required:** False

**HlsIngest**

HLS ingest configuration.

**ingestEndpoints**

The input URL where the source stream should be sent.

- **Type:** Array of type IngestEndpoint (p. 8)
**IngestEndpoint**

An endpoint for ingesting source content for a channel.

**password**

The system-generated password for WebDAV input authentication.

*Type: string*

*Required: False*

**id**

The system-generated unique identifier for the IngestEndpoint.

*Type: string*

*Required: False*

**url**

The input URL where the source stream should be sent.

*Type: string*

*Required: False*

**username**

The system-generated username for WebDAV input authentication.

*Type: string*

*Required: False*

**Tags**

A collection of tags associated with a resource.

- **Property:** "key1": "value1"
- **Type:** string
- **Required:** True
- **Description:** A comma-separated list of tag key:value pairs that you define. For example:

```json
{
    "Key1": "Value1",
    "Key2": "Value2"
}
```

**key-value pairs**

*Type: string*
See Also

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

ListChannels

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Go - Pilot
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

CreateChannel

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Go - Pilot
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

Channels id

URI

/channels/{id}

HTTP Methods

GET

Operation ID: DescribeChannel

Provides details about a channel.
### AWS CLI Request Syntax

```
aws mediapackage describe-channel --id <channelId>
```

### Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>True</td>
<td>Identifier for the object that you are working on.</td>
</tr>
</tbody>
</table>

### Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Channel (p. 14)</td>
<td>200 OK response</td>
</tr>
<tr>
<td>403</td>
<td>None</td>
<td>403 Forbidden response</td>
</tr>
<tr>
<td></td>
<td>None</td>
<td>AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials.</td>
</tr>
<tr>
<td>404</td>
<td>None</td>
<td>404 Not Found response</td>
</tr>
<tr>
<td></td>
<td>None</td>
<td>AWS Elemental MediaPackage did not find a representation of the target resource.</td>
</tr>
<tr>
<td>422</td>
<td>None</td>
<td>422 Unprocessable Entity response</td>
</tr>
<tr>
<td></td>
<td>None</td>
<td>AWS Elemental MediaPackage could not process the instructions in the body of the request.</td>
</tr>
<tr>
<td>429</td>
<td>None</td>
<td>429 Too Many Requests response</td>
</tr>
<tr>
<td></td>
<td>None</td>
<td>Too many requests have been sent in a given amount of time.</td>
</tr>
<tr>
<td>500</td>
<td>None</td>
<td>500 Internal Server Error response</td>
</tr>
<tr>
<td></td>
<td>None</td>
<td>An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.</td>
</tr>
<tr>
<td>503</td>
<td>None</td>
<td>Service unavailable response</td>
</tr>
</tbody>
</table>
PUT

Operation ID: UpdateChannel

Updates a specific channel. You can't change the id attribute or any other system-generated attributes.

AWS CLI Request Syntax

```
aws mediapackage update-channel
   --id <channelId>
   [--description <value>]
```

Pass in the updated description as an argument in the AWS CLI request.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>True</td>
<td>Identifier for the object that you are working on.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Channel (p. 14)</td>
<td>200 OK response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The channel is updated successfully.</td>
</tr>
<tr>
<td>403</td>
<td>None</td>
<td>403 Forbidden response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials.</td>
</tr>
<tr>
<td>404</td>
<td>None</td>
<td>404 Not Found response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage did not find a representation of the target resource.</td>
</tr>
<tr>
<td>422</td>
<td>None</td>
<td>422 Unprocessable Entity response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage could not process the</td>
</tr>
</tbody>
</table>
HTTP Methods

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>429</td>
<td>None</td>
<td>429 Too Many Requests response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Too many requests have been sent in a given amount of time.</td>
</tr>
<tr>
<td>500</td>
<td>None</td>
<td>500 Internal Server Error response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.</td>
</tr>
<tr>
<td>503</td>
<td>None</td>
<td>Service unavailable response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance.</td>
</tr>
</tbody>
</table>

## DELETE

Operation ID: DeleteChannel

Permanently deletes a channel.

**AWS CLI Request Syntax**

```
aws mediapackage delete-channel --id <channelId>
```

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>True</td>
<td>Identifier for the object that you are working on.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>202</td>
<td>None</td>
<td>202 Accepted response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage accepted the request but has not processed it yet.</td>
</tr>
</tbody>
</table>
## Status Code

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>403</td>
<td>None</td>
<td>403 Forbidden response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials.</td>
</tr>
<tr>
<td>404</td>
<td>None</td>
<td>404 Not Found response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage did not find a representation of the target resource.</td>
</tr>
<tr>
<td>422</td>
<td>None</td>
<td>422 Unprocessable Entity response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage could not process the instructions in the body of the request.</td>
</tr>
<tr>
<td>429</td>
<td>None</td>
<td>429 Too Many Requests response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Too many requests have been sent in a given amount of time.</td>
</tr>
<tr>
<td>500</td>
<td>None</td>
<td>500 Internal Server Error response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.</td>
</tr>
<tr>
<td>503</td>
<td>None</td>
<td>Service unavailable response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance.</td>
</tr>
</tbody>
</table>

## Schemas

### Request Bodies

#### Example PUT

```json
{
    "description": "string"
}
```
### Response Bodies

#### Example Channel

```json
{
  "description": "string",
  "hlsIngest": {
    "ingestEndpoints": [
      {
        "password": "string",
        "id": "string",
        "url": "string",
        "username": "string"
      }
    ],
    "id": "string",
    "arn": "string",
    "tags": {
      "string": "string"
    }
  }
}
```

### Properties

#### Channel

Channel configuration.

- **description**
  - Any descriptive information that you want to add to the channel for future identification purposes.
  - **Type:** string
  - **Required:** False

- **hlsIngest**
  - System-generated information about the channel.
  - **Type:** HlsIngest (p. 15)
  - **Required:** False

- **id**
  - Unique identifier that you assign to the channel.
  - **Type:** string
  - **Required:** False

- **arn**
  - The channel's unique system-generated resource name, based on the AWS record.
  - **Type:** string
  - **Required:** False
tags

The tags assigned to the channel.

  Type: Tags (p. 16)
  Required: False

ChannelUpdateParameters

Channel configuration.

description

Any descriptive information that you want to add to the channel for future identification purposes.

  Type: string
  Required: False

HlsIngest

HLS ingest configuration.

ingestEndpoints

The input URL where the source stream should be sent.

  Type: Array of type IngestEndpoint (p. 15)
  Required: False

IngestEndpoint

An endpoint for ingesting source content for a channel.

password

The system-generated password for WebDAV input authentication.

  Type: string
  Required: False

id

The system-generated unique identifier for the IngestEndpoint.

  Type: string
  Required: False

url

The input URL where the source stream should be sent.

  Type: string
  Required: False
username

The system-generated username for WebDAV input authentication.

- **Type**: string
- **Required**: False

**Tags**

A collection of tags associated with a resource.

- **Property**: "key1": "value1"
- **Type**: string
- **Required**: True
- **Description**: A comma-separated list of tag key: value pairs that you define. For example:

```
{
   "Key1": "Value1",
   "Key2": "Value2"
}
```

**key-value pairs**

- **Type**: string

**See Also**

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

**DescribeChannel**

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Go - Pilot
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

**UpdateChannel**

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
Channels id Credentials

URI

/.channels/id/credentials

HTTP Methods

PUT

Operation ID: RotateChannelCredentials

Changes the username and password of the first IngestEndpoint on the channel.

Important
This API is being deprecated. Use RotateIngestEndpointCredentials instead.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>True</td>
<td>Identifier for the object that you are working on.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Channel (p. 18)</td>
<td>200  OK response</td>
</tr>
<tr>
<td>Status Code</td>
<td>Response Model</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| 403         | None           | 403 Forbidden response
AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials. |
| 404         | None           | 404 Not Found response
AWS Elemental MediaPackage did not find a representation of the target resource. |
| 422         | None           | 422 Unprocessable Entity response
AWS Elemental MediaPackage could not process the instructions in the body of the request. |
| 429         | None           | 429 Too Many Requests response
Too many requests have been sent in a given amount of time. |
| 500         | None           | 500 Internal Server Error response
An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request. |
| 503         | None           | Service unavailable response
AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance. |

**Schemas**

**Response Bodies**

**Example Channel**

```json
{
  "description": "string",
  "hlsIngest": {
```
Properties

Channel

Channel configuration.

description

Any descriptive information that you want to add to the channel for future identification purposes.

Type: string
Required: False

hlsIngest

System-generated information about the channel.

Type: HlsIngest (p. 20)
Required: False

id

Unique identifier that you assign to the channel.

Type: string
Required: False

arn

The channel's unique system-generated resource name, based on the AWS record.

Type: string
Required: False

tags

The tags assigned to the channel.

Type: Tags (p. 20)
Required: False
HlsIngest

HLS ingest configuration.

ingestEndpoints

The input URL where the source stream should be sent.

  Type: Array of type IngestEndpoint (p. 20)
  Required: False

IngestEndpoint

An endpoint for ingesting source content for a channel.

password

The system-generated password for WebDAV input authentication.

  Type: string
  Required: False

id

The system-generated unique identifier for the IngestEndpoint.

  Type: string
  Required: False

url

The input URL where the source stream should be sent.

  Type: string
  Required: False

username

The system-generated username for WebDAV input authentication.

  Type: string
  Required: False

Tags

A collection of tags associated with a resource.

  Property: "key1": "value1"
  Type: string
  Required: True
  Description: A comma-separated list of tag key:value pairs that you define. For example:

```json
{
  "Key1": "Value1",
```


key-value pairs

Type: string

See Also

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

RotateChannelCredentials

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Go - Pilot
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

Channels id Ingest_endpoints ingest_endpoint_id Credentials

URI

/channels/id/ingest_endpoints/ingest_endpoint_id/credentials

HTTP Methods

PUT

Operation ID: RotateIngestEndpointCredentials

Rotate the IngestEndpoint's username and password, as specified by the ID of the IngestEndpoint.

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ingest_endpoint_id</td>
<td>String</td>
<td>True</td>
<td>The ID of the IngestEndpoint whose credentials you're rotating.</td>
</tr>
</tbody>
</table>
### HTTP Methods

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>True</td>
<td>Identifier for the object that you are working on.</td>
</tr>
</tbody>
</table>

### Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Channel (p. 23)</td>
<td>200 OK response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The channel is updated successfully.</td>
</tr>
<tr>
<td>403</td>
<td>None</td>
<td>403 Forbidden response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials.</td>
</tr>
<tr>
<td>404</td>
<td>None</td>
<td>404 Not Found response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage did not find a representation of the target resource.</td>
</tr>
<tr>
<td>422</td>
<td>None</td>
<td>422 Unprocessable Entity response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage could not process the instructions in the body of the request.</td>
</tr>
<tr>
<td>429</td>
<td>None</td>
<td>429 Too Many Requests response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Too many requests have been sent in a given amount of time.</td>
</tr>
<tr>
<td>500</td>
<td>None</td>
<td>500 Internal Server Error response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.</td>
</tr>
<tr>
<td>503</td>
<td>None</td>
<td>Service unavailable response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance.</td>
</tr>
</tbody>
</table>
Schemas

Response Bodies

Example Channel

```json
{
    "description": "string",
    "hlsIngest": {
        "ingestEndpoints": [
            {
                "password": "string",
                "id": "string",
                "url": "string",
                "username": "string"
            }
        ],
        "id": "string",
        "arn": "string",
        "tags": {
        }
    }
}
```

Properties

Channel

Channel configuration.

**description**

Any descriptive information that you want to add to the channel for future identification purposes.

- **Type:** string
- **Required:** False

**hlsIngest**

System-generated information about the channel.

- **Type:** HlsIngest (p. 24)
- **Required:** False

**id**

Unique identifier that you assign to the channel.

- **Type:** string
- **Required:** False

**arn**

The channel's unique system-generated resource name, based on the AWS record.
**Properties**

**Type**
- **string**
- **Required**: False

**tags**
The tags assigned to the channel.
- **Type**: Tags (p. 25)
- **Required**: False

**HlsIngest**
HLS ingest configuration.

**ingestEndpoints**
The input URL where the source stream should be sent.
- **Type**: Array of type IngestEndpoint (p. 24)
- **Required**: False

**IngestEndpoint**
An endpoint for ingesting source content for a channel.

**password**
The system-generated password for WebDAV input authentication.
- **Type**: string
- **Required**: False

**id**
The system-generated unique identifier for the IngestEndpoint.
- **Type**: string
- **Required**: False

**url**
The input URL where the source stream should be sent.
- **Type**: string
- **Required**: False

**username**
The system-generated username for WebDAV input authentication.
- **Type**: string
- **Required**: False
Tags

A collection of tags associated with a resource.

- **Property**: "key1": "value1"
- **Type**: string
- **Required**: True
- **Description**: A comma-separated list of tag key:value pairs that you define. For example:

```json
{
  "Key1": "Value1",
  "Key2": "Value2"
}
```

key-value pairs

- **Type**: string

See Also

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

**RotateIngestEndpointCredentials**

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Go - Pilot
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

**Origin_endpoints**

**URI**

/origin_endpoints

**HTTP Methods**

**GET**

Operation ID: ListOriginEndpoints
Lists endpoints that match a set of filters that you define.

**AWS CLI Request Syntax**

```bash
aws mediapackage list-origin-endpoints
[--channel-id <channelId>]
[--starting-token <value>]
[--page-size <value>]
[--max-items <value>]
```

Where `channelId` is the channel that this endpoint is associated with. Use pagination to limit the number of entries you receive in the response. For more how to use pagination, see Using the AWS Command Line Interface’s Pagination Options.

**Query Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nextToken</td>
<td>String</td>
<td>False</td>
<td>Pagination token from the GET list request. Use the token to fetch the next page of results.</td>
</tr>
<tr>
<td>maxResults</td>
<td>String</td>
<td>False</td>
<td>Upper bound on number of records to return.</td>
</tr>
<tr>
<td>channelId</td>
<td>String</td>
<td>False</td>
<td>Limits results to endpoints associated with the given channel ID.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>OriginEndpointList (p. 31)</td>
<td>The list of endpoints is returned successfully.</td>
</tr>
<tr>
<td>403</td>
<td>None</td>
<td>AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials.</td>
</tr>
<tr>
<td>404</td>
<td>None</td>
<td>AWS Elemental MediaPackage did not find a representation of the target resource.</td>
</tr>
<tr>
<td>422</td>
<td>None</td>
<td>AWS Elemental MediaPackage could not process the response.</td>
</tr>
</tbody>
</table>
AWS Elemental MediaPackage Live API Reference
HTTP Methods

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>429</td>
<td>None</td>
<td>429 Too Many Requests response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Too many requests have been sent in a given amount of time.</td>
</tr>
<tr>
<td>500</td>
<td>None</td>
<td>500 Internal Server Error response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.</td>
</tr>
<tr>
<td>503</td>
<td>None</td>
<td>Service unavailable response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance.</td>
</tr>
</tbody>
</table>

POST

Operation ID: CreateOriginEndpoint

Create an endpoint on an AWS Elemental MediaPackage channel.

An endpoint represents a single delivery point of a channel, and defines content output handling through various components, such as packaging protocols, DRM and encryption integration, and more.

Once created, an endpoint provides a fixed public URL. This URL remains the same throughout the lifetime of the endpoint, regardless of any failures or upgrades that might occur. Integrate the URL with a downstream CDN (such as Amazon CloudFront) or playback device.

AWS CLI Request Syntax

```
aws mediapackage create-origin-endpoint
--id <endpointId>
--channel-id <channelId>
--dash-package | --hls-package | --mss-package} <packagingSettings>
[--description <value>]
[--manifest-name <value>]
[--startover-window-seconds <value>]
[--time-delay-seconds <value>]
[--whitelist <value>]
```

For nested parameters, such as those for packagingSettings, you can reference a JSON file file://<fileName>.json that holds all of the attributes. For a complete list of endpoint attributes, see the CreateOriginEndpointParameters property.
Example POST OriginEndpoint Request Body

```json
{
  "id": "hlssports",
  "channelID": "sportschannel",
  "description": "hls sports endpoint",
  "manifestName": "sports",
  "hlsPackage": {
    "segmentDurationSeconds": 10,
    "playlistWindowSeconds": 60,
    "playlistType": "none",
    "adMarkers": "none",
    "includeIframeOnlyStream": true,
    "useAudioRenditionGroup": true,
    "streamSelection": {
      "maxVideoBitsPerSecond": 600000
    }
  }
}
```

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>OriginEndpoint (p. 33)</td>
<td>200 OK response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The endpoint is created successfully.</td>
</tr>
<tr>
<td>403</td>
<td>None</td>
<td>403 Forbidden response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials.</td>
</tr>
<tr>
<td>404</td>
<td>None</td>
<td>404 Not Found response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage did not find a representation of the target resource.</td>
</tr>
<tr>
<td>422</td>
<td>None</td>
<td>422 Unprocessable Entity response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage could not process the instructions in the body of the request.</td>
</tr>
<tr>
<td>429</td>
<td>None</td>
<td>429 Too Many Requests response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Too many requests have been sent in a given amount of time.</td>
</tr>
<tr>
<td>500</td>
<td>None</td>
<td>500 Internal Server Error response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>An unexpected condition prevented AWS Elemental</td>
</tr>
<tr>
<td>Status Code</td>
<td>Response Model</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------</td>
<td>-------------</td>
</tr>
<tr>
<td>503</td>
<td>None</td>
<td>Service unavailable response. AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance.</td>
</tr>
</tbody>
</table>

## Schemas

### Request Bodies

**Example POST**

```json
{
  "startoverWindowSeconds": integer,
  "timeDelaySeconds": integer,
  "manifestName": "string",
  "description": "string",
  "dashPackage": {
    "manifestWindowSeconds": integer,
    "minBufferTimeSeconds": integer,
    "segmentDurationSeconds": integer,
    "encryption": {
      "keyRotationIntervalSeconds": integer,
      "spekeKeyProvider": {
        "resourceId": "string",
        "certificateArn": "string",
        "systemIds": [
          "string"
        ],
        "roleArn": "string",
        "url": "string"
      }
    },
    "profile": enum,
    "manifestLayout": enum,
    "segmentTemplateFormat": enum,
    "streamSelection": {
      "streamOrder": enum,
      "maxVideoBitsPerSecond": integer,
      "minVideoBitsPerSecond": integer
    },
    "periodTriggers": [ enum
    ],
    "minUpdatePeriodSeconds": integer,
    "suggestedPresentationDelaySeconds": integer
  },
  "id": "string",
  "whitelist": [ "string"
  ],
  "cmafPackage": {
```
"segmentDurationSeconds": integer,
"encryption": {
    "keyRotationIntervalSeconds": integer,
    "spekeKeyProvider": {
        "resourceId": "string",
        "certificateArn": "string",
        "systemIds": [ "string"
        ],
        "roleArn": "string",
        "url": "string"
    }
},
"hlsManifests": [
    {
        "adMarkers": enum,
        "playlistWindowSeconds": integer,
        "manifestName": "string",
        "programDateTimeIntervalSeconds": integer,
        "playlistType": enum,
        "id": "string",
        "includeIframeOnlyStream": boolean
    }
],
"streamSelection": {
    "streamOrder": enum,
    "maxVideoBitsPerSecond": integer,
    "minVideoBitsPerSecond": integer
},
"segmentPrefix": "string"
},
"channelId": "string",
"hlsPackage": {
    "useAudioRenditionGroup": boolean,
    "segmentDurationSeconds": integer,
    "adMarkers": enum,
    "encryption": {
        "repeatExtXKey": boolean,
        "constantInitializationVector": "string",
        "keyRotationIntervalSeconds": integer,
        "encryptionMethod": enum,
        "spekeKeyProvider": {
            "resourceId": "string",
            "certificateArn": "string",
            "systemIds": [ "string"
            ],
            "roleArn": "string",
            "url": "string"
        }
    },
    "playlistWindowSeconds": integer,
    "programDateTimeIntervalSeconds": integer,
    "playlistType": enum,
    "streamSelection": {
        "streamOrder": enum,
        "maxVideoBitsPerSecond": integer,
        "minVideoBitsPerSecond": integer
    },
    "includeIframeOnlyStream": boolean
},
"mssPackage": {
    "manifestWindowSeconds": integer,
    "programDateTimeIntervalSeconds": integer,
    "playlistType": enum,
    "streamSelection": {
        "streamOrder": enum,
        "maxVideoBitsPerSecond": integer,
        "minVideoBitsPerSecond": integer
    },
    "includeIframeOnlyStream": boolean
},
"spekeKeyProvider": {

"resourceId": "string",
"certificateArn": "string",
"systemIds": [
  "string"
],
"roleArn": "string",
"url": "string"
},
"streamSelection": {
  "streamOrder": enum,
  "maxVideoBitsPerSecond": integer,
  "minVideoBitsPerSecond": integer
},
"tags": {
}

Response Bodies

Example OriginEndpointList

{
  "originEndpoints": [
    {
      "startoverWindowSeconds": integer,
      "manifestName": "string",
      "description": "string",
      "dashPackage": {
        "manifestWindowSeconds": integer,
        "minBufferTimeSeconds": integer,
        "segmentDurationSeconds": integer,
        "encryption": {
          "keyRotationIntervalSeconds": integer,
          "spekeKeyProvider": {
            "resourceId": "string",
            "certificateArn": "string",
            "systemIds": [
              "string"
            ],
            "roleArn": "string",
            "url": "string"
          }
        },
        "profile": enum,
        "manifestLayout": enum,
        "segmentTemplateFormat": enum,
        "streamSelection": {
          "streamOrder": enum,
          "maxVideoBitsPerSecond": integer,
          "minVideoBitsPerSecond": integer
        },
        "periodTriggers": [
          enum
        ],
        "minUpdatePeriodSeconds": integer,
        "suggestedPresentationDelaySeconds": integer
      },
      "whitelist": [
        "string"
      ],
      "cmafPackage": {
        "segmentDurationSeconds": integer,
      }
    }
  ]
}
"encryption": {
  "keyRotationIntervalSeconds": integer,
  "spekeKeyProvider": {
    "resourceId": "string",
    "certificateArn": "string",
    "systemIds": [
      "string"
    ],
    "roleArn": "string",
    "url": "string"
  }
},
"hlsManifests": [
  {
    "adMarkers": enum,
    "playlistWindowSeconds": integer,
    "manifestName": "string",
    "programDateTimeIntervalSeconds": integer,
    "playlistType": enum,
    "id": "string",
    "includeIframeOnlyStream": boolean,
    "url": "string"
  }
],
"streamSelection": {
  "streamOrder": enum,
  "maxVideoBitsPerSecond": integer,
  "minVideoBitsPerSecond": integer
},
"segmentPrefix": "string"
},
"hlsPackage": {
  "useAudioRenditionGroup": boolean,
  "segmentDurationSeconds": integer,
  "adMarkers": enum,
  "encryption": {
    "repeatExtXKey": boolean,
    "constantInitializationVector": "string",
    "keyRotationIntervalSeconds": integer,
    "encryptionMethod": enum,
    "spekeKeyProvider": {
      "resourceId": "string",
      "certificateArn": "string",
      "systemIds": [
        "string"
      ],
      "roleArn": "string",
      "url": "string"
    }
  },
  "playlistWindowSeconds": integer,
  "programDateTimeIntervalSeconds": integer,
  "playlistType": enum,
  "streamSelection": {
    "streamOrder": enum,
    "maxVideoBitsPerSecond": integer,
    "minVideoBitsPerSecond": integer
  },
  "includeIframeOnlyStream": boolean
},
"url": "string",
"tags": {
},
"timeDelaySeconds": integer,
"id": "string",
"arn": "string"
"channelId": "string",
"mssPackage": {
  "manifestWindowSeconds": integer,
  "segmentDurationSeconds": integer,
  "encryption": {
    "spekeKeyProvider": {
      "resourceId": "string",
      "certificateArn": "string",
      "systemIds": ["string"
      ],
      "roleArn": "string",
      "url": "string"
    }
  },
  "streamSelection": {
    "streamOrder": enum,
    "maxVideoBitsPerSecond": integer,
    "minVideoBitsPerSecond": integer
  }
},
 "nextToken": "string"

Example OriginEndpoint

{
  "startoverWindowSeconds": integer,
  "manifestName": "string",
  "description": "string",
  "dashPackage": {
    "manifestWindowSeconds": integer,
    "minBufferTimeSeconds": integer,
    "segmentDurationSeconds": integer,
    "encryption": {
      "keyRotationIntervalSeconds": integer,
      "spekeKeyProvider": {
        "resourceId": "string",
        "certificateArn": "string",
        "systemIds": ["string"
        ],
        "roleArn": "string",
        "url": "string"
      }
    },
    "profile": enum,
    "manifestLayout": enum,
    "segmentTemplateFormat": enum,
    "streamSelection": {
      "streamOrder": enum,
      "maxVideoBitsPerSecond": integer,
      "minVideoBitsPerSecond": integer
    },
    "periodTriggers": [
      enum
    ],
    "minUpdatePeriodSeconds": integer,
    "suggestedPresentationDelaySeconds": integer
  },
  "whitelist": ["string"
  ]
}
"cmafPackage": {
  "segmentDurationSeconds": integer,
  "encryption": {
    "keyRotationIntervalSeconds": integer,
    "spekeKeyProvider": {
      "resourceId": "string",
      "certificateArn": "string",
      "systemIds": [
        "string"
      ],
      "roleArn": "string",
      "url": "string"
    }
  }
},
"hlsManifests": [
  {
    "adMarkers": enum,
    "playlistWindowSeconds": integer,
    "manifestName": "string",
    "programDateTimeIntervalSeconds": integer,
    "playlistType": enum,
    "id": "string",
    "includeIframeOnlyStream": boolean,
    "url": "string"
  }
],
"streamSelection": {
  "streamOrder": enum,
  "maxVideoBitsPerSecond": integer,
  "minVideoBitsPerSecond": integer
},
"segmentPrefix": "string"
},
"hlsPackage": {
  "useAudioRenditionGroup": boolean,
  "segmentDurationSeconds": integer,
  "adMarkers": enum,
  "encryption": {
    "repeatExtXKey": boolean,
    "constantInitializationVector": "string",
    "keyRotationIntervalSeconds": integer,
    "encryptionMethod": enum,
    "spekeKeyProvider": {
      "resourceId": "string",
      "certificateArn": "string",
      "systemIds": [
        "string"
      ],
      "roleArn": "string",
      "url": "string"
    }
  },
  "playlistWindowSeconds": integer,
  "programDateTimeIntervalSeconds": integer,
  "playlistType": enum,
  "streamSelection": {
    "streamOrder": enum,
    "maxVideoBitsPerSecond": integer,
    "minVideoBitsPerSecond": integer
  },
  "includeIframeOnlyStream": boolean
},
"url": "string",
"tags": {
}
Properties

CmafEncryption

Holds encryption information so that access to the content can be controlled by a DRM solution.

keyRotationIntervalSeconds

Number of seconds before AWS Elemental MediaPackage rotates to a new key. By default, rotation is set to 60 seconds. Set to 0 to disable key rotation.

Type: integer
Required: False

spekeKeyProvider

Parameters for the SPEKE key provider.

Type: SpekeKeyProvider (p. 49)
Required: True

CmafPackage

Parameters for Common Media Application Format (CMAF) packaging.

segmentDurationSeconds

Duration (in seconds) of each segment. Actual segments are rounded to the nearest multiple of the source segment duration.

Type: integer
Required: False
encryption
Parameters for encrypting content.

Type: CmafEncryption (p. 35)
Required: False

hlsManifests
A list of HLS manifest configurations available from this endpoint.

Type: Array of type HlsManifest (p. 40)
Required: False

streamSelection
Limitations for outputs from the endpoint, based on the video bitrate.

Type: StreamSelection (p. 50)
Required: False

segmentPrefix
An optional custom string that is prepended to the name of each segment. If not specified, the segment prefix defaults to the ChannelId.

Type: string
Required: False

CmafPackageCreateOrUpdateParameters
Parameters for creating an endpoint that supports Common Media Application Format (CMAF) packaging.

segmentDurationSeconds
Duration (in seconds) of each segment. Actual segments are rounded to the nearest multiple of the source segment duration.

Type: integer
Required: False

encryption
Parameters for encrypting content.

Type: CmafEncryption (p. 35)
Required: False

hlsManifests
A list of HLS manifest configurations available from this endpoint.

Type: Array of type HlsManifestCreateOrUpdateParameters (p. 42)
Properties

streamSelection
Limitations for outputs from the endpoint, based on the video bitrate.

Type: StreamSelection (p. 50)
Required: False

segmentPrefix
An optional custom string that is prepended to the name of each segment. If not specified, the segment prefix defaults to the ChannelId.

Type: string
Required: False

DashEncryption
Holds encryption information so that access to the content can be controlled by a DRM solution.

keyRotationIntervalSeconds
Number of seconds before AWS Elemental MediaPackage rotates to a new key. By default, rotation is set to 60 seconds. Set to 0 to disable key rotation.

Type: integer
Required: False

spekeKeyProvider
Parameters for the SPEKE key provider.

Type: SpekeKeyProvider (p. 49)
Required: True

DashPackage
Parameters for DASH packaging.

manifestWindowSeconds
Time window (in seconds) contained in each manifest.

Type: integer
Required: False

minBufferTimeSeconds
Minimum amount of content (measured in seconds) that a player must keep available in the buffer.

Type: integer
Required: False
**segmentDurationSeconds**

Duration (in seconds) of each fragment. Actual fragments are rounded to the nearest multiple of the source fragment duration.

*Type:* integer  
*Required:* False

**encryption**

Parameters for encrypting content.

*Type:* DashEncryption (p. 37)  
*Required:* False

**profile**

DASH profile for the output, such as HbbTV.

Valid values:

- **NONE** - the output doesn't use a DASH profile.
- **HBBTV_1_5** - the output is HbbTV-compliant.

*Type:* string  
*Required:* False  
*Values:* NONE | HBBTV_1_5

**manifestLayout**

Determines the position of some tags in the manifest.

Options:

- **FULL** - elements like SegmentTemplate and ContentProtection are included in each Representation.
- **COMPACT** - duplicate elements are combined and presented at the AdaptationSet level.

*Type:* string  
*Required:* False  
*Values:* FULL | COMPACT

**segmentTemplateFormat**

Determines the type of variable used in the media URL of the SegmentTemplate tag in the manifest.

- **NUMBER_WITH_TIMELINE** - The $Number$ variable is used in the media URL. The value of this variable is the sequential number of the segment.
- **TIME_WITH_TIMELINE** - The $Time$ variable is used in the media URL. The value of this variable is the timestamp of when the segment starts.

*Type:* string
Required: False

Values: NUMBER_WITH_TIMELINE | TIME_WITH_TIMELINE

**streamSelection**

Limitations for outputs from the endpoint, based on the video bitrate.

Type: StreamSelection (p. 50)
Required: False

**periodTriggers**

A list of triggers that controls when AWS Elemental MediaPackage separates the MPEG-DASH manifest into multiple periods. Type ADS to indicate that AWS Elemental MediaPackage must create periods in the output manifest that correspond to SCTE-35 ad markers in the input source. Leave this value empty to indicate that the manifest is contained all in one period. For more information about periods in the DASH manifest, see Multi-period DASH in AWS Elemental MediaPackage.

Type: Array of type string
Required: False
Values: ADS

**minUpdatePeriodSeconds**

Minimum amount of time (in seconds) that the player should wait before requesting updates to the manifest.

Type: integer
Required: False

**suggestedPresentationDelaySeconds**

Amount of time (in seconds) that the player should be from the live point at the end of the manifest.

Type: integer
Required: False

**HlsEncryption**

Holds encryption information so that access to the content can be controlled by a DRM solution.

**repeatExtXKey**

Repeat the EXT-X-KEY directive for every media segment. This might result in an increase in client requests to the DRM server.

Type: boolean
Required: False

**constantInitializationVector**

A 128-bit, 16-byte hex value represented by a 32-character string, used in conjunction with the key for encrypting blocks.
keyRotationIntervalSeconds

Number of seconds before AWS Elemental MediaPackage rotates to a new key. By default, rotation is set to 60 seconds. Set to 0 to disable key rotation.

Type: integer
Required: False

encryptionMethod

HLS encryption type.

Type: string
Required: False

Values: AES_128 | SAMPLE_AES

spekeKeyProvider

Parameters for the SPEKE key provider.

Type: SpekeKeyProvider (p. 49)
Required: True

HlsManifest

A HTTP Live Streaming (HLS) manifest configuration on a CMAF endpoint.

adMarkers

Controls how ad markers are included in the packaged endpoint. Valid values are none, passthrough, or scte35_enhanced.

- NONE - omits all SCTE-35 ad markers from the output.
- PASSTHROUGH - creates a copy in the output of the SCTE-35 ad markers (comments) taken directly from the input manifest.
- SCTE35_ENHANCED - generates ad markers and blackout tags in the output based on the SCTE-35 messages from the input manifest.

Type: string
Required: False

Values: NONE | SCTE35_ENHANCED | PASSTHROUGH

playlistWindowSeconds

Time window (in seconds) contained in each parent manifest.

Type: integer
Required: False
manifestName

A short string that's appended to the end of the endpoint URL to create a unique path to this endpoint. The manifestName on the HLSManifest object overrides the manifestName you provided on the originEndpoint object.

Type: string
Required: False

programDateTimeIntervalSeconds

Inserts EXT-X-PROGRAM-DATE-TIME tags in the output manifest at the interval that you specify. Additionally, ID3Timed metadata messages are generated every 5 seconds starting when the content was ingested.

Irrespective of this parameter, if any ID3Timed metadata is in the HLS input, it is passed through to the HLS output.

Omit this attribute or enter 0 to indicate that the EXT-X-PROGRAM-DATE-TIME tags are not included in the manifest.

Type: integer
Required: False

playlistType

When specified as either event or vod, a corresponding EXT-X-PLAYLIST-TYPE entry is included in the media playlist. Indicates if the playlist is live to VOD content.

Type: string
Required: False
Values: NONE | EVENT | VOD

id

The manifest ID is required and must be unique within the OriginEndpoint. The ID can't be changed after the endpoint is created.

Type: string
Required: True

includeIframeOnlyStream

Applies to stream sets with a single video track only. When true, the stream set includes an additional I-frame only stream, along with the other tracks. If false, this extra stream is not included.

Type: boolean
Required: False

url

The URL that's used to request this manifest from this endpoint.

Type: string
Required: False
HlsManifestCreateOrUpdateParameters

Parameters for creating an HTTP Live Streaming (HLS) manifest configuration on a CMAF endpoint.

adMarkers

Controls how ad markers are included in the packaged endpoint. Valid values are none, passthrough, or scte35_enhanced.

- **NONE** - omits all SCTE-35 ad markers from the output.
- **PASSTHROUGH** - creates a copy in the output of the SCTE-35 ad markers (comments) taken directly from the input manifest.
- **SCTE35_ENHANCED** - generates ad markers and blackout tags in the output based on the SCTE-35 messages from the input manifest.

  Type: string
  Required: False
  Values: NONE | SCTE35_ENHANCED | PASSTHROUGH

playlistWindowSeconds

Time window (in seconds) contained in each parent manifest.

  Type: integer
  Required: False

manifestName

A short string that’s appended to the end of the endpoint URL to create a unique path to this endpoint. The manifestName on the HLSManifest object overrides the manifestName you provided on the originEndpoint object.

  Type: string
  Required: False

programDateTimeIntervalSeconds

Inserts EXT-X-PROGRAM-DATE-TIME tags in the output manifest at the interval that you specify. Additionally, ID3Timed metadata messages are generated every 5 seconds starting when the content was ingested.

Irrespective of this parameter, if any ID3Timed metadata is in the HLS input, it is passed through to the HLS output.

Omit this attribute or enter 0 to indicate that the EXT-X-PROGRAM-DATE-TIME tags are not included in the manifest.

  Type: integer
  Required: False

playlistType

When specified as either event or vod, a corresponding EXT-X-PLAYLIST-TYPE entry is included in the media playlist. Indicates if the playlist is live to VOD content.
Type: string
Required: False
Values: NONE | EVENT | VOD

**id**

The manifest ID is required and must be unique within the OriginEndpoint. The ID can't be changed after the endpoint is created.

Type: string
Required: True

**includeIframeOnlyStream**

Applies to stream sets with a single video track only. When true, the stream set includes an additional I-frame only stream, along with the other tracks. If false, this extra stream is not included.

Type: boolean
Required: False

**HlsPackage**

Parameters for Apple HLS packaging.

**useAudioRenditionGroup**

When true, AWS Elemental MediaPackage bundles all audio tracks in a rendition group. All other tracks in the stream can be used with any audio rendition from the group.

Type: boolean
Required: False

**segmentDurationSeconds**

Duration (in seconds) of each fragment. Actual fragments are rounded to the nearest multiple of the source fragment duration.

Type: integer
Required: False

**adMarkers**

Controls how ad markers are included in the packaged endpoint. Valid values are none, passthrough, or scte35_enhanced.

- **NONE** - omits all SCTE-35 ad markers from the output.
- **PASSTHROUGH** - creates a copy in the output of the SCTE-35 ad markers (comments) taken directly from the input manifest.
- **SCTE35_ENHANCED** - generates ad markers and blackout tags in the output based on the SCTE-35 messages from the input manifest.

Type: string
Required: False
**Values:** NONE | SCTE35_ENHANCED | PASSTHROUGH

**encryption**
Parameters for encrypting content.

- **Type:** HlsEncryption (p. 39)
- **Required:** False

**playlistWindowSeconds**
Time window (in seconds) contained in each parent manifest.

- **Type:** integer
- **Required:** False

**programDateTimeIntervalSeconds**
Inserts EXT-X-PROGRAM-DATE-TIME tags in the output manifest at the interval that you specify. Additionally, ID3Timed metadata messages are generated every 5 seconds starting when the content was ingested.

Irrespective of this parameter, if any ID3Timed metadata is in the HLS input, it is passed through to the HLS output.

Omit this attribute or enter 0 to indicate that the EXT-X-PROGRAM-DATE-TIME tags are not included in the manifest.

- **Type:** integer
- **Required:** False

**playlistType**
When specified as either event or vod, a corresponding EXT-X-PLAYLIST-TYPE entry is included in the media playlist. Indicates if the playlist is live to VOD content.

- **Type:** string
- **Required:** False
- **Values:** NONE | EVENT | VOD

**streamSelection**
Limitations for outputs from the endpoint, based on the video bitrate.

- **Type:** StreamSelection (p. 50)
- **Required:** False

**includeIframeOnlyStream**
Only applies to stream sets with a single video track. When true, the stream set includes an additional I-frame only stream, along with the other tracks. If false, this extra stream is not included.

- **Type:** boolean
- **Required:** False
**MssEncryption**

Holds encryption information so that access to the content can be controlled by a DRM solution.

**spekeKeyProvider**

Parameters for the SPEKE key provider.

- **Type:** SpekeKeyProvider (p. 49)
- **Required:** True

**MssPackage**

Parameters for Microsoft Smooth Streaming packaging.

**manifestWindowSeconds**

Time window (in seconds) contained in each manifest.

- **Type:** integer
- **Required:** False

**segmentDurationSeconds**

Duration (in seconds) of each fragment. Actual fragments are rounded to the nearest multiple of the source fragment duration.

- **Type:** integer
- **Required:** False

**encryption**

Parameters for encrypting content.

- **Type:** MssEncryption (p. 45)
- **Required:** False

**streamSelection**

Limitations for outputs from the endpoint, based on the video bitrate.

- **Type:** StreamSelection (p. 50)
- **Required:** False

**OriginEndpoint**

OriginEndpoint configuration.

**startoverWindowSeconds**

Maximum duration (seconds) of content to retain for startover playback. A 0 indicates that startover playback is disabled for this endpoint.

- **Type:** integer
- **Required:** False
manifestName
A short string that's appended to the end of the endpoint URL to create a unique path to this endpoint.

Type: string
Required: False

description
Any descriptive information that you want to add to the endpoint for future identification purposes.

Type: string
Required: False

dashPackage
Parameters for DASH packaging.

Type: DashPackage (p. 37)
Required: False

whitelist
The IP addresses that can access this endpoint.

Type: Array of type string
Required: False

cmafPackage
Parameters for CMAF packaging.

Type: CmafPackage (p. 35)
Required: False

hlsPackage
Parameters for Apple HLS packaging.

Type: HlsPackage (p. 43)
Required: False

url
The URL that's used to request content from this endpoint.

Type: string
Required: False

tags
The tags assigned to the endpoint.

Type: Tags (p. 51)
Required: False
**timeDelaySeconds**

Minimum duration (seconds) of delay to enforce on the playback of live content. A 0 indicates that there is no time delay in effect for this endpoint.

- **Type**: integer
- **Required**: False

**id**

The endpoint identifier.

- **Type**: string
- **Required**: False

**arn**

The endpoint's unique system-generated resource name, based on the AWS record.

- **Type**: string
- **Required**: False

**channelId**

The ID of the channel associated with this endpoint.

- **Type**: string
- **Required**: False

**mssPackage**

Parameters for Microsoft Smooth Streaming packaging.

- **Type**: MssPackage (p. 45)
- **Required**: False

**OriginEndpointCreateParameters**

OriginEndpoint configuration.

**startoverWindowSeconds**

Maximum duration (seconds) of content to retain for startover playback. Omit this attribute or enter 0 to indicate that startover playback is disabled for this endpoint.

- **Type**: integer
- **Required**: False

**timeDelaySeconds**

Minimum duration (seconds) of delay to enforce on the playback of live content. Omit this attribute or enter 0 to indicate that there is no time delay in effect for this endpoint.

- **Type**: integer
- **Required**: False
manifestName
A short string that's appended to the end of the endpoint URL to create a unique path to this endpoint.

  Type: string
  Required: False

description
Any descriptive information that you want to add to the endpoint for future identification purposes.

  Type: string
  Required: False

dashPackage
Parameters for DASH packaging.

  Type: DashPackage (p. 37)
  Required: False

id
The endpoint ID is required and must be unique for your account in this region. The ID can't be changed after the endpoint is created.

  Type: string
  Required: True

whitelist
The IP addresses that can access this endpoint.

  Type: Array of type string
  Required: False

cmafPackage
Parameters for Common Media Application Format (CMAF) packaging.

  Type: CmafPackageCreateOrUpdateParameters (p. 36)
  Required: False

channelId
The ID of the channel associated with this endpoint.

  Type: string
  Required: True

hlsPackage
Parameters for Apple HLS packaging.
Properties

**Type:** HlsPackage (p. 43)
**Required:** False

**mssPackage**
Parameters for Microsoft Smooth Streaming packaging.

**Type:** MssPackage (p. 45)
**Required:** False

**tags**
The tags to assign to the endpoint.

**Type:** Tags (p. 51)
**Required:** False

**OriginEndpointList**

**originEndpoints**
List of endpoints that are configured on this account and the channel that you specified in the request parameters.

**Type:** Array of type OriginEndpoint (p. 45)
**Required:** False

**nextToken**
Pagination token. Use this token to request the next page of channel results.

**Type:** string
**Required:** False

**SpekeKeyProvider**
Keyprovider settings for DRM.

**resourceId**
Unique identifier for this endpoint, as it is configured in the key provider service.

**Type:** string
**Required:** True

**certificateArn**
The Amazon Resource Name (ARN) for the certificate that you imported to AWS Certificate Manager to add content key encryption to this endpoint. For this feature to work, your DRM key provider must support content key encryption.

**Type:** string
Required: False

systemIds
List of unique identifiers for the DRM systems to use, as defined in the CPIX specification.

Type: Array of type string
Required: True

roleArn
The ARN for the IAM role granted by the key provider that provides access to the key provider API. This role must have a trust policy that allows AWS Elemental MediaPackage to assume the role, and it must have a sufficient permissions policy to allow access to the specific key retrieval URL. Valid format: arn:aws:iam::{accountID}:role/{name}

Type: string
Required: True

url
URL for the key provider's key retrieval API endpoint. Must start with https://.

Type: string
Required: True

StreamSelection
Limitations for outputs from the endpoint, based on the video bitrate.

streamOrder
Order in which the different video bitrates are presented to the player.

Type: string
Required: False
Values: ORIGINAL | VIDEO_BITRATE_ASCENDING | VIDEO_BITRATE_DESCENDING

maxVideoBitsPerSecond
The upper limit of the bitrates that this endpoint serves. If the video track exceeds this threshold, then AWS Elemental MediaPackage excludes it from output. If you don't specify a value, it defaults to 2147483647 bits per second.

Type: integer
Required: False

minVideoBitsPerSecond
The lower limit of the bitrates that this endpoint serves. If the video track is below this threshold, then AWS Elemental MediaPackage excludes it from output. If you don't specify a value, it defaults to 0 bits per second.

Type: integer
Tags
A collection of tags associated with a resource.

- **Property**: "key1": "value1"
- **Type**: string
- **Required**: True
- **Description**: A comma-separated list of tag key:value pairs that you define. For example:

```
{
    "Key1": "Value1",
    "Key2": "Value2"
}
```

key-value pairs
  **Type**: string

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

**ListOriginEndpoints**
- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Go - Pilot
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

**CreateOriginEndpoint**
- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Go - Pilot
- AWS SDK for Java
- AWS SDK for JavaScript
Origin_endpoints id

URI

/origin_endpoints/\id\

HTTP Methods

GET

Operation ID: DescribeOriginEndpoint

Provides details about an endpoint.

AWS CLI Request Syntax

```bash
aws mediapackage describe-origin-endpoint --id <endpointId>
```

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>String</td>
<td>True</td>
<td>Identifier for the object that you are working on.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>OriginEndpoint (p. 58)</td>
<td>200 OK response. Endpoint details are returned successfully.</td>
</tr>
<tr>
<td>403</td>
<td>None</td>
<td>403 Forbidden response. AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials.</td>
</tr>
<tr>
<td>404</td>
<td>None</td>
<td>404 Not Found response. AWS Elemental MediaPackage did not find a representation of the target resource.</td>
</tr>
</tbody>
</table>
### Status Code | Response Model | Description
---|---|---
422 | None | 422 Unprocessable Entity response
AWS Elemental MediaPackage could not process the instructions in the body of the request.
429 | None | 429 Too Many Requests response
Too many requests have been sent in a given amount of time.
500 | None | 500 Internal Server Error response
An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.
503 | None | Service unavailable response
AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance.

### PUT
Operation ID: UpdateOriginEndpoint

Updates a specific endpoint. When you submit the request to update an endpoint, include all necessary attributes in the request, even the ones that aren't being updated. If you send only the updated attributes, then all modifiable attributes that weren't specifically included in the request will reset to default values. For example, if you are using a 30 second time delay and submit a request to only update the endpoint description, then the time delay will update to zero (disabled). We recommend that you submit a GET request to obtain the endpoint’s existing attributes and submit an updated version of the GET response body when you are updating an endpoint.

You can't change the id attribute or any other system-generated attributes.

**AWS CLI Request Syntax**

```
aws mediapackage update-origin-endpoint
  --id <endpointId>
  [--dash-package | --hls-package | --mss-package] <packagingSettings>
  [--description <value>]
  [--manifest-name <value>]
  [--startover-window-seconds <value>]
  [--time-delay-seconds <value>]
  [--whitelist <value>]
```
For nested parameters, such as those for `packagingSettings`, you can reference a JSON file `file://<fileName>.json` that holds all of the attributes.

### Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
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<td>id</td>
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</table>

### Responses

<table>
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<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>OriginEndpoint (p. 58)</td>
<td>200 OK response. The endpoint is updated successfully.</td>
</tr>
<tr>
<td>403</td>
<td>None</td>
<td>403 Forbidden response. AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials.</td>
</tr>
<tr>
<td>404</td>
<td>None</td>
<td>404 Not Found response. AWS Elemental MediaPackage did not find a representation of the target resource.</td>
</tr>
<tr>
<td>422</td>
<td>None</td>
<td>422 Unprocessable Entity response. AWS Elemental MediaPackage could not process the instructions in the body of the request.</td>
</tr>
<tr>
<td>429</td>
<td>None</td>
<td>429 Too Many Requests response. Too many requests have been sent in a given amount of time.</td>
</tr>
<tr>
<td>500</td>
<td>None</td>
<td>500 Internal Server Error response. An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.</td>
</tr>
<tr>
<td>503</td>
<td>None</td>
<td>Service unavailable response. AWS Elemental MediaPackage can't currently complete the request.</td>
</tr>
</tbody>
</table>
DELETE

Operation ID: DeleteOriginEndpoint

Permanently deletes an endpoint.

AWS CLI Request Syntax

```
aws mediapackage delete-origin-endpoint --id <endpointId>
```

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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<td>id</td>
<td>String</td>
<td>True</td>
<td>Identifier for the object that you are working on.</td>
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</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>202</td>
<td>None</td>
<td>202 Accepted response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage accepted the request but has not processed it yet.</td>
</tr>
<tr>
<td>403</td>
<td>None</td>
<td>403 Forbidden response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials.</td>
</tr>
<tr>
<td>404</td>
<td>None</td>
<td>404 Not Found response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage did not find a representation of the target resource.</td>
</tr>
<tr>
<td>422</td>
<td>None</td>
<td>422 Unprocessable Entity response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AWS Elemental MediaPackage could not process the instructions in the body of the request.</td>
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</table>
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<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>None</td>
<td>Too many requests have been sent in a given amount of time.</td>
</tr>
<tr>
<td>503</td>
<td>None</td>
<td>An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.</td>
</tr>
</tbody>
</table>

### Schemas

#### Request Bodies

**Example PUT**

```json
{
  "startOverWindowSeconds": integer,
  "timeDelaySeconds": integer,
  "manifestName": "string",
  "description": "string",
  "dashPackage": {
    "manifestWindowSeconds": integer,
    "minBufferTimeSeconds": integer,
    "segmentDurationSeconds": integer,
    "encryption": {
      "keyRotationIntervalSeconds": integer,
      "spekeKeyProvider": {
        "resourceId": "string",
        "certificateArn": "string",
        "systemIds": [
          "string"
        ],
        "roleArn": "string",
        "url": "string"
      }
    },
    "profile": enum,
    "manifestLayout": enum,
    "segmentTemplateFormat": enum,
    "streamSelection": {
      "streamOrder": enum,
      "maxVideoBitsPerSecond": integer,
      "minVideoBitsPerSecond": integer
    },
    "periodTriggers": [
      enum
    ]
  }
}```

---

56
"minUpdatePeriodSeconds": integer,
"suggestedPresentationDelaySeconds": integer
},
"whitelist": [
  "String"
],
"cmfPackage": {
  "segmentDurationSeconds": integer,
  "encryption": {
    "keyRotationIntervalSeconds": integer,
    "spekeKeyProvider": {
      "resourceId": "string",
      "certificateArn": "string",
      "systemIds": [
        "string"
      ],
      "roleArn": "string",
      "url": "string"
    }
  },
  "hlsManifests": [
    {
      "adMarkers": enum,
      "playlistWindowSeconds": integer,
      "manifestName": "string",
      "programDateTimeIntervalSeconds": integer,
      "playlistType": enum,
      "id": "string",
      "includeIframeOnlyStream": boolean
    }
  ],
  "streamSelection": {
    "streamOrder": enum,
    "maxVideoBitsPerSecond": integer,
    "minVideoBitsPerSecond": integer
  },
  "segmentPrefix": "string"
},
"hlsPackage": {
  "useAudioRenditionGroup": boolean,
  "segmentDurationSeconds": integer,
  "adMarkers": enum,
  "encryption": {
    "repeatExtXKey": boolean,
    "constantInitializationVector": "string",
    "keyRotationIntervalSeconds": integer,
    "encryptionMethod": enum,
    "spekeKeyProvider": {
      "resourceId": "string",
      "certificateArn": "string",
      "systemIds": [
        "string"
      ],
      "roleArn": "string",
      "url": "string"
    }
  },
  "playlistWindowSeconds": integer,
  "programDateTimeIntervalSeconds": integer,
  "playlistType": enum,
  "streamSelection": {
    "streamOrder": enum,
    "maxVideoBitsPerSecond": integer,
    "minVideoBitsPerSecond": integer
  },
  "includeIframeOnlyStream": boolean
Schemas

```
"mssPackage": {
    "manifestWindowSeconds": integer,
    "segmentDurationSeconds": integer,
    "encryption": {
        "spekeKeyProvider": {
            "resourceId": "string",
            "certificateArn": "string",
            "systemIds": ["string"],
            "roleArn": "string",
            "url": "string"
        }
    },
    "streamSelection": {
        "streamOrder": enum,
        "maxVideoBitsPerSecond": integer,
        "minVideoBitsPerSecond": integer
    }
}
```

Response Bodies

Example OriginEndpoint

```
{
    "startoverWindowSeconds": integer,
    "manifestName": "string",
    "description": "string",
    "dashPackage": {
        "manifestWindowSeconds": integer,
        "minBufferTimeSeconds": integer,
        "segmentDurationSeconds": integer,
        "encryption": {
            "keyRotationIntervalSeconds": integer,
            "spekeKeyProvider": {
                "resourceId": "string",
                "certificateArn": "string",
                "systemIds": ["string"],
                "roleArn": "string",
                "url": "string"
            }
        },
        "profile": enum,
        "manifestLayout": enum,
        "segmentTemplateFormat": enum,
        "streamSelection": {
            "streamOrder": enum,
            "maxVideoBitsPerSecond": integer,
            "minVideoBitsPerSecond": integer
        },
        "periodTriggers": [enum
        ],
        "minUpdatePeriodSeconds": integer,
        "suggestedPresentationDelaySeconds": integer
    },
    "whitelist": ["string"
    ]
}
```
"cmafPackage": {
  "segmentDurationSeconds": integer,
  "encryption": {
    "keyRotationIntervalSeconds": integer,
    "spekeKeyProvider": {
      "resourceId": "string",
      "certificateArn": "string",
      "systemIds": [
        "string"
      ],
      "roleArn": "string",
      "url": "string"
    }},
  "hlsManifests": [
    {
      "adMarkers": enum,
      "playlistWindowSeconds": integer,
      "manifestName": "string",
      "programDateTimeIntervalSeconds": integer,
      "playlistType": enum,
      "id": "string",
      "includeIframeOnlyStream": boolean,
      "url": "string"
    }
  ],
  "streamSelection": {
    "streamOrder": enum,
    "maxVideoBitsPerSecond": integer,
    "minVideoBitsPerSecond": integer
  },
  "segmentPrefix": "string"
},
"hlsPackage": {
  "useAudioRenditionGroup": boolean,
  "segmentDurationSeconds": integer,
  "adMarkers": enum,
  "encryption": {
    "repeatExtXKey": boolean,
    "constantInitializationVector": "string",
    "keyRotationIntervalSeconds": integer,
    "encryptionMethod": enum,
    "spekeKeyProvider": {
      "resourceId": "string",
      "certificateArn": "string",
      "systemIds": [
        "string"
      ],
      "roleArn": "string",
      "url": "string"
    },
    "playlistWindowSeconds": integer,
    "programDateTimeIntervalSeconds": integer,
    "playlistType": enum,
    "streamSelection": {
      "streamOrder": enum,
      "maxVideoBitsPerSecond": integer,
      "minVideoBitsPerSecond": integer
    },
    "includeIframeOnlyStream": boolean
  },
  "url": "string",
  "tags": {
  },
  "timeDelaySeconds": integer,
"id": "string",
"arn": "string",
"channelId": "string",
"mssPackage": {
    "manifestWindowSeconds": integer,
    "segmentDurationSeconds": integer,
    "encryption": {
        "spekeKeyProvider": {
            "resourceId": "string",
            "certificateArn": "string",
            "systemIds": [
                "string"
            ],
            "roleArn": "string",
            "url": "string"
        }
    },
    "streamSelection": {
        "streamOrder": enum,
        "maxVideoBitsPerSecond": integer,
        "minVideoBitsPerSecond": integer
    }
}
}

Properties

CmafEncryption

Holds encryption information so that access to the content can be controlled by a DRM solution.

keyRotationIntervalSeconds

Number of seconds before AWS Elemental MediaPackage rotates to a new key. By default, rotation is set to 60 seconds. Set to 0 to disable key rotation.

Type: integer
Required: False

spekeKeyProvider

Parameters for the SPEKE key provider.

Type: SpekeKeyProvider (p. 73)
Required: True

CmafPackage

Parameters for Common Media Application Format (CMAF) packaging.

segmentDurationSeconds

Duration (in seconds) of each segment. Actual segments are rounded to the nearest multiple of the source segment duration.

Type: integer
Required: False
encryption
Parameters for encrypting content.

Type: CmafEncryption (p. 60)
Required: False

hlsManifests
A list of HLS manifest configurations available from this endpoint.

Type: Array of type HlsManifest (p. 65)
Required: False

streamSelection
Limitations for outputs from the endpoint, based on the video bitrate.

Type: StreamSelection (p. 74)
Required: False

segmentPrefix
An optional custom string that is prepended to the name of each segment. If not specified, the segment prefix defaults to the ChannelId.

Type: string
Required: False

CmafPackageCreateOrUpdateParameters
Parameters for creating an endpoint that supports Common Media Application Format (CMAF) packaging.

segmentDurationSeconds
Duration (in seconds) of each segment. Actual segments are rounded to the nearest multiple of the source segment duration.

Type: integer
Required: False

encryption
Parameters for encrypting content.

Type: CmafEncryption (p. 60)
Required: False

hlsManifests
A list of HLS manifest configurations available from this endpoint.

Type: Array of type HlsManifestCreateOrUpdateParameters (p. 66)
**streamSelection**

Limitations for outputs from the endpoint, based on the video bitrate.

- **Type:** StreamSelection (p. 74)
- **Required:** False

**segmentPrefix**

An optional custom string that is prepended to the name of each segment. If not specified, the segment prefix defaults to the ChannelId.

- **Type:** string
- **Required:** False

**DashEncryption**

Holds encryption information so that access to the content can be controlled by a DRM solution.

**keyRotationIntervalSeconds**

Number of seconds before AWS Elemental MediaPackage rotates to a new key. By default, rotation is set to 60 seconds. Set to 0 to disable key rotation.

- **Type:** integer
- **Required:** False

**spekeKeyProvider**

Parameters for the SPEKE key provider.

- **Type:** SpekeKeyProvider (p. 73)
- **Required:** True

**DashPackage**

Parameters for DASH packaging.

**manifestWindowSeconds**

Time window (in seconds) contained in each manifest.

- **Type:** integer
- **Required:** False

**minBufferTimeSeconds**

Minimum amount of content (measured in seconds) that a player must keep available in the buffer.

- **Type:** integer
- **Required:** False
segmentDurationSeconds
Duration (in seconds) of each fragment. Actual fragments are rounded to the nearest multiple of the source fragment duration.

**Type:** integer  
**Required:** False

encryption
Parameters for encrypting content.

**Type:** DashEncryption (p. 62)  
**Required:** False

profile
DASH profile for the output, such as HbbTV.

Valid values:

- **NONE** - the output doesn't use a DASH profile.  
- **HBBTV_1_5** - the output is HbbTV-compliant.

**Type:** string  
**Required:** False  
**Values:** NONE | HBBTV_1_5

manifestLayout
Determines the position of some tags in the manifest.

Options:

- **FULL** - elements like SegmentTemplate and ContentProtection are included in each Representation.  
- **COMPACT** - duplicate elements are combined and presented at the AdaptationSet level.

**Type:** string  
**Required:** False  
**Values:** FULL | COMPACT

segmentTemplateFormat
Determines the type of variable used in the media URL of the SegmentTemplate tag in the manifest.

- **NUMBER_WITH_TIMELINE** - The $Number$ variable is used in the media URL. The value of this variable is the sequential number of the segment.  
- **TIME_WITH_TIMELINE** - The $Time$ variable is used in the media URL. The value of this variable is the timestamp of when the segment starts.

**Type:** string  
**Required:** False
Values: NUMBER_WITH_TIMELINE | TIME_WITH_TIMELINE

streamSelection
Limitations for outputs from the endpoint, based on the video bitrate.

Type: StreamSelection (p. 74)
Required: False

periodTriggers
A list of triggers that controls when AWS Elemental MediaPackage separates the MPEG-DASH manifest into multiple periods. Type ADS to indicate that AWS Elemental MediaPackage must create periods in the output manifest that correspond to SCTE-35 ad markers in the input source. Leave this value empty to indicate that the manifest is contained all in one period. For more information about periods in the DASH manifest, see Multi-period DASH in AWS Elemental MediaPackage.

Type: Array of type string
Required: False
Values: ADS

minUpdatePeriodSeconds
Minimum amount of time (in seconds) that the player should wait before requesting updates to the manifest.

Type: integer
Required: False

suggestedPresentationDelaySeconds
Amount of time (in seconds) that the player should be from the live point at the end of the manifest.

Type: integer
Required: False

HlsEncryption
Holds encryption information so that access to the content can be controlled by a DRM solution.

repeatExtXKey
Repeat the EXT-X-KEY directive for every media segment. This might result in an increase in client requests to the DRM server.

Type: boolean
Required: False

constantInitializationVector
A 128-bit, 16-byte hex value represented by a 32-character string, used in conjunction with the key for encrypting blocks.

Type: string
Required: False
**keyRotationIntervalSeconds**

Number of seconds before AWS Elemental MediaPackage rotates to a new key. By default, rotation is set to 60 seconds. Set to 0 to disable key rotation.

*Type*: integer  
*Required*: False

**encryptionMethod**

HLS encryption type.

*Type*: string  
*Required*: False

*Values*: AES_128 | SAMPLE_AES

**spekeKeyProvider**

Parameters for the SPEKE key provider.

*Type*: SpekeKeyProvider (p. 73)  
*Required*: True

**HlsManifest**

A HTTP Live Streaming (HLS) manifest configuration on a CMAF endpoint.

**adMarkers**

Controls how ad markers are included in the packaged endpoint. Valid values are none, passthrough, or scte35_enhanced.

- **NONE** - omits all SCTE-35 ad markers from the output.
- **PASSTHROUGH** - creates a copy in the output of the SCTE-35 ad markers (comments) taken directly from the input manifest.
- **SCTE35_ENHANCED** - generates ad markers and blackout tags in the output based on the SCTE-35 messages from the input manifest.

*Type*: string  
*Required*: False

*Values*: NONE | SCTE35_ENHANCED | PASSTHROUGH

**playlistWindowSeconds**

Time window (in seconds) contained in each parent manifest.

*Type*: integer  
*Required*: False

**manifestName**

A short string that’s appended to the end of the endpoint URL to create a unique path to this endpoint. The manifestName on the HlsManifest object overrides the manifestName you provided on the originEndpoint object.
Properties

Type: string
Required: False

programDateTimeIntervalSeconds

Inserts EXT-X-PROGRAM-DATE-TIME tags in the output manifest at the interval that you specify. Additionally, ID3Timed metadata messages are generated every 5 seconds starting when the content was ingested.

Irrespective of this parameter, if any ID3Timed metadata is in the HLS input, it is passed through to the HLS output.

Omit this attribute or enter 0 to indicate that the EXT-X-PROGRAM-DATE-TIME tags are not included in the manifest.

  Type: integer
  Required: False

playlistType

When specified as either event or vod, a corresponding EXT-X-PLAYLIST-TYPE entry is included in the media playlist. Indicates if the playlist is live to VOD content.

  Type: string
  Required: False
  Values: NONE | EVENT | VOD

id

The manifest ID is required and must be unique within the OriginEndpoint. The ID can't be changed after the endpoint is created.

  Type: string
  Required: True

includeIframeOnlyStream

Applies to stream sets with a single video track only. When true, the stream set includes an additional I-frame only stream, along with the other tracks. If false, this extra stream is not included.

  Type: boolean
  Required: False

url

The URL that's used to request this manifest from this endpoint.

  Type: string
  Required: False

HlsManifestCreateOrUpdateParameters

Parameters for creating an HTTP Live Streaming (HLS) manifest configuration on a CMAF endpoint.
adMarkers

Controls how ad markers are included in the packaged endpoint. Valid values are none, passthrough, or scte35_enhanced.

- **NONE** - omits all SCTE-35 ad markers from the output.
- **PASSTHROUGH** - creates a copy in the output of the SCTE-35 ad markers (comments) taken directly from the input manifest.
- **SCTE35_ENHANCED** - generates ad markers and blackout tags in the output based on the SCTE-35 messages from the input manifest.

**Type:** string  
**Required:** False  
**Values:** NONE | SCTE35_ENHANCED | PASSTHROUGH

playlistWindowSeconds

Time window (in seconds) contained in each parent manifest.

**Type:** integer  
**Required:** False

manifestName

A short string that's appended to the end of the endpoint URL to create a unique path to this endpoint. The manifestName on the HLSManifest object overrides the manifestName you provided on the originEndpoint object.

**Type:** string  
**Required:** False

programDateTimeIntervalSeconds

Inserts EXT-X-PROGRAM-DATE-TIME tags in the output manifest at the interval that you specify. Additionally, ID3Timed metadata messages are generated every 5 seconds starting when the content was ingested.

Irrespective of this parameter, if any ID3Timed metadata is in the HLS input, it is passed through to the HLS output.

Omit this attribute or enter 0 to indicate that the EXT-X-PROGRAM-DATE-TIME tags are not included in the manifest.

**Type:** integer  
**Required:** False

playlistType

When specified as either event or vod, a corresponding EXT-X-PLAYLIST-TYPE entry is included in the media playlist. Indicates if the playlist is live to VOD content.

**Type:** string  
**Required:** False  
**Values:** NONE | EVENT | VOD
id
The manifest ID is required and must be unique within the OriginEndpoint. The ID can't be changed after
the endpoint is created.

    Type: string
    Required: True

includeIframeOnlyStream
Applies to stream sets with a single video track only. When true, the stream set includes an additional I-
frame only stream, along with the other tracks. If false, this extra stream is not included.

    Type: boolean
    Required: False

HlsPackage
Parameters for Apple HLS packaging.

useAudioRenditionGroup
When true, AWS Elemental MediaPackage bundles all audio tracks in a rendition group. All other tracks
in the stream can be used with any audio rendition from the group.

    Type: boolean
    Required: False

segmentDurationSeconds
Duration (in seconds) of each fragment. Actual fragments are rounded to the nearest multiple of the
source fragment duration.

    Type: integer
    Required: False

adMarkers
Controls how ad markers are included in the packaged endpoint. Valid values are none, passthrough,
or scte35_enhanced.

    • **NONE** - omits all SCTE-35 ad markers from the output.
    • **PASSTHROUGH** - creates a copy in the output of the SCTE-35 ad markers (comments) taken directly
      from the input manifest.
    • **SCTE35_ENHANCED** - generates ad markers and blackout tags in the output based on the SCTE-35
      messages from the input manifest.

    Type: string
    Required: False
    Values: NONE | SCTE35_ENHANCED | PASSTHROUGH

encryption
Parameters for encrypting content.
**playlistWindowSeconds**
Time window (in seconds) contained in each parent manifest.

- **Type**: integer
- **Required**: False

**programDateTimeIntervalSeconds**
Inserts EXT-X-PROGRAM-DATE-TIME tags in the output manifest at the interval that you specify. Additionally, ID3Timed metadata messages are generated every 5 seconds starting when the content was ingested.

Irrespective of this parameter, if any ID3Timed metadata is in the HLS input, it is passed through to the HLS output.

Omit this attribute or enter 0 to indicate that the EXT-X-PROGRAM-DATE-TIME tags are not included in the manifest.

- **Type**: integer
- **Required**: False

**playlistType**
When specified as either **event** or **vod**, a corresponding EXT-X-PLAYLIST-TYPE entry is included in the media playlist. Indicates if the playlist is live to VOD content.

- **Type**: string
- **Required**: False
- **Values**: NONE | EVENT | VOD

**streamSelection**
Limitations for outputs from the endpoint, based on the video bitrate.

- **Type**: StreamSelection (p. 74)
- **Required**: False

**includeIframeOnlyStream**
Only applies to stream sets with a single video track. When true, the stream set includes an additional I-frame only stream, along with the other tracks. If false, this extra stream is not included.

- **Type**: boolean
- **Required**: False

**MssEncryption**
Holds encryption information so that access to the content can be controlled by a DRM solution.

**spekeKeyProvider**
Parameters for the SPEKE key provider.
Properties

**Type**: SpekeKeyProvider (p. 73)
**Required**: True

---

**MssPackage**

Parameters for Microsoft Smooth Streaming packaging.

**manifestWindowSeconds**

Time window (in seconds) contained in each manifest.

- **Type**: integer
- **Required**: False

**segmentDurationSeconds**

Duration (in seconds) of each fragment. Actual fragments are rounded to the nearest multiple of the source fragment duration.

- **Type**: integer
- **Required**: False

**encryption**

Parameters for encrypting content.

- **Type**: MssEncryption (p. 69)
- **Required**: False

**streamSelection**

Limitations for outputs from the endpoint, based on the video bitrate.

- **Type**: StreamSelection (p. 74)
- **Required**: False

---

**OriginEndpoint**

OriginEndpoint configuration.

**startoverWindowSeconds**

Maximum duration (seconds) of content to retain for startover playback. A 0 indicates that startover playback is disabled for this endpoint.

- **Type**: integer
- **Required**: False

**manifestName**

A short string that's appended to the end of the endpoint URL to create a unique path to this endpoint.

- **Type**: string
- **Required**: False
description
Any descriptive information that you want to add to the endpoint for future identification purposes.

Type: string
Required: False

dashPackage
Parameters for DASH packaging.

Type: DashPackage (p. 62)
Required: False

whitelist
The IP addresses that can access this endpoint.

Type: Array of type string
Required: False

cmafPackage
Parameters for CMAF packaging.

Type: CmafPackage (p. 60)
Required: False

hlsPackage
Parameters for Apple HLS packaging.

Type: HlsPackage (p. 68)
Required: False

url
The URL that’s used to request content from this endpoint.

Type: string
Required: False

tags
The tags assigned to the endpoint.

Type: Tags (p. 75)
Required: False

timeDelaySeconds
Minimum duration (seconds) of delay to enforce on the playback of live content. A 0 indicates that there is no time delay in effect for this endpoint.

Type: integer
Properties

Required: False

**id**

The endpoint identifier.

*Type:* string  
*Required:* False

**arn**

The endpoint's unique system-generated resource name, based on the AWS record.

*Type:* string  
*Required:* False

**channelId**

The ID of the channel associated with this endpoint.

*Type:* string  
*Required:* False

**mssPackage**

Parameters for Microsoft Smooth Streaming packaging.

*Type:* [MssPackage](#)  
*Required:* False

### OriginEndpointUpdateParameters

OriginEndpoint configuration

**startoverWindowSeconds**

Maximum duration (seconds) of content to retain for startover playback. Enter 0 to indicate that startover playback is disabled for this endpoint.

*Type:* integer  
*Required:* False

**timeDelaySeconds**

Minimum duration (seconds) of delay to enforce on the playback of live content. Enter 0 to indicate that there is no time delay in effect for this endpoint.

*Type:* integer  
*Required:* False

**manifestName**

A short string that's appended to the end of the endpoint URL to create a unique path to this endpoint.
**Type**: string  
**Required**: False

**description**

Any descriptive information that you want to add to the endpoint for future identification purposes.

**Type**: string  
**Required**: False

**dashPackage**

Parameters for DASH packaging.

**Type**: DashPackage (p. 62)  
**Required**: False

**whitelist**

The IP addresses that can access this endpoint.

**Type**: Array of type string  
**Required**: False

**cmafPackage**

Parameters for CMAF packaging.

**Type**: CmafPackageCreateOrUpdateParameters (p. 61)  
**Required**: False

**hlsPackage**

Parameters for Apple HLS packaging.

**Type**: HlsPackage (p. 68)  
**Required**: False

**mssPackage**

Parameters for Microsoft Smooth Streaming packaging.

**Type**: MssPackage (p. 70)  
**Required**: False

**SpekeKeyProvider**

Keyprovider settings for DRM.

**resourceId**

Unique identifier for this endpoint, as it is configured in the key provider service.

**Type**: string
**Properties**

**certificateArn**

The Amazon Resource Name (ARN) for the certificate that you imported to AWS Certificate Manager to add content key encryption to this endpoint. For this feature to work, your DRM key provider must support content key encryption.

- **Type:** string
- **Required:** False

**systemIds**

List of unique identifiers for the DRM systems to use, as defined in the CPIX specification.

- **Type:** Array of type string
- **Required:** True

**roleArn**

The ARN for the IAM role granted by the key provider that provides access to the key provider API. This role must have a trust policy that allows AWS Elemental MediaPackage to assume the role, and it must have a sufficient permissions policy to allow access to the specific key retrieval URL. Valid format: arn:aws:iam::{accountID}:role/{name}

- **Type:** string
- **Required:** True

**url**

URL for the key provider’s key retrieval API endpoint. Must start with https://.

- **Type:** string
- **Required:** True

**StreamSelection**

Limitations for outputs from the endpoint, based on the video bitrate.

**streamOrder**

Order in which the different video bitrates are presented to the player.

- **Type:** string
- **Required:** False
- **Values:** ORIGINAL | VIDEO_BITRATE_ASCENDING | VIDEO_BITRATE_DESCENDING

**maxVideoBitsPerSecond**

The upper limit of the bitrates that this endpoint serves. If the video track exceeds this threshold, then AWS Elemental MediaPackage excludes it from output. If you don’t specify a value, it defaults to 2147483647 bits per second.

- **Type:** integer
- **Required:** False
minVideoBitsPerSecond

The lower limit of the bitrates that this endpoint serves. If the video track is below this threshold, then AWS Elemental MediaPackage excludes it from output. If you don’t specify a value, it defaults to 0 bits per second.

Type: integer
Required: False

Tags

A collection of tags associated with a resource.

- Property: "key1": "value1"
- Type: string
- Required: True
- Description: A comma-separated list of tag key:value pairs that you define. For example:

```
{
   "Key1": "Value1",
   "Key2": "Value2"
}
```

key-value pairs

Type: string

See Also

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

**DescribeOriginEndpoint**

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Go - Pilot
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

**UpdateOriginEndpoint**

- AWS Command Line Interface
- AWS SDK for .NET
Tags resource-arn

Manage tags for AWS Elemental MediaPackage channels and endpoints. Tags are key-value pairs that you can associate with Amazon resources. MediaPackage offers tagging support for channel and endpoint resources. For information about tagging, see Tagging Resources in AWS Elemental MediaPackage.

URI

/tags/resource-arn

HTTP Methods

GET

Operation ID: ListTagsForResource

Returns a list of the tags assigned to the specified resource (either a channel or endpoint).

Path Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>resource-arn</td>
<td>String</td>
<td>True</td>
<td>The Amazon Resource Name (ARN) for the channel or endpoint. You can get this from</td>
</tr>
</tbody>
</table>
HTTP Methods

### POST

**Operation ID: TagResource**

Adds tags to the specified channel or endpoint resource. You can specify one or more tags to add.

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>resource-arn</td>
<td>String</td>
<td>True</td>
<td>The Amazon Resource Name (ARN) for the channel or endpoint. You can get this from the response to any request to the resource.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>tagsModel (p. 78)</td>
<td>200 OK response. The list of tags is returned successfully.</td>
</tr>
</tbody>
</table>

### DELETE

**Operation ID: UntagResource**

Removes tags from the specified channel or endpoint resource. You can specify one or more tags to remove.

**Path Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>resource-arn</td>
<td>String</td>
<td>True</td>
<td>The Amazon Resource Name (ARN) for the channel or endpoint. You can get this from the response to any request to the resource.</td>
</tr>
</tbody>
</table>

**Responses**

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Response Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>None</td>
<td>The request was successful. There is no content in the response.</td>
</tr>
</tbody>
</table>

---

The list of tags is returned successfully.
### Schemas

#### Request Bodies

**Example POST**

```json
{
  "tags": {
  }
}
```

#### Response Bodies

**Example tagsModel**

```json
{
  "tags": {
  }
}
```

#### Properties

**tagsModel**

- **tags**
  
  The key:value pairs used in a tag.

  A comma-separated list of tag key:value pairs. For example:
See Also

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

**ListTagsForResource**

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Go - Pilot
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

**TagResource**

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Go - Pilot
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

**UntagResource**

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Go - Pilot
- AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V2
## Document History

The following table describes important changes to this documentation.

- **API version: latest**

<table>
<thead>
<tr>
<th>Change</th>
<th>Description</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Tagging release</td>
<td>Document how to add tags to resources.</td>
<td>March 4, 2019</td>
</tr>
<tr>
<td>DASH compact manifest and segment template format release</td>
<td>Document how to create a compacted manifest or change the format of the segmentTemplate information.</td>
<td>February 6, 2019</td>
</tr>
<tr>
<td>SPEKE content encryption release</td>
<td>Document the certificateARN that's required if you're using content key encryption with SPEKE.</td>
<td>November 8, 2018</td>
</tr>
<tr>
<td>Input redundancy release</td>
<td>Document rotating credentials for both ingest endpoints.</td>
<td>August 28, 2018</td>
</tr>
<tr>
<td>Correct resource URIs</td>
<td>Throughout the document, removed &quot;prod/&quot; from URIs.</td>
<td>July 24, 2018</td>
</tr>
<tr>
<td>Multi-period DASH release</td>
<td>Document how to create multiple periods in a DASH manifest.</td>
<td>July 18, 2018</td>
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<tr>
<td>CMAF endpoint release</td>
<td>Document how to create a Common Media Application Format (CMAF) endpoint.</td>
<td>May 3, 2018</td>
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<tr>
<td>New AWS Elemental MediaPackage service release</td>
<td>Initial documentation for the MediaPackage service.</td>
<td>November 27, 2017</td>
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</table>
AWS Glossary

For the latest AWS terminology, see the AWS Glossary in the AWS General Reference.