
AWS Elemental MediaPackage

Live API Reference



AWS Elemental MediaPackage: Live API Reference

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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](#).

Resources

The AWS Elemental MediaPackage REST API includes the following resources.

Topics

- [Channels](#) (p. 2)
- [Channels id](#) (p. 9)
- [Channels id Credentials](#) (p. 16)
- [Channels id Ingest_endpoints ingest_endpoint_id Credentials](#) (p. 20)
- [Harvest_jobs](#) (p. 25)
- [Harvest_jobs id](#) (p. 32)
- [Origin_endpoints](#) (p. 36)
- [Origin_endpoints id](#) (p. 64)
- [Tags resource-arn](#) (p. 90)

Channels

URI

/channels

HTTP Methods

GET

Operation ID: ListChannels

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

Query Parameters

Name	Type	Required	Description
nextToken	String	False	Pagination token from the GET list request. Use the token to fetch the next page of results.
maxResults	String	False	Upper bound on number of records to return.

Responses

Status Code	Response Model	Description
200	ChannelList (p. 5)	200 OK response

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

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.

Responses

Status Code	Response Model	Description
200	Channel (p. 5)	200 OK response The channel is created successfully.
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

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

A collection of Channel records.

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 \(p. 7\)](#)
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:

ListChannels

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

Path Parameters

Name	Type	Required	Description
<i>id</i>	String	True	Identifier for the object that you are working on.

Responses

Status Code	Response Model	Description
200	Channel (p. 13)	200 OK response Channel details are returned successfully.
403	None	403 Forbidden response AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials.
404	None	404 Not Found response

Status Code	Response Model	Description
422	None	<p>AWS Elemental MediaPackage did not find a representation of the target resource.</p> <p>422 Unprocessable Entity response</p>
429	None	<p>AWS Elemental MediaPackage could not process the instructions in the body of the request.</p> <p>429 Too Many Requests response</p> <p>Too many requests have been sent in a given amount of time.</p>
500	None	<p>500 Internal Server Error response</p> <p>An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.</p>
503	None	<p>Service unavailable response</p> <p>AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance.</p>

PUT

Operation ID: UpdateChannel

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

Path Parameters

Name	Type	Required	Description
<code>id</code>	String	True	Identifier for the object that you are working on.

Responses

Status Code	Response Model	Description
200	Channel (p. 13)	200 OK response

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

DELETE

Operation ID: DeleteChannel

Permanently deletes a channel.

Path Parameters

Name	Type	Required	Description
<i>id</i>	String	True	Identifier for the object that you are working on.

Responses

Status Code	Response Model	Description
202	None	202 Accepted response AWS Elemental MediaPackage accepted the request but has not processed it yet.
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

Status Code	Response Model	Description
		a temporary overload or maintenance.

Schemas

Request Bodies

Example PUT

```
{
  "description": "string"
}
```

Response Bodies

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 \(p. 14\)](#)

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 \(p. 15\)](#)

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 \(p. 14\)](#)

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

DeleteChannel

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

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

Name	Type	Required	Description
<i>id</i>	String	True	Identifier for the object that you are working on.

Responses

Status Code	Response Model	Description
200	Channel (p. 18)	200 OK response New WebDAV credentials are generated successfully.
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

Status Code	Response Model	Description
		request, usually because of a temporary overload or maintenance.

Schemas

Response Bodies

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. 19)

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 \(p. 19\)](#)
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:

RotateChannelCredentials

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

Name	Type	Required	Description
<i>ingest_endpoint_id</i>	String	True	The ID of the IngestEndpoint whose credentials you're rotating.
<i>id</i>	String	True	Identifier for the object that you are working on.

Responses

Status Code	Response Model	Description
200	Channel (p. 22)	200 OK response The channel is updated successfully.
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

Status Code	Response Model	Description
503	None	<p>An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.</p> <p>Service unavailable response</p> <p>AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance.</p>

Schemas

Response Bodies

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 \(p. 23\)](#)

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 \(p. 24\)](#)

Required: False

HlsIngest

HLS ingest configuration.

ingestEndpoints

The input URL where the source stream should be sent.

Type: Array of type [IngestEndpoint \(p. 23\)](#)

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:

RotateIngestEndpointCredentials

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

Harvest_jobs

HarvestJobs provide details about the video on demand (VOD) assets that you want to harvest, or extract, from live content streams.

URI

/harvest_jobs

HTTP Methods

GET

Operation ID: ListHarvestJobs

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

Query Parameters

Name	Type	Required	Description
includeStatus	String	False	Limits results to harvestJobs with the given status. Valid values are IN_PROGRESS, SUCCEEDED, and FAILED.
nextToken	String	False	Pagination token from the GET list request. Use the token to fetch the next page of results.
maxResults	String	False	Upper bound on number of records to return.
includeChannelId	String	False	Limits results to harvestJobs associated with the given channel ID.

Responses

Status Code	Response Model	Description
200	HarvestJobList (p. 28)	200 OK response The list of harvestJobs is returned successfully.
403	None	403 Forbidden response AWS Elemental MediaPackage cannot authorize the request,

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

POST

Operation ID: CreateHarvestJob

Creates a harvestJob to extract a video on demand (VOD) clip from the live stream.

Responses

Status Code	Response Model	Description
200	HarvestJob (p. 28)	200 OK response The harvestJob is created successfully.
403	None	403 Forbidden response

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

Schemas

Request Bodies

Example POST

```
{
  "s3Destination": {
    "bucketName": "string",
    "manifestKey": "string",
    "roleArn": "string"
  },
  "startTime": "string",
  "endTime": "string",
}
```

```
"id": "string",  
"originEndpointId": "string"  
}
```

Response Bodies

Example HarvestJobList

```
{  
  "harvestJobs": [  
    {  
      "createdAt": "string",  
      "s3Destination": {  
        "bucketName": "string",  
        "manifestKey": "string",  
        "roleArn": "string"  
      },  
      "startTime": "string",  
      "endTime": "string",  
      "id": "string",  
      "originEndpointId": "string",  
      "arn": "string",  
      "channelId": "string",  
      "status": enum  
    }  
  ],  
  "nextToken": "string"  
}
```

Example HarvestJob

```
{  
  "createdAt": "string",  
  "s3Destination": {  
    "bucketName": "string",  
    "manifestKey": "string",  
    "roleArn": "string"  
  },  
  "startTime": "string",  
  "endTime": "string",  
  "id": "string",  
  "originEndpointId": "string",  
  "arn": "string",  
  "channelId": "string",  
  "status": enum  
}
```

Properties

HarvestJob

HarvestJob configuration.

createdAt

The time the HarvestJob was submitted

Type: string

Required: False

s3Destination

Parameters that define how MediaPackage accesses and saves the harvested asset to your Amazon S3 bucket.

Type: [S3Destination \(p. 31\)](#)

Required: False

startTime

The start time of the window for the live-to-VOD asset.

Type: string

Required: False

endTime

The end time of the window for the live-to-VOD asset.

Type: string

Required: False

id

Unique identifier for this harvestJob. The identifier can't be changed after the harvestJob is created.

Type: string

Required: False

originEndpointId

The endpoint that MediaPackage harvests the live-to-VOD asset from.

Type: string

Required: False

arn

The Amazon Resource Name (ARN) that MediaPackage assigns to the harvestJob.

Type: string

Required: False

channelId

The ID of the Channel that the HarvestJob will harvest from.

Type: string

Required: False

status

The current status of the harvestJob.

We recommend that you configure a CloudWatch Event to notify you as harvestJobs complete or fail. For any failures, the CloudWatch Event explains why the harvestJob failed. For more information about CloudWatch Events, see [Monitoring AWS Elemental MediaPackage with Amazon CloudWatch Events](#).

Type: string
Required: False
Values: IN_PROGRESS | SUCCEEDED | FAILED

HarvestJobCreateParameters

HarvestJob configuration.

s3Destination

Parameters that define how MediaPackage accesses and saves the harvested asset to your Amazon S3 bucket.

Type: [S3Destination \(p. 31\)](#)
Required: True

startTime

The start time of the window for the live-to-VOD asset. This time must be at the same time or after the live event started, and must be within the startover window on the endpoint. If the endpoint has a startover window of five hours and the asset's start time is six hours ago, the harvestJob fails.

Type: string
Required: True

endTime

The end time of the window for the live-to-VOD asset. The length of the asset can't exceed the startover window on the endpoint. If the startover window is five hours, the asset's end time can't be more than five hours from the asset's start time.

Type: string
Required: True

id

Unique identifier for this harvestJob. The identifier can't be changed after the harvestJob is created.

Type: string
Required: True

originEndpointId

The endpoint that MediaPackage harvests the live-to-VOD asset from.

Type: string
Required: True

HarvestJobList

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

harvestJobs

List of harvestJobs that you created on this account. MediaPackage runs each harvestJob only once. After that, MediaPackage keeps a record of the job on your account for 90 days, for reference purposes only.

Type: Array of type [HarvestJob \(p. 28\)](#)

Required: False

nextToken

Pagination token from the GET list request. Use the token to fetch the next page of results.

Type: string

Required: False

S3Destination

Defines how and where MediaPackage saves the live-to-VOD asset after it's been harvested from the live stream.

bucketName

The name of the Amazon S3 bucket where MediaPackage stores the live-to-VOD asset.

Type: string

Required: True

manifestKey

The path within the S3 bucket where MediaPackage stores the parent manifest of the harvested asset.

Type: string

Required: True

roleArn

The Amazon Resource Name (ARN) for the IAM role that provides MediaPackage access to read and write to the Amazon S3 bucket where the harvested live-to-VOD asset is stored. For more information about this role, see [Allowing AWS Elemental MediaPackage to Access Amazon S3](#).

Type: string

Required: True

See Also

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

ListHarvestJobs

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

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

CreateHarvestJob

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

Harvest_jobs id

HarvestJobs provide details about the video on demand (VOD) assets that you harvested, or extracted, from live content streams.

URI

/harvest_jobs/*id*

HTTP Methods

GET

Operation ID: DescribeHarvestJob

Provides details about a harvestJob.

Path Parameters

Name	Type	Required	Description
<i>id</i>	String	True	Identifier for the object that you are working on.

Responses

Status Code	Response Model	Description
200	HarvestJob (p. 33)	200 OK response

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

Schemas

Response Bodies

Example HarvestJob

```
{  
  "createdAt": "string",  
  "s3Destination": {
```

```
"bucketName": "string",
"manifestKey": "string",
"roleArn": "string"
},
"startTime": "string",
"endTime": "string",
"id": "string",
"originEndpointId": "string",
"arn": "string",
"channelId": "string",
"status": enum
}
```

Properties

HarvestJob

HarvestJob configuration.

createdAt

The time the HarvestJob was submitted

Type: string

Required: False

s3Destination

Parameters that define how MediaPackage accesses and saves the harvested asset to your Amazon S3 bucket.

Type: [S3Destination](#) (p. 35)

Required: False

startTime

The start time of the window for the live-to-VOD asset.

Type: string

Required: False

endTime

The end time of the window for the live-to-VOD asset.

Type: string

Required: False

id

Unique identifier for this harvestJob. The identifier can't be changed after the harvestJob is created.

Type: string

Required: False

originEndpointId

The endpoint that MediaPackage harvests the live-to-VOD asset from.

Type: string

Required: False

arn

The Amazon Resource Name (ARN) that MediaPackage assigns to the harvestJob.

Type: string

Required: False

channelId

The ID of the Channel that the HarvestJob will harvest from.

Type: string

Required: False

status

The current status of the harvestJob.

We recommend that you configure a CloudWatch Event to notify you as harvestJobs complete or fail. For any failures, the CloudWatch Event explains why the harvestJob failed. For more information about CloudWatch Events, see [Monitoring AWS Elemental MediaPackage with Amazon CloudWatch Events](#).

Type: string

Required: False

Values: IN_PROGRESS | SUCCEEDED | FAILED

S3Destination

Defines how and where MediaPackage saves the live-to-VOD asset after it's been harvested from the live stream.

bucketName

The name of the Amazon S3 bucket where MediaPackage stores the live-to-VOD asset.

Type: string

Required: True

manifestKey

The path within the S3 bucket where MediaPackage stores the parent manifest of the harvested asset.

Type: string

Required: True

roleArn

The Amazon Resource Name (ARN) for the IAM role that provides MediaPackage access to read and write to the Amazon S3 bucket where the harvested live-to-VOD asset is stored. For more information about this role, see [Allowing AWS Elemental MediaPackage to Access Amazon S3](#).

Type: string

Required: True

See Also

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

DescribeHarvestJob

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

Query Parameters

Name	Type	Required	Description
nextToken	String	False	Pagination token from the GET list request. Use the token to fetch the next page of results.
maxResults	String	False	Upper bound on number of records to return.

Name	Type	Required	Description
channelId	String	False	Limits results to endpoints associated with the given channel ID.

Responses

Status Code	Response Model	Description
200	OriginEndpointList (p. 41)	200 OK response The list of endpoints is returned successfully.
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.

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.

Responses

Status Code	Response Model	Description
200	OriginEndpoint (p. 43)	200 OK response The endpoint is created successfully.
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

Status Code	Response Model	Description
		AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance.

Schemas

Request Bodies

Example POST

```
{
  "startoverWindowSeconds": integer,
  "manifestName": "string",
  "description": "string",
  "dashPackage": {
    "manifestWindowSeconds": integer,
    "segmentDurationSeconds": integer,
    "profile": enum,
    "manifestLayout": enum,
    "segmentTemplateFormat": enum,
    "minUpdatePeriodSeconds": integer,
    "minBufferTimeSeconds": integer,
    "encryption": {
      "keyRotationIntervalSeconds": integer,
      "spekeKeyProvider": {
        "resourceId": "string",
        "certificateArn": "string",
        "systemIds": [
          "string"
        ],
        "roleArn": "string",
        "url": "string"
      }
    }
  },
  "streamSelection": {
    "streamOrder": enum,
    "maxVideoBitsPerSecond": integer,
    "minVideoBitsPerSecond": integer
  },
  "periodTriggers": [
    enum
  ],
  "suggestedPresentationDelaySeconds": integer,
  "adTriggers": [
    enum
  ],
  "adsOnDeliveryRestrictions": enum
},
"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,
        "adTriggers": [
            enum
        ],
        "adsOnDeliveryRestrictions": enum
    }
],
"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,
    "adTriggers": [
        enum
    ],
    "adsOnDeliveryRestrictions": enum
},
"tags": {
},
"origination": enum,

```

```

"timeDelaySeconds": integer,
"id": "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
  }
}
}

```

Response Bodies

Example OriginEndpointList

```

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

```

```

    "adTriggers": [
      enum
    ],
    "adsOnDeliveryRestrictions": enum
  },
  "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,
        "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,
    "adTriggers": [
        enum
    ],
    "adsOnDeliveryRestrictions": enum
},
"url": "string",
"tags": {
},
"origination": enum,
"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,
        "segmentDurationSeconds": integer,
        "profile": enum,
        "manifestLayout": enum,
        "segmentTemplateFormat": enum,
        "minUpdatePeriodSeconds": integer,
        "minBufferTimeSeconds": integer,
        "encryption": {
            "keyRotationIntervalSeconds": integer,
            "spekeKeyProvider": {
                "resourceId": "string",
                "certificateArn": "string",
                "systemIds": [
                    "string"
                ],
                "roleArn": "string",
            }
        }
    }
}

```

```

        "url": "string"
    }
},
"streamSelection": {
    "streamOrder": enum,
    "maxVideoBitsPerSecond": integer,
    "minVideoBitsPerSecond": integer
},
"periodTriggers": [
    enum
],
"suggestedPresentationDelaySeconds": integer,
"adTriggers": [
    enum
],
"adsOnDeliveryRestrictions": enum
},
"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,
        "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,
  "adTriggers": [
    enum
  ],
  "adsOnDeliveryRestrictions": enum
},
"url": "string",
"tags": {
},
"origination": enum,
"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

AdsOnDeliveryRestrictions

This setting allows the delivery restriction flags on SCTE-35 segmentation descriptors to determine whether a message signals an ad.

- **NONE** - no SCTE-35 messages become ads.
- **RESTRICTED** - SCTE-35 messages of the types specified in AdTriggers that contain delivery restrictions will be treated as ads.
- **UNRESTRICTED** - SCTE-35 messages of the types specified in AdTriggers that do not contain delivery restrictions will be treated as ads.

- **BOTH** - all SCTE-35 messages of the types specified in AdTriggers will be treated as ads.

For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

NONE
RESTRICTED
UNRESTRICTED
BOTH

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. 61)
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. 46)
Required: False

hlsManifests

A list of HLS manifest configurations available from this endpoint.

Type: Array of type [HlsManifest](#) (p. 51)
Required: False

streamSelection

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

Type: [StreamSelection](#) (p. 62)

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. 46)

Required: False

hlsManifests

A list of HLS manifest configurations available from this endpoint.

Type: Array of type [HlsManifestCreateOrUpdateParameters](#) (p. 53)

Required: False

streamSelection

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

Type: [StreamSelection](#) (p. 62)

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. 61)

Required: True

DashPackage

Parameters for DASH 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

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. Also specifies if segment timeline information is included in `SegmentTimeline` or `SegmentTemplate`.

- **NUMBER_WITH_TIMELINE** - The `$Number$` variable is used in the `media` URL. The value of this variable is the sequential number of the segment. A full `SegmentTimeline` object is presented in each `SegmentTemplate`.
- **NUMBER_WITH_DURATION** - The `$Number$` variable is used in the `media` URL and a `duration` attribute is added to the segment template. The `SegmentTimeline` object is removed from the representation.
- **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. A full `SegmentTimeline` object is presented in each `SegmentTemplate`.

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

minUpdatePeriodSeconds

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

encryption

Parameters for encrypting content.

Type: [DashEncryption \(p. 48\)](#)
Required: False

streamSelection

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

Type: [StreamSelection \(p. 62\)](#)

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

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

adTriggers

The SCTE-35 message types that MediaPackage treats as ad markers in the output manifest. For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

Type: Array of type string
Required: False

adsOnDeliveryRestrictions

The flags on SCTE-35 segmentation descriptors that have to be present for MediaPackage to insert ad markers in the output manifest. For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

Type: [AdsOnDeliveryRestrictions](#) (p. 45)
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. 61)
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

adTriggers

The SCTE-35 message types that MediaPackage treats as ad markers in the output manifest. For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

Type: Array of type string
Required: False

adsOnDeliveryRestrictions

The flags on SCTE-35 segmentation descriptors that have to be present for MediaPackage to insert ad markers in the output manifest. For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

Type: [AdsOnDeliveryRestrictions](#) (p. 45)
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 \(p. 50\)](#)
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. 62)

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

adTriggers

The SCTE-35 message types that MediaPackage treats as ad markers in the output manifest. For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

Type: Array of type string

Required: False

adsOnDeliveryRestrictions

The flags on SCTE-35 segmentation descriptors that have to be present for MediaPackage to insert ad markers in the output manifest. For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

Type: [AdsOnDeliveryRestrictions](#) (p. 45)

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. 61)

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 \(p. 56\)](#)
Required: False

streamSelection

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

Type: [StreamSelection \(p. 62\)](#)
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 \(p. 48\)](#)
Required: False

whitelist

The IP addresses that can access this endpoint.

Type: Array of type string
Required: False

cmfPackage

Parameters for CMAF packaging.

Type: [CmafPackage \(p. 46\)](#)
Required: False

hlsPackage

Parameters for Apple HLS packaging.

Type: [HlsPackage \(p. 54\)](#)
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 \(p. 63\)](#)
Required: False

origination

Controls video origination from this endpoint.

- **ALLOW** - enables this endpoint to serve content to requesting devices.
- **DENY** - prevents this endpoint from serving content. Denying origination is helpful for harvesting live-to-VOD assets. For more information about harvesting and origination, see [Live-to-VOD Requirements](#).

Type: string
Required: False
Values: ALLOW | DENY

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 \(p. 56\)](#)

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

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 \(p. 48\)](#)

Required: False

whitelist

The IP addresses that can access this endpoint.

Type: Array of type string

Required: False

cmfPackage

Parameters for Common Media Application Format (CMAF) packaging.

Type: [CmafPackageCreateOrUpdateParameters \(p. 47\)](#)

Required: False

hlsPackage

Parameters for Apple HLS packaging.

Type: [HlsPackage \(p. 54\)](#)

Required: False

tags

The tags to assign to the endpoint.

Type: [Tags \(p. 63\)](#)

Required: False

origination

Controls video origination from this endpoint.

- **ALLOW** - enables this endpoint to serve content to requesting devices.
- **DENY** - prevents this endpoint from serving content. Denying origination is helpful for harvesting live-to-VOD assets. For more information about harvesting and origination, see [Live-to-VOD Requirements](#).

Type: string

Required: False

Values: ALLOW | DENY

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

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

channelId

The ID of the channel associated with this endpoint.

Type: string
Required: True

mssPackage

Parameters for Microsoft Smooth Streaming packaging.

Type: [MssPackage \(p. 56\)](#)
Required: False

OriginEndpointList

A collection of OriginEndpoint records.

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 \(p. 57\)](#)
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
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:

ListOriginEndpoints

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

Origin_endpoints id

URI

/origin_endpoints/*id*

HTTP Methods

GET

Operation ID: DescribeOriginEndpoint

Provides details about an endpoint.

Path Parameters

Name	Type	Required	Description
<i>id</i>	String	True	Identifier for the object that you are working on.

Responses

Status Code	Response Model	Description
200	OriginEndpoint (p. 70)	200 OK response Endpoint details are returned successfully.
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

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

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.

Path Parameters

Name	Type	Required	Description
<code>id</code>	String	True	Identifier for the object that you are working on.

Responses

Status Code	Response Model	Description
200	OriginEndpoint (p. 70)	200 OK response

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

DELETE

Operation ID: DeleteOriginEndpoint

Permanently deletes an endpoint.

Path Parameters

Name	Type	Required	Description
<i>id</i>	String	True	Identifier for the object that you are working on.

Responses

Status Code	Response Model	Description
202	None	202 Accepted response AWS Elemental MediaPackage accepted the request but has not processed it yet.
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

Status Code	Response Model	Description
		a temporary overload or maintenance.

Schemas

Request Bodies

Example PUT

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

```

```
"url": "string",
"tags": {
},
"origination": enum,
"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

AdsOnDeliveryRestrictions

This setting allows the delivery restriction flags on SCTE-35 segmentation descriptors to determine whether a message signals an ad.

- **NONE** - no SCTE-35 messages become ads.
- **RESTRICTED** - SCTE-35 messages of the types specified in AdTriggers that contain delivery restrictions will be treated as ads.
- **UNRESTRICTED** - SCTE-35 messages of the types specified in AdTriggers that do not contain delivery restrictions will be treated as ads.
- **BOTH** - all SCTE-35 messages of the types specified in AdTriggers will be treated as ads.

For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

NONE
RESTRICTED
UNRESTRICTED
BOTH

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 \(p. 87\)](#)
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 \(p. 72\)](#)
Required: False

hlsManifests

A list of HLS manifest configurations available from this endpoint.

Type: Array of type [HlsManifest \(p. 78\)](#)
Required: False

streamSelection

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

Type: [StreamSelection \(p. 88\)](#)
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. 72)

Required: False

hlsManifests

A list of HLS manifest configurations available from this endpoint.

Type: Array of type [HlsManifestCreateOrUpdateParameters](#) (p. 79)

Required: False

streamSelection

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

Type: [StreamSelection](#) (p. 88)

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. 87)

Required: True

DashPackage

Parameters for DASH 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

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. Also specifies if segment timeline information is included in SegmentTimeline or SegmentTemplate.

- **NUMBER_WITH_TIMELINE** - The \$Number\$ variable is used in the media URL. The value of this variable is the sequential number of the segment. A full SegmentTimeline object is presented in each SegmentTemplate.
- **NUMBER_WITH_DURATION** - The \$Number\$ variable is used in the media URL and a duration attribute is added to the segment template. The SegmentTimeline object is removed from the representation.
- **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. A full SegmentTimeline object is presented in each SegmentTemplate.

Type: string

Required: False

Values: NUMBER_WITH_TIMELINE | TIME_WITH_TIMELINE | NUMBER_WITH_DURATION

minUpdatePeriodSeconds

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

encryption

Parameters for encrypting content.

Type: [DashEncryption \(p. 74\)](#)

Required: False

streamSelection

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

Type: [StreamSelection \(p. 88\)](#)

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

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

adTriggers

The SCTE-35 message types that MediaPackage treats as ad markers in the output manifest. For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

Type: Array of type string
Required: False

adsOnDeliveryRestrictions

The flags on SCTE-35 segmentation descriptors that have to be present for MediaPackage to insert ad markers in the output manifest. For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

Type: [AdsOnDeliveryRestrictions](#) (p. 72)
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. 87)
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

adTriggers

The SCTE-35 message types that MediaPackage treats as ad markers in the output manifest. For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

Type: Array of type string
Required: False

adsOnDeliveryRestrictions

The flags on SCTE-35 segmentation descriptors that have to be present for MediaPackage to insert ad markers in the output manifest. For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

Type: [AdsOnDeliveryRestrictions](#) (p. 72)
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 \(p. 77\)](#)

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 \(p. 88\)](#)

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

adTriggers

The SCTE-35 message types that MediaPackage treats as ad markers in the output manifest. For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

Type: Array of type string
Required: False

adsOnDeliveryRestrictions

The flags on SCTE-35 segmentation descriptors that have to be present for MediaPackage to insert ad markers in the output manifest. For information about SCTE-35 in MediaPackage, see [SCTE-35 Message Options in AWS Elemental MediaPackage](#).

Type: [AdsOnDeliveryRestrictions](#) (p. 72)
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. 87)
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 \(p. 83\)](#)

Required: False

streamSelection

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

Type: [StreamSelection \(p. 88\)](#)

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 \(p. 75\)](#)

Required: False

whitelist

The IP addresses that can access this endpoint.

Type: Array of type string

Required: False

cmfPackage

Parameters for CMAF packaging.

Type: [CmfPackage \(p. 73\)](#)

Required: False

hlsPackage

Parameters for Apple HLS packaging.

Type: [HlsPackage \(p. 81\)](#)

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 \(p. 89\)](#)

Required: False

origination

Controls video origination from this endpoint.

- **ALLOW** - enables this endpoint to serve content to requesting devices.
- **DENY** - prevents this endpoint from serving content. Denying origination is helpful for harvesting live-to-VOD assets. For more information about harvesting and origination, see [Live-to-VOD Requirements](#).

Type: string

Required: False

Values: ALLOW | DENY

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 \(p. 83\)](#)
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

origination

Controls video origination from this endpoint.

- **ALLOW** - enables this endpoint to serve content to requesting devices.
- **DENY** - prevents this endpoint from serving content. Denying origination is helpful for harvesting live-to-VOD assets. For more information about harvesting and origination, see [Live-to-VOD Requirements](#).

Type: string
Required: False
Values: ALLOW | DENY

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 \(p. 75\)](#)

Required: False

whitelist

The IP addresses that can access this endpoint.

Type: Array of type string

Required: False

cmfPackage

Parameters for CMAF packaging.

Type: [CmafPackageCreateOrUpdateParameters \(p. 74\)](#)

Required: False

hlsPackage

Parameters for Apple HLS packaging.

Type: [HlsPackage \(p. 81\)](#)

Required: False

mssPackage

Parameters for Microsoft Smooth Streaming packaging.

Type: [MssPackage \(p. 83\)](#)

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

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

DeleteOriginEndpoint

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

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

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

Responses

Status Code	Response Model	Description
200	tagsModel (p. 92)	200 OK response The list of tags is returned successfully.

POST

Operation ID: TagResource

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

Path Parameters

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

Responses

Status Code	Response Model	Description
204	None	The request was successful. There is no content in the response.

DELETE

Operation ID: UntagResource

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

Path Parameters

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

Query Parameters

Name	Type	Required	Description
tagKeys	String	True	A comma-separated list of the tag keys to remove from the channel or endpoint.

Responses

Status Code	Response Model	Description
204	None	The request was successful. There is no content in the response.

Schemas

Request Bodies

Example POST

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

Response Bodies

Example tagsModel

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

Properties

tagsModel

The key:value pairs used in a tag.

tags

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

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

Type: object

Required: True

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 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 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 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**

Change	Description	Date
Live-to-VOD release	Document <code>harvest_jobs</code> , the resource used for live-to-VOD asset creation.	October 1, 2019
Configurable SCTE-35 marker handling release	Document additional options that MediaPackage provides for configuring how SCTE-35 markers are treated in output manifests.	June 21, 2019
DASH number with duration release	Document additional DASH segment template format option.	May 29, 2019
Tagging release	Document how to add tags to resources.	March 4, 2019
DASH compact manifest and segment template format release	Document how to create a compacted manifest or change the format of the <code>segmentTemplate</code> information.	February 6, 2019
SPEKE content encryption release	Document the <code>certificateARN</code> that's required if you're using content key encryption with SPEKE.	November 8, 2018
Input redundancy release	Document rotating credentials for both ingest endpoints.	August 28, 2018
Correct resource URIs	Throughout the document, removed "prod/" from URIs.	July 24, 2018
Multi-period DASH release	Document how to create multiple periods in a DASH manifest.	July 18, 2018
CMAF endpoint release	Document how to create a Common Media Application Format (CMAF) endpoint.	May 3, 2018
New AWS Elemental MediaPackage service release	Initial documentation for the MediaPackage service.	November 27, 2017

AWS Glossary

For the latest AWS terminology, see the [AWS Glossary](#) in the *AWS General Reference*.