



VOD API Reference

AWS Elemental MediaPackage



AWS Elemental MediaPackage: VOD API Reference

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What Is the AWS Elemental MediaPackage VOD API Reference?

This is the AWS Elemental MediaPackage VOD REST API Reference. It contains examples of REST resources and their operations for video on demand (VOD).

For the AWS Elemental MediaPackage Live REST API Reference, see [AWS Elemental MediaPackage API Reference](#).

AWS Elemental MediaPackage VOD REST API overview

The AWS Elemental MediaPackage VOD API comprises of three main resources: the asset, the packaging group, and the packaging configuration. The asset is the entry point to AWS Elemental MediaPackage VOD. A packaging group is associated with the asset, and holds one or more packaging configurations. The packaging configurations are the exit points from AWS Elemental MediaPackage VOD. The packaging configuration determines how outputs from this asset are formatted.

To get started with AWS Elemental MediaPackage VOD

Step 1: Create a packaging group.

The packaging group holds one or more packaging configurations. You can create the group once and associate multiple assets with it, so that they all use the same packaging configurations.

Step 2: Create packaging configurations.

The packaging configuration is held in a packaging group and is attached to an asset. The configuration represents the output of the content from AWS Elemental MediaPackage. Each configuration provides downstream content distribution networks (CDNs) and players access to the content for playback.

Step 3: Create an asset.

The asset represents the input to AWS Elemental MediaPackage VOD. Associate a packaging group to the asset so that content can be served for playback. When you create the asset, it initiates ingest of your specified source content from Amazon S3.

Step 4: Integrate AWS Elemental MediaPackage VOD.

When the asset is created and a packaging group is associated with it, AWS Elemental MediaPackage provides URLs for each packaging configuration on the asset. In the CDN or player, enter the configuration URL from the asset as the content request address.

For general information on the service, see the [AWS Elemental MediaPackage User Guide](#).

Resources

The AWS Elemental MediaPackage VOD REST API includes the following resources.

Topics

- [Assets](#)
- [Assets id](#)
- [Packaging_configurations](#)
- [Packaging_configurations id](#)
- [Packaging_groups](#)
- [Packaging_groups id](#)
- [Packaging_groups id Configure_logs](#)
- [Tags resource-arn](#)

Assets

URI

/assets

HTTP methods

GET

Operation ID: ListAssets

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

Query parameters

Name	Type	Required	Description
packaging GroupId	String	False	Limits the results to records that are

Name	Type	Required	Description
			associated with the given packaging group.
nextToken	String	False	Pagination token. Use this token to request the next page of record results.
maxResults	String	False	Upper bound on number of records to return.

Responses

Status code	Response model	Description
200	AssetList	200 OK response The list of tags 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

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>One of these two error conditions:</p> <p>Too many requests have been sent in a given amount of time.</p> <p>Your account has exceeded the quota allotted for the resource that you're creating.</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: CreateAsset

Creates an asset to ingest VOD content.

Once created, the asset starts ingesting content and generates playback URLs for the packaging configurations associated with it. When ingest is complete, downstream devices request VOD content from AWS Elemental MediaPackage using the appropriate URL.

Responses

Status code	Response model	Description
200	Asset	<p>200 OK response</p> <p>The list of tags is returned successfully.</p>
403	None	<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>

Status code	Response model	Description
429	None	<p>429 Too Many Requests response</p> <p>One of these two error conditions:</p> <p>Too many requests have been sent in a given amount of time.</p> <p>Your account has exceeded the quota allotted for the resource that you're creating.</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>

OPTIONS

Enable cross-origin resource sharing (CORS) by returning correct headers.

Responses

Status code	Response model	Description
200	None	200 OK response The list of tags is returned successfully.

Schemas

Request bodies

POST schema

```
{
  "packagingGroupId": "string",
  "sourceArn": "string",
  "resourceId": "string",
  "sourceRoleArn": "string",
  "id": "string",
  "tags": {
  }
}
```

Response bodies

AssetList schema

```
{
  "assets": [
    {
      "createdAt": "string",
      "packagingGroupId": "string",
      "sourceArn": "string",
      "resourceId": "string",
      "sourceRoleArn": "string",
      "id": "string",
      "arn": "string",
      "tags": {
      }
    }
  ]
}
```

```
    }
  ],
  "nextToken": "string"
}
```

Asset schema

```
{
  "createdAt": "string",
  "packagingGroupId": "string",
  "sourceArn": "string",
  "resourceId": "string",
  "sourceRoleArn": "string",
  "id": "string",
  "arn": "string",
  "egressEndpoints": [
    {
      "packagingConfigurationId": "string",
      "url": "string",
      "status": "string"
    }
  ],
  "tags": {
  }
}
```

Properties

Asset

Parameters for an asset.

createdAt

The date and time the Asset was initially submitted for Ingest.

Type: string

Required: False

packagingGroupId

The ID of the packaging group associated with this asset.

Type: string
Required: False

sourceArn

The ARN for the source content in Amazon S3.

Type: string
Required: False

resourceId

Unique identifier for this asset, as it's configured in the key provider service.

Type: string
Required: False

sourceRoleArn

The ARN for the IAM role that provides AWS Elemental MediaPackage access to the Amazon S3 bucket where the source content is stored. Valid format: `arn:aws:iam::{accountID}:role/{name}`

Type: string
Required: False

id

Unique identifier that you assign to the asset.

Type: string
Required: False

arn

The Amazon Resource Name (ARN) for the asset. You can get this from the response to any request to the asset.

Type: string

Required: False

egressEndpoints

List of playback endpoints that are available for this asset.

Type: Array of type [EgressEndpoint](#)

Required: False

tags

The tags to assign to the asset.

Type: [Tags](#)

Required: False

AssetCreateParameters

Parameters for creating an asset.

packagingGroupId

The ID of the packaging group associated with this asset.

Type: string

Required: True

sourceArn

The ARN for the source content in Amazon S3.

Type: string

Required: True

resourceId

Unique identifier for this asset, as it's configured in the key provider service.

Type: string

Required: False

sourceRoleArn

The ARN for the IAM role that provides AWS Elemental MediaPackage access to the Amazon S3 bucket where the source content is stored. Valid format: `arn:aws:iam::{accountID}:role/{name}`

Type: string

Required: True

id

Unique identifier that you assign to the asset.

Type: string

Required: True

tags

The tags to assign to the asset.

Type: [Tags](#)

Required: False

AssetList

A collection of Asset records.

assets

A list of Asset records that are configured on this account in this AWS Region.

Type: Array of type [AssetShallow](#)

Required: False

nextToken

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

Type: string

Required: False

AssetShallow

Parameters on an asset.

createdAt

The date and time the Asset was initially submitted for Ingest.

Type: string

Required: False

packagingGroupId

The ID of the packaging group associated with this asset.

Type: string

Required: False

sourceArn

The ARN for the source content in Amazon S3.

Type: string

Required: False

resourceId

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

Type: string

Required: False

sourceRoleArn

The ARN for the IAM role that provides AWS Elemental MediaPackage access to the Amazon S3 bucket where the source content is stored. Valid format: `arn:aws:iam::{accountID}:role/{name}`

Type: string

Required: False

id

Unique identifier that you assigned to the asset.

Type: string

Required: False

arn

The Amazon Resource Name (ARN) for the asset. You can get this from the response to any request to the asset.

Type: string

Required: False

tags

The tags to assign to the asset.

Type: [Tags](#)

Required: False

EgressEndpoint

The playback endpoint for a packaging configuration on an asset.

packagingConfigurationId

The ID of a packaging configuration that's applied to this asset.

Type: string

Required: False

url

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

Type: string

Required: False

status

The current processing status of the asset used for the packaging configuration. The status can be QUEUED, PROCESSING, PLAYABLE, or FAILED. Status information isn't available for most assets ingested before September 30th, 2021.

Type: string

Required: False

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

Assets id

URI

/assets/*id*

HTTP methods

GET

Operation ID: DescribeAsset

Provides details about an asset.

Path parameters

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

Responses

Status code	Response model	Description
200	Asset	<p>200 OK response</p> <p>The list of tags is returned successfully.</p>
403	None	<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>One of these two error conditions:</p> <p>Too many requests have been sent in a given amount of time.</p>

Status code	Response model	Description
500	None	<p>Your account has exceeded the quota allotted for the resource that you're creating.</p> <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: DeleteAsset

Permanently deletes an asset.

Path parameters

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

Responses

Status code	Response model	Description
202	None	<p>202 Accepted response</p> <p>AWS Elemental MediaPackage accepted the request but has not processed it yet.</p>
403	None	<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>One of these two error conditions:</p> <p>Too many requests have been sent in a given amount of time.</p>

Status code	Response model	Description
500	None	<p>Your account has exceeded the quota allotted for the resource that you're creating.</p> <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>

OPTIONS

Enable cross-origin resource sharing (CORS) by returning correct headers.

Path parameters

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

Responses

Status code	Response model	Description
200	None	200 OK response The list of tags is returned successfully.

Schemas

Response bodies

Asset schema

```
{
  "createdAt": "string",
  "packagingGroupId": "string",
  "sourceArn": "string",
  "resourceId": "string",
  "sourceRoleArn": "string",
  "id": "string",
  "arn": "string",
  "egressEndpoints": [
    {
      "packagingConfigurationId": "string",
      "url": "string",
      "status": "string"
    }
  ],
  "tags": {
  }
}
```

Properties

Asset

Parameters for an asset.

createdAt

The date and time the Asset was initially submitted for Ingest.

Type: string

Required: False

packagingGroupId

The ID of the packaging group associated with this asset.

Type: string

Required: False

sourceArn

The ARN for the source content in Amazon S3.

Type: string

Required: False

resourceId

Unique identifier for this asset, as it's configured in the key provider service.

Type: string

Required: False

sourceRoleArn

The ARN for the IAM role that provides AWS Elemental MediaPackage access to the Amazon S3 bucket where the source content is stored. Valid format: `arn:aws:iam::{accountID}:role/{name}`

Type: string

Required: False

id

Unique identifier that you assign to the asset.

Type: string

Required: False

arn

The Amazon Resource Name (ARN) for the asset. You can get this from the response to any request to the asset.

Type: string

Required: False

egressEndpoints

List of playback endpoints that are available for this asset.

Type: Array of type [EgressEndpoint](#)

Required: False

tags

The tags to assign to the asset.

Type: [Tags](#)

Required: False

EgressEndpoint

The playback endpoint for a packaging configuration on an asset.

packagingConfigurationId

The ID of a packaging configuration that's applied to this asset.

Type: string

Required: False

url

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

Type: string

Required: False

status

The current processing status of the asset used for the packaging configuration. The status can be QUEUED, PROCESSING, PLAYABLE, or FAILED. Status information isn't available for most assets ingested before September 30th, 2021.

Type: string

Required: False

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

Packaging_configurations

URI

/packaging_configurations

HTTP methods

GET

Operation ID: ListPackagingConfigurations

Lists packaging configurations that match a set of filters that you define.

Query parameters

Name	Type	Required	Description
packaging GroupId	String	False	Limits the results to records that are associated with the given packaging group.
nextToken	String	False	Pagination token. Use this token to request the next page of record results.
maxResults	String	False	Upper bound on number of records to return.

Responses

Status code	Response model	Description
200	PackagingConfigurationList	200 OK response The list of tags 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

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> <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>One of these two error conditions:</p> <p>Too many requests have been sent in a given amount of time.</p> <p>Your account has exceeded the quota allotted for the resource that you're creating.</p>
500	None	<p>500 Internal Server Error response</p> <p>An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.</p>

Status code	Response model	Description
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: CreatePackagingConfiguration

Creates a packaging configuration in a packaging group.

The packaging configuration represents a single delivery point for an asset. It determines how the output from this endpoint is formatted.

Responses

Status code	Response model	Description
200	PackagingConfiguration	200 OK response The list of tags 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

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> <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>One of these two error conditions:</p> <p>Too many requests have been sent in a given amount of time.</p> <p>Your account has exceeded the quota allotted for the resource that you're creating.</p>
500	None	<p>500 Internal Server Error response</p> <p>An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.</p>

Status code	Response model	Description
503	None	Service unavailable response AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance.

OPTIONS

Enable cross-origin resource sharing (CORS) by returning correct headers.

Responses

Status code	Response model	Description
200	None	200 OK response The list of tags is returned successfully.

Schemas

Request bodies

POST schema

```
{
  "packagingGroupId": "string",
  "dashPackage": {
    "includeEncoderConfigurationInSegments": boolean,
    "segmentDurationSeconds": integer,
    "encryption": {
      "spekeKeyProvider": {
        "encryptionContractConfiguration": {
          "presetSpeke20Audio": enum,

```



```

    "presetSpeke20Video": enum
  },
  "systemIds": [
    "string"
  ],
  "roleArn": "string",
  "url": "string"
}
},
"segmentTemplateFormat": enum,
"includeIframeOnlyStream": boolean,
"periodTriggers": [
  enum
],
"dashManifests": [
  {
    "minBufferTimeSeconds": integer,
    "manifestName": "string",
    "profile": enum,
    "manifestLayout": enum,
    "streamSelection": {
      "streamOrder": enum,
      "maxVideoBitsPerSecond": integer,
      "minVideoBitsPerSecond": integer
    },
    "scteMarkersSource": enum
  }
]
},
"id": "string",
"cmfPackage": {
  "includeEncoderConfigurationInSegments": boolean,
  "segmentDurationSeconds": integer,
  "encryption": {
    "constantInitializationVector": "string",
    "spekeKeyProvider": {
      "encryptionContractConfiguration": {
        "presetSpeke20Audio": enum,
        "presetSpeke20Video": enum
      },
      "systemIds": [
        "string"
      ],
      "roleArn": "string",

```

```

    "url": "string"
  }
},


```

```

        "maxVideoBitsPerSecond": integer,
        "minVideoBitsPerSecond": integer
    },
    "includeIframeOnlyStream": boolean
}
],
"includeDvbSubtitles": boolean
},
"mssPackage": {
    "segmentDurationSeconds": integer,
    "encryption": {
        "spekeKeyProvider": {
            "encryptionContractConfiguration": {
                "presetSpeke20Audio": enum,
                "presetSpeke20Video": enum
            },
            "systemIds": [
                "string"
            ],
            "roleArn": "string",
            "url": "string"
        }
    },
    "mssManifests": [
        {
            "manifestName": "string",
            "streamSelection": {
                "streamOrder": enum,
                "maxVideoBitsPerSecond": integer,
                "minVideoBitsPerSecond": integer
            }
        }
    ]
},
"tags": {
}
}

```

Response bodies

PackagingConfigurationList schema

```
{
```

```
"nextToken": "string",
"packagingConfigurations": [
  {
    "createdAt": "string",
    "packagingGroupId": "string",
    "dashPackage": {
      "includeEncoderConfigurationInSegments": boolean,
      "segmentDurationSeconds": integer,
      "encryption": {
        "spekeKeyProvider": {
          "encryptionContractConfiguration": {
            "presetSpeke20Audio": enum,
            "presetSpeke20Video": enum
          },
          "systemIds": [
            "string"
          ],
          "roleArn": "string",
          "url": "string"
        }
      },
      "segmentTemplateFormat": enum,
      "includeIframeOnlyStream": boolean,
      "periodTriggers": [
        enum
      ],
      "dashManifests": [
        {
          "minBufferTimeSeconds": integer,
          "manifestName": "string",
          "profile": enum,
          "manifestLayout": enum,
          "streamSelection": {
            "streamOrder": enum,
            "maxVideoBitsPerSecond": integer,
            "minVideoBitsPerSecond": integer
          },
          "scteMarkersSource": enum
        }
      ]
    },
    "id": "string",
    "arn": "string",
    "cmfPackage": {
```

```

    "includeEncoderConfigurationInSegments": boolean,
    "segmentDurationSeconds": integer,
    "encryption": {
      "constantInitializationVector": "string",
      "spekeKeyProvider": {
        "encryptionContractConfiguration": {
          "presetSpeke20Audio": enum,
          "presetSpeke20Video": enum
        },
        "systemIds": [
          "string"
        ],
        "roleArn": "string",
        "url": "string"
      }
    },
    "hlsManifests": [
      {
        "repeatExtXKey": boolean,
        "adMarkers": enum,
        "manifestName": "string",
        "programDateTimeIntervalSeconds": integer,
        "streamSelection": {
          "streamOrder": enum,
          "maxVideoBitsPerSecond": integer,
          "minVideoBitsPerSecond": integer
        },
        "includeIframeOnlyStream": boolean
      }
    ]
  },
  "hlsPackage": {
    "useAudioRenditionGroup": boolean,
    "segmentDurationSeconds": integer,
    "encryption": {
      "constantInitializationVector": "string",
      "encryptionMethod": enum,
      "spekeKeyProvider": {
        "encryptionContractConfiguration": {
          "presetSpeke20Audio": enum,
          "presetSpeke20Video": enum
        },
        "systemIds": [
          "string"
        ]
      }
    }
  }
}

```

```

    ],
    "roleArn": "string",
    "url": "string"
  }
},
"hlManifests": [
  {
    "repeatExtXKey": boolean,
    "adMarkers": enum,
    "manifestName": "string",
    "programDateTimeIntervalSeconds": integer,
    "streamSelection": {
      "streamOrder": enum,
      "maxVideoBitsPerSecond": integer,
      "minVideoBitsPerSecond": integer
    },
    "includeIframeOnlyStream": boolean
  }
],
"includeDvbSubtitles": boolean
},
"mssPackage": {
  "segmentDurationSeconds": integer,
  "encryption": {
    "spekeKeyProvider": {
      "encryptionContractConfiguration": {
        "presetSpeke20Audio": enum,
        "presetSpeke20Video": enum
      },
      "systemIds": [
        "string"
      ],
      "roleArn": "string",
      "url": "string"
    }
  },
  "mssManifests": [
    {
      "manifestName": "string",
      "streamSelection": {
        "streamOrder": enum,
        "maxVideoBitsPerSecond": integer,
        "minVideoBitsPerSecond": integer
      }
    }
  ]
}

```

```

    }
  ]
},
"tags": {
}
}
]
}

```

PackagingConfiguration schema

```

{
  "createdAt": "string",
  "packagingGroupId": "string",
  "dashPackage": {
    "includeEncoderConfigurationInSegments": boolean,
    "segmentDurationSeconds": integer,
    "encryption": {
      "spekeKeyProvider": {
        "encryptionContractConfiguration": {
          "presetSpeke20Audio": enum,
          "presetSpeke20Video": enum
        },
        "systemIds": [
          "string"
        ],
        "roleArn": "string",
        "url": "string"
      }
    },
    "segmentTemplateFormat": enum,
    "includeIframeOnlyStream": boolean,
    "periodTriggers": [
      enum
    ],
    "dashManifests": [
      {
        "minBufferTimeSeconds": integer,
        "manifestName": "string",
        "profile": enum,
        "manifestLayout": enum,
        "streamSelection": {
          "streamOrder": enum,

```

```

        "maxVideoBitsPerSecond": integer,
        "minVideoBitsPerSecond": integer
    },
    "scteMarkersSource": enum
}
]
},
"__id": "string",
"arn": "string",
"cmfPackage": {
    "includeEncoderConfigurationInSegments": boolean,
    "segmentDurationSeconds": integer,
    "encryption": {
        "constantInitializationVector": "string",
        "spekeKeyProvider": {
            "encryptionContractConfiguration": {
                "presetSpeke20Audio": enum,
                "presetSpeke20Video": enum
            },
            "systemIds": [
                "string"
            ],
            "roleArn": "string",
            "url": "string"
        }
    },
    "hlsManifests": [
        {
            "repeatExtXKey": boolean,
            "adMarkers": enum,
            "manifestName": "string",
            "programDateTimeIntervalSeconds": integer,
            "streamSelection": {
                "streamOrder": enum,
                "maxVideoBitsPerSecond": integer,
                "minVideoBitsPerSecond": integer
            },
            "includeIframeOnlyStream": boolean
        }
    ]
},
"hlsPackage": {
    "useAudioRenditionGroup": boolean,
    "segmentDurationSeconds": integer,

```



```
"encryption": {
  "constantInitializationVector": "string",
  "encryptionMethod": enum,
  "spekeKeyProvider": {
    "encryptionContractConfiguration": {
      "presetSpeke20Audio": enum,
      "presetSpeke20Video": enum
    },
    "systemIds": [
      "string"
    ],
    "roleArn": "string",
    "url": "string"
  }
},
"hlsManifests": [
  {
    "repeatExtXKey": boolean,
    "adMarkers": enum,
    "manifestName": "string",
    "programDateTimeIntervalSeconds": integer,
    "streamSelection": {
      "streamOrder": enum,
      "maxVideoBitsPerSecond": integer,
      "minVideoBitsPerSecond": integer
    },
    "includeIframeOnlyStream": boolean
  }
],
"includeDvbSubtitles": boolean
},
"mssPackage": {
  "segmentDurationSeconds": integer,
  "encryption": {
    "spekeKeyProvider": {
      "encryptionContractConfiguration": {
        "presetSpeke20Audio": enum,
        "presetSpeke20Video": enum
      },
      "systemIds": [
        "string"
      ],
      "roleArn": "string",
      "url": "string"
    }
  }
}
```

```
    }
  },
  "mssManifests": [
    {
      "manifestName": "string",
      "streamSelection": {
        "streamOrder": enum,
        "maxVideoBitsPerSecond": integer,
        "minVideoBitsPerSecond": integer
      }
    }
  ]
},
"tags": {
}
}
```

Properties

CmafEncryption

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

constantInitializationVector

An optional 128-bit, 16-byte hex value represented by a 32-character string, used in conjunction with the key for encrypting blocks. If you don't specify a value, then MediaPackage creates the constant initialization vector (IV).

Type: string

Required: False

spekeKeyProvider

Parameters for the SPEKE key provider.

Type: [SpekeKeyProvider](#)

Required: True

CmafPackage

Parameters for a packaging configuration that uses Common Media Application Format (CMAF) packaging.

includeEncoderConfigurationInSegments

When true, MediaPackage places your encoder's Sequence Parameter Set (SPS), Picture Parameter Set (PPS), and Video Parameter Set (VPS) metadata in every video segment instead of in the init fragment. This lets you use different SPS/PPS/VPS settings for your assets during content playback.

Type: boolean

Required: False

segmentDurationSeconds

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

Type: integer

Required: False

encryption

Parameters for encrypting content.

Type: [CmafEncryption](#)

Required: False

hlsManifests

A list of HLS manifest configurations available from this endpoint.

Type: Array of type [HlsManifest](#)

Required: True

DashEncryption

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](#)

Required: True

DashManifest

Parameters for a DASH manifest.

minBufferTimeSeconds

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

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 packaging configuration.

Type: string

Required: False

profile

The DASH profile type for the output.

Value description:

- NONE - The output doesn't use a DASH profile.
- HBBTV_1_5 - The output is compliant with HbbTV v1.5. For information about HbbTV v1.5, see the [HbbTV specification website](#).

Type: string

Required: False

Values: NONE | HBBTV_1_5

manifestLayout

Determines the position of some tags in the Media Presentation Description (MPD).

Value description:

- 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

streamSelection

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

Type: [StreamSelection](#)

Required: False

scteMarkersSource

The source of scte markers used.

Value description:

- SEGMENTS - The scte markers are sourced from the segments of the ingested content.
- MANIFEST - the scte markers are sourced from the manifest of the ingested content. The MANIFEST value is compatible with source HLS playlists using the SCTE-35 Enhanced syntax (EXT-0ATCLS-SCTE35 tags). SCTE-35 Elemental and SCTE-35 Daterange syntaxes are not supported with this option.

Type: string

Required: False

Values: SEGMENTS | MANIFEST

DashPackage

Parameters for a packaging configuration that uses DASH packaging.

includeEncoderConfigurationInSegments

When true, MediaPackage places your encoder's Sequence Parameter Set (SPS), Picture Parameter Set (PPS), and Video Parameter Set (VPS) metadata in every video segment instead of in the init fragment. This lets you use different SPS/PPS/VPS settings for your assets during content playback.

Type: boolean

Required: False

segmentDurationSeconds

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

Type: integer

Required: False

encryption

Parameters for encrypting content.

Type: [DashEncryption](#)

Required: False

segmentTemplateFormat

Determines the type of SegmentTemplate included in the MPD.

Value description:

- **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`.
- **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`.
- **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.

Type: string

Required: False

Values: NUMBER_WITH_TIMELINE | TIME_WITH_TIMELINE | NUMBER_WITH_DURATION

includeIframeOnlyStream

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

Type: boolean

Required: False

periodTriggers

A list of triggers that controls when the outgoing DASH Media Presentation Description (MPD) will be partitioned into multiple periods.

Value description:

- **NONE** - The entire duration of the output manifest is included in a single period.
- **ADS** - Multiple periods are added to the output manifest based on SCTE-35 ad markers in the source video stream.

Type: Array of type string

Required: False

Values: ADS

dashManifests

A list of DASH manifest configurations available from this endpoint.

Type: Array of type [DashManifest](#)

Required: True

EncryptionContractConfiguration

Use `encryptionContractConfiguration` to configure one or more content encryption keys for your endpoints that use SPEKE Version 2.0. The encryption contract defines the content keys used to encrypt the audio and video tracks in your stream. To configure the encryption contract, specify which audio and video encryption presets to use. For more information about these presets, see [SPEKE Version 2.0 Presets](#).

Note the following considerations when using `encryptionContractConfiguration`:

- You can use `encryptionContractConfiguration` for DASH endpoints that use SPEKE Version 2.0. SPEKE Version 2.0 relies on the CPIX Version 2.3 specification.
- You cannot combine an UNENCRYPTED preset with UNENCRYPTED or SHARED presets across `presetSpeke20Audio` and `presetSpeke20Video`.
- When you use a SHARED preset, you must use it for both `presetSpeke20Audio` and `presetSpeke20Video`.

presetSpeke20Audio

A collection of audio encryption presets.

Value description:

- PRESET-AUDIO-1 - Use one content key to encrypt all of the audio tracks in your stream.
- PRESET-AUDIO-2 - Use one content key to encrypt all of the stereo audio tracks and one content key to encrypt all of the multichannel audio tracks.
- PRESET-AUDIO-3 - Use one content key to encrypt all of the stereo audio tracks, one content key to encrypt all of the multichannel audio tracks with 3 to 6 channels, and one content key to encrypt all of the multichannel audio tracks with more than 6 channels.

- SHARED - Use the same content key for all of the audio and video tracks in your stream.
- UNENCRYPTED - Don't encrypt any of the audio tracks in your stream.

Type: string

Required: True

Values: PRESET-AUDIO-1 | PRESET-AUDIO-2 | PRESET-AUDIO-3 | SHARED | UNENCRYPTED

presetSpeke20Video

A collection of video encryption presets.

Value description:

- PRESET-VIDEO-1 - Use one content key to encrypt all of the video tracks in your stream.
- PRESET-VIDEO-2 - Use one content key to encrypt all of the SD video tracks and one content key for all HD and higher resolutions video tracks.
- PRESET-VIDEO-3 - Use one content key to encrypt all of the SD video tracks, one content key for HD video tracks and one content key for all UHD video tracks.
- PRESET-VIDEO-4 - Use one content key to encrypt all of the SD video tracks, one content key for HD video tracks, one content key for all UHD1 video tracks and one content key for all UHD2 video tracks.
- PRESET-VIDEO-5 - Use one content key to encrypt all of the SD video tracks, one content key for HD1 video tracks, one content key for HD2 video tracks, one content key for all UHD1 video tracks and one content key for all UHD2 video tracks.
- PRESET-VIDEO-6 - Use one content key to encrypt all of the SD video tracks, one content key for HD1 video tracks, one content key for HD2 video tracks and one content key for all UHD video tracks.
- PRESET-VIDEO-7 - Use one content key to encrypt all of the SD+HD1 video tracks, one content key for HD2 video tracks and one content key for all UHD video tracks.
- PRESET-VIDEO-8 - Use one content key to encrypt all of the SD+HD1 video tracks, one content key for HD2 video tracks, one content key for all UHD1 video tracks and one content key for all UHD2 video tracks.
- SHARED - Use the same content key for all of the video and audio tracks in your stream.
- UNENCRYPTED - Don't encrypt any of the video tracks in your stream.

Type: string

Required: True

Values: PRESET-VIDEO-1 | PRESET-VIDEO-2 | PRESET-VIDEO-3 | PRESET-VIDEO-4
| PRESET-VIDEO-5 | PRESET-VIDEO-6 | PRESET-VIDEO-7 | PRESET-VIDEO-8 |
SHARED | UNENCRYPTED

HlsEncryption

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

constantInitializationVector

A 128-bit, 16-byte hex value represented by a 32-character string, used in conjunction with the key for encrypting blocks. If you don't specify a constant initialization vector (IV), MediaPackage periodically rotates the IV.

Type: string

Required: False

encryptionMethod

HLS encryption type.

Type: string

Required: False

Values: AES_128 | SAMPLE_AES

spekeKeyProvider

Parameters for the SPEKE key provider.

Type: [SpekeKeyProvider](#)

Required: True

HlsManifest

Parameters for an HLS manifest.

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

adMarkers

This setting controls ad markers in the packaged content.

Value description:

- NONE - Omits SCTE-35 ad markers from the output.
- SCTE35_ENHANCED - Generates ad markers and blackout tags in the output, based on SCTE-35 messages in the source content.
- PASSTHROUGH - Copies SCTE-35 ad markers from the source content to the output.

Type: string

Required: False

Values: NONE | SCTE35_ENHANCED | PASSTHROUGH

manifestName

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

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's 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

streamSelection

Video bitrate limitations for outputs from this packaging configuration.

Type: [StreamSelection](#)

Required: False

includeIframeOnlyStream

Applies to stream sets with a single video track only. When enabled, the output includes an additional I-frame only trick-play stream, along with the other tracks.

Type: boolean

Required: False

HlsPackage

Parameters for a packaging configuration that uses HTTP Live Streaming (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 will be rounded to the nearest multiple of the source fragment duration.

Type: integer
Required: False

encryption

Parameters for encrypting content.

Type: [HlsEncryption](#)
Required: False

hlsManifests

A list of HLS manifest configurations available from this endpoint.

Type: Array of type [HlsManifest](#)
Required: True

includeDvbSubtitles

When enabled, MediaPackage passes through digital video broadcasting (DVB) subtitles into the output.

Type: boolean
Required: False

MssEncryption

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

spekeKeyProvider

Parameters for the SPEKE key provider.

Type: [SpekeKeyProvider](#)
Required: True

MssManifest

Parameters for a Microsoft Smooth manifest.

manifestName

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

Type: string

Required: False

streamSelection

Video bitrate limitations for outputs from this packaging configuration.

Type: [StreamSelection](#)

Required: False

MssPackage

Parameters for a packaging configuration that uses Microsoft Smooth Streaming (MSS) packaging.

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](#)

Required: False

mssManifests

A list of Microsoft Smooth manifest configurations available from this endpoint.

Type: Array of type [MssManifest](#)

Required: True

PackagingConfiguration

PackagingConfiguration.

createdAt

The date and time the PackagingConfiguration was created.

Type: string

Required: False

packagingGroupId

The ID of the packaging group associated with this packaging configuration.

Type: string

Required: False

dashPackage

Parameters for DASH-ISO packaging.

Type: [DashPackage](#)

Required: False

id

Unique identifier that you assign to the packaging configuration.

Type: string

Required: False

arn

The Amazon Resource Name (ARN) for the packaging configuration. You can get this from the response to any request to the packaging configuration.

Type: string

Required: False

cmfPackage

Parameters for CMAF packaging.

Type: [CmfPackage](#)

Required: False

hlsPackage

Parameters for Apple HLS packaging.

Type: [HlsPackage](#)

Required: False

mssPackage

Parameters for Microsoft Smooth Streaming packaging.

Type: [MssPackage](#)

Required: False

tags

The tags to assign to the packaging configuration.

Type: [Tags](#)

Required: False

PackagingConfigurationCreateParameters

Parameters for creating a packaging configuration.

packagingGroupId

The ID of the packaging group associated with this packaging configuration.

Type: string

Required: True

dashPackage

Parameters for DASH-ISO packaging.

Type: [DashPackage](#)

Required: False

id

Unique identifier that you assign to the packaging configuration.

Type: string

Required: True

cmafPackage

Parameters for CMAF packaging.

Type: [CmafPackage](#)

Required: False

hlsPackage

Parameters for Apple HLS packaging.

Type: [HlsPackage](#)

Required: False

mssPackage

Parameters for Microsoft Smooth Streaming packaging.

Type: [MssPackage](#)

Required: False

tags

The tags to assign to the packaging configuration.

Type: [Tags](#)

Required: False

PackagingConfigurationList

A collection of PackagingConfiguration records.

nextToken

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

Type: string

Required: False

packagingConfigurations

A list of PackagingConfiguration records.

Type: Array of type [PackagingConfiguration](#)

Required: False

SpekeKeyProvider

A configuration for accessing an external Secure Packager and Encoder Key Exchange (SPEKE) service that will provide encryption keys.

encryptionContractConfiguration

Use encryptionContractConfiguration to configure one or more content encryption keys for your endpoints that use SPEKE Version 2.0. The encryption contract defines which content keys are used to encrypt the audio and video tracks in your stream. To configure the encryption contract, specify which audio and video encryption presets to use.

Type: [EncryptionContractConfiguration](#)

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.

key-value pairs

Type: string

Packaging_configurations id

URI

/packaging_configurations/*id*

HTTP methods

GET

Operation ID: DescribePackagingConfiguration

Provides details about a packaging configuration.

Path parameters

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

Responses

Status code	Response model	Description
200	PackagingConfiguration	<p>200 OK response</p> <p>The list of tags is returned successfully.</p>
403	None	<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>One of these two error conditions:</p> <p>Too many requests have been sent in a given amount of time.</p>

Status code	Response model	Description
500	None	<p>Your account has exceeded the quota allotted for the resource that you're creating.</p> <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: DeletePackagingConfiguration

Permanently deletes a packaging configuration.

Path parameters

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

Responses

Status code	Response model	Description
202	None	<p>202 Accepted response</p> <p>AWS Elemental MediaPackage accepted the request but has not processed it yet.</p>
403	None	<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>One of these two error conditions:</p> <p>Too many requests have been sent in a given amount of time.</p>

Status code	Response model	Description
500	None	<p>Your account has exceeded the quota allotted for the resource that you're creating.</p> <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>

OPTIONS

Enable cross-origin resource sharing (CORS) by returning correct headers.

Path parameters

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

Responses

Status code	Response model	Description
200	None	200 OK response The list of tags is returned successfully.

Schemas

Response bodies

PackagingConfiguration schema

```
{
  "createdAt": "string",
  "packagingGroupId": "string",
  "dashPackage": {
    "includeEncoderConfigurationInSegments": boolean,
    "segmentDurationSeconds": integer,
    "encryption": {
      "spekeKeyProvider": {
        "encryptionContractConfiguration": {
          "presetSpeke20Audio": enum,
          "presetSpeke20Video": enum
        },
        "systemIds": [
          "string"
        ],
        "roleArn": "string",
        "url": "string"
      }
    },
    "segmentTemplateFormat": enum,
    "includeIframeOnlyStream": boolean,
    "periodTriggers": [
      enum
    ],
    "dashManifests": [
      {
        "minBufferTimeSeconds": integer,

```

```

    "manifestName": "string",
    "profile": enum,
    "manifestLayout": enum,
    "streamSelection": {
      "streamOrder": enum,
      "maxVideoBitsPerSecond": integer,
      "minVideoBitsPerSecond": integer
    },
    "scteMarkersSource": enum
  }
]
},
"id": "string",
"arn": "string",
"cmfPackage": {
  "includeEncoderConfigurationInSegments": boolean,
  "segmentDurationSeconds": integer,
  "encryption": {
    "constantInitializationVector": "string",
    "spekeKeyProvider": {
      "encryptionContractConfiguration": {
        "presetSpeke20Audio": enum,
        "presetSpeke20Video": enum
      },
      "systemIds": [
        "string"
      ],
      "roleArn": "string",
      "url": "string"
    }
  },
  "hlsManifests": [
    {
      "repeatExtXKey": boolean,
      "adMarkers": enum,
      "manifestName": "string",
      "programDateTimeIntervalSeconds": integer,
      "streamSelection": {
        "streamOrder": enum,
        "maxVideoBitsPerSecond": integer,
        "minVideoBitsPerSecond": integer
      },
      "includeIframeOnlyStream": boolean
    }
  ]
}

```

```

]
},
"hlPackage": {
  "useAudioRenditionGroup": boolean,
  "segmentDurationSeconds": integer,
  "encryption": {
    "constantInitializationVector": "string",
    "encryptionMethod": enum,
    "spekeKeyProvider": {
      "encryptionContractConfiguration": {
        "presetSpeke20Audio": enum,
        "presetSpeke20Video": enum
      },
      "systemIds": [
        "string"
      ],
      "roleArn": "string",
      "url": "string"
    }
  },
},
"hlManifests": [
  {
    "repeatExtXKey": boolean,
    "adMarkers": enum,
    "manifestName": "string",
    "programDateTimeIntervalSeconds": integer,
    "streamSelection": {
      "streamOrder": enum,
      "maxVideoBitsPerSecond": integer,
      "minVideoBitsPerSecond": integer
    },
    "includeIframeOnlyStream": boolean
  }
],
"includeDvbSubtitles": boolean
},
"mssPackage": {
  "segmentDurationSeconds": integer,
  "encryption": {
    "spekeKeyProvider": {
      "encryptionContractConfiguration": {
        "presetSpeke20Audio": enum,
        "presetSpeke20Video": enum
      }
    }
  },
},

```

```
    "systemIds": [
      "string"
    ],
    "roleArn": "string",
    "url": "string"
  }
},
"mssManifests": [
  {
    "manifestName": "string",
    "streamSelection": {
      "streamOrder": enum,
      "maxVideoBitsPerSecond": integer,
      "minVideoBitsPerSecond": integer
    }
  }
]
},
"tags": {
}
}
```

Properties

CmafEncryption

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

constantInitializationVector

An optional 128-bit, 16-byte hex value represented by a 32-character string, used in conjunction with the key for encrypting blocks. If you don't specify a value, then MediaPackage creates the constant initialization vector (IV).

Type: string

Required: False

spekeKeyProvider

Parameters for the SPEKE key provider.

Type: [SpekeKeyProvider](#)

Required: True

CmafPackage

Parameters for a packaging configuration that uses Common Media Application Format (CMAF) packaging.

includeEncoderConfigurationInSegments

When true, MediaPackage places your encoder's Sequence Parameter Set (SPS), Picture Parameter Set (PPS), and Video Parameter Set (VPS) metadata in every video segment instead of in the init fragment. This lets you use different SPS/PPS/VPS settings for your assets during content playback.

Type: boolean

Required: False

segmentDurationSeconds

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

Type: integer

Required: False

encryption

Parameters for encrypting content.

Type: [CmafEncryption](#)

Required: False

hlsManifests

A list of HLS manifest configurations available from this endpoint.

Type: Array of type [HlsManifest](#)

Required: True

DashEncryption

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](#)

Required: True

DashManifest

Parameters for a DASH manifest.

minBufferTimeSeconds

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

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 packaging configuration.

Type: string

Required: False

profile

The DASH profile type for the output.

Value description:

- NONE - The output doesn't use a DASH profile.
- HBBTV_1_5 - The output is compliant with HbbTV v1.5. For information about HbbTV v1.5, see the [HbbTV specification website](#).

Type: string

Required: False

Values: NONE | HBBTV_1_5

manifestLayout

Determines the position of some tags in the Media Presentation Description (MPD).

Value description:

- 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

streamSelection

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

Type: [StreamSelection](#)

Required: False

scteMarkersSource

The source of scte markers used.

Value description:

- SEGMENTS - The scte markers are sourced from the segments of the ingested content.
- MANIFEST - the scte markers are sourced from the manifest of the ingested content. The MANIFEST value is compatible with source HLS playlists using the SCTE-35 Enhanced syntax (EXT-0ATCLS-SCTE35 tags). SCTE-35 Elemental and SCTE-35 Daterange syntaxes are not supported with this option.

Type: string

Required: False

Values: SEGMENTS | MANIFEST

DashPackage

Parameters for a packaging configuration that uses DASH packaging.

includeEncoderConfigurationInSegments

When true, MediaPackage places your encoder's Sequence Parameter Set (SPS), Picture Parameter Set (PPS), and Video Parameter Set (VPS) metadata in every video segment instead of in the init fragment. This lets you use different SPS/PPS/VPS settings for your assets during content playback.

Type: boolean

Required: False

segmentDurationSeconds

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

Type: integer

Required: False

encryption

Parameters for encrypting content.

Type: [DashEncryption](#)

Required: False

segmentTemplateFormat

Determines the type of SegmentTemplate included in the MPD.

Value description:

- **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`.
- **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`.
- **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.

Type: string

Required: False

Values: NUMBER_WITH_TIMELINE | TIME_WITH_TIMELINE | NUMBER_WITH_DURATION

includeIframeOnlyStream

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

Type: boolean

Required: False

periodTriggers

A list of triggers that controls when the outgoing DASH Media Presentation Description (MPD) will be partitioned into multiple periods.

Value description:

- **NONE** - The entire duration of the output manifest is included in a single period.
- **ADS** - Multiple periods are added to the output manifest based on SCTE-35 ad markers in the source video stream.

Type: Array of type string

Required: False

Values: ADS

dashManifests

A list of DASH manifest configurations available from this endpoint.

Type: Array of type [DashManifest](#)

Required: True

EncryptionContractConfiguration

Use `encryptionContractConfiguration` to configure one or more content encryption keys for your endpoints that use SPEKE Version 2.0. The encryption contract defines the content keys used to encrypt the audio and video tracks in your stream. To configure the encryption contract, specify which audio and video encryption presets to use. For more information about these presets, see [SPEKE Version 2.0 Presets](#).

Note the following considerations when using `encryptionContractConfiguration`:

- You can use `encryptionContractConfiguration` for DASH endpoints that use SPEKE Version 2.0. SPEKE Version 2.0 relies on the CPIX Version 2.3 specification.
- You cannot combine an UNENCRYPTED preset with UNENCRYPTED or SHARED presets across `presetSpeke20Audio` and `presetSpeke20Video`.
- When you use a SHARED preset, you must use it for both `presetSpeke20Audio` and `presetSpeke20Video`.

presetSpeke20Audio

A collection of audio encryption presets.

Value description:

- PRESET-AUDIO-1 - Use one content key to encrypt all of the audio tracks in your stream.
- PRESET-AUDIO-2 - Use one content key to encrypt all of the stereo audio tracks and one content key to encrypt all of the multichannel audio tracks.
- PRESET-AUDIO-3 - Use one content key to encrypt all of the stereo audio tracks, one content key to encrypt all of the multichannel audio tracks with 3 to 6 channels, and one content key to encrypt all of the multichannel audio tracks with more than 6 channels.

- SHARED - Use the same content key for all of the audio and video tracks in your stream.
- UNENCRYPTED - Don't encrypt any of the audio tracks in your stream.

Type: string

Required: True

Values: PRESET-AUDIO-1 | PRESET-AUDIO-2 | PRESET-AUDIO-3 | SHARED | UNENCRYPTED

presetSpeke20Video

A collection of video encryption presets.

Value description:

- PRESET-VIDEO-1 - Use one content key to encrypt all of the video tracks in your stream.
- PRESET-VIDEO-2 - Use one content key to encrypt all of the SD video tracks and one content key for all HD and higher resolutions video tracks.
- PRESET-VIDEO-3 - Use one content key to encrypt all of the SD video tracks, one content key for HD video tracks and one content key for all UHD video tracks.
- PRESET-VIDEO-4 - Use one content key to encrypt all of the SD video tracks, one content key for HD video tracks, one content key for all UHD1 video tracks and one content key for all UHD2 video tracks.
- PRESET-VIDEO-5 - Use one content key to encrypt all of the SD video tracks, one content key for HD1 video tracks, one content key for HD2 video tracks, one content key for all UHD1 video tracks and one content key for all UHD2 video tracks.
- PRESET-VIDEO-6 - Use one content key to encrypt all of the SD video tracks, one content key for HD1 video tracks, one content key for HD2 video tracks and one content key for all UHD video tracks.
- PRESET-VIDEO-7 - Use one content key to encrypt all of the SD+HD1 video tracks, one content key for HD2 video tracks and one content key for all UHD video tracks.
- PRESET-VIDEO-8 - Use one content key to encrypt all of the SD+HD1 video tracks, one content key for HD2 video tracks, one content key for all UHD1 video tracks and one content key for all UHD2 video tracks.
- SHARED - Use the same content key for all of the video and audio tracks in your stream.
- UNENCRYPTED - Don't encrypt any of the video tracks in your stream.

Type: string

Required: True

Values: PRESET-VIDEO-1 | PRESET-VIDEO-2 | PRESET-VIDEO-3 | PRESET-VIDEO-4
| PRESET-VIDEO-5 | PRESET-VIDEO-6 | PRESET-VIDEO-7 | PRESET-VIDEO-8 |
SHARED | UNENCRYPTED

HlsEncryption

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

constantInitializationVector

A 128-bit, 16-byte hex value represented by a 32-character string, used in conjunction with the key for encrypting blocks. If you don't specify a constant initialization vector (IV), MediaPackage periodically rotates the IV.

Type: string

Required: False

encryptionMethod

HLS encryption type.

Type: string

Required: False

Values: AES_128 | SAMPLE_AES

spekeKeyProvider

Parameters for the SPEKE key provider.

Type: [SpekeKeyProvider](#)

Required: True

HlsManifest

Parameters for an HLS manifest.

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

adMarkers

This setting controls ad markers in the packaged content.

Value description:

- NONE - Omits SCTE-35 ad markers from the output.
- SCTE35_ENHANCED - Generates ad markers and blackout tags in the output, based on SCTE-35 messages in the source content.
- PASSTHROUGH - Copies SCTE-35 ad markers from the source content to the output.

Type: string

Required: False

Values: NONE | SCTE35_ENHANCED | PASSTHROUGH

manifestName

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

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's 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

streamSelection

Video bitrate limitations for outputs from this packaging configuration.

Type: [StreamSelection](#)

Required: False

includeIframeOnlyStream

Applies to stream sets with a single video track only. When enabled, the output includes an additional I-frame only trick-play stream, along with the other tracks.

Type: boolean

Required: False

HlsPackage

Parameters for a packaging configuration that uses HTTP Live Streaming (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 will be rounded to the nearest multiple of the source fragment duration.

Type: integer
Required: False

encryption

Parameters for encrypting content.

Type: [HlsEncryption](#)
Required: False

hlsManifests

A list of HLS manifest configurations available from this endpoint.

Type: Array of type [HlsManifest](#)
Required: True

includeDvbSubtitles

When enabled, MediaPackage passes through digital video broadcasting (DVB) subtitles into the output.

Type: boolean
Required: False

MssEncryption

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

spekeKeyProvider

Parameters for the SPEKE key provider.

Type: [SpekeKeyProvider](#)
Required: True

MssManifest

Parameters for a Microsoft Smooth manifest.

manifestName

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

Type: string

Required: False

streamSelection

Video bitrate limitations for outputs from this packaging configuration.

Type: [StreamSelection](#)

Required: False

MssPackage

Parameters for a packaging configuration that uses Microsoft Smooth Streaming (MSS) packaging.

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](#)

Required: False

mssManifests

A list of Microsoft Smooth manifest configurations available from this endpoint.

Type: Array of type [MssManifest](#)

Required: True

PackagingConfiguration

PackagingConfiguration.

createdAt

The date and time the PackagingConfiguration was created.

Type: string

Required: False

packagingGroupId

The ID of the packaging group associated with this packaging configuration.

Type: string

Required: False

dashPackage

Parameters for DASH-ISO packaging.

Type: [DashPackage](#)

Required: False

id

Unique identifier that you assign to the packaging configuration.

Type: string

Required: False

arn

The Amazon Resource Name (ARN) for the packaging configuration. You can get this from the response to any request to the packaging configuration.

Type: string

Required: False

cmfPackage

Parameters for CMAF packaging.

Type: [CmafPackage](#)

Required: False

hlsPackage

Parameters for Apple HLS packaging.

Type: [HlsPackage](#)

Required: False

mssPackage

Parameters for Microsoft Smooth Streaming packaging.

Type: [MssPackage](#)

Required: False

tags

The tags to assign to the packaging configuration.

Type: [Tags](#)

Required: False

SpekeKeyProvider

A configuration for accessing an external Secure Packager and Encoder Key Exchange (SPEKE) service that will provide encryption keys.

encryptionContractConfiguration

Use `encryptionContractConfiguration` to configure one or more content encryption keys for your endpoints that use SPEKE Version 2.0. The encryption contract defines which content keys are used to encrypt the audio and video tracks in your stream. To configure the encryption contract, specify which audio and video encryption presets to use.

Type: [EncryptionContractConfiguration](#)

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.

key-value pairs

Type: string

Packaging_groups

URI

/packaging_groups

HTTP methods

GET

Operation ID: ListPackagingGroups

Lists packaging groups that match a set of filters that you define.

Query parameters

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

Responses

Status code	Response model	Description
200	PackagingGroupList	200 OK response The list of tags 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

Status code	Response model	Description
429	None	<p>instructions in the body of the request.</p> <p>429 Too Many Requests response</p> <p>One of these two error conditions:</p> <p>Too many requests have been sent in a given amount of time.</p> <p>Your account has exceeded the quota allotted for the resource that you're creating.</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: CreatePackagingGroup

Creates a packaging group.

The packaging group holds one or more packaging configurations. When you create an asset, you specify the packaging group associated with the asset. The asset has playback endpoints for each packaging configuration within the group.

Responses

Status code	Response model	Description
200	PackagingGroup	<p>200 OK response</p> <p>The list of tags is returned successfully.</p>
403	None	<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>One of these two error conditions:</p>

Status code	Response model	Description
		Too many requests have been sent in a given amount of time.
		Your account has exceeded the quota allotted for the resource that you're creating.
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.

OPTIONS

Enable cross-origin resource sharing (CORS) by returning correct headers.

Responses

Status code	Response model	Description
200	None	200 OK response
		The list of tags is returned successfully.

Schemas

Request bodies

POST schema

```
{
  "authorization": {
    "cdnIdentifierSecret": "string",
    "secretsRoleArn": "string"
  },
  "egressAccessLogs": {
    "logGroupName": "string"
  },
  "id": "string",
  "tags": {
  }
}
```

Response bodies

PackagingGroupList schema

```
{
  "nextToken": "string",
  "packagingGroups": [
    {
      "authorization": {
        "cdnIdentifierSecret": "string",
        "secretsRoleArn": "string"
      },
      "createdAt": "string",
      "domainName": "string",
      "egressAccessLogs": {
        "logGroupName": "string"
      },
      "id": "string",
      "arn": "string",
      "approximateAssetCount": integer,
      "tags": {
      }
    }
  ]
}
```

```
}
```

PackagingGroup schema

```
{
  "authorization": {
    "cdnIdentifierSecret": "string",
    "secretsRoleArn": "string"
  },
  "createdAt": "string",
  "domainName": "string",
  "egressAccessLogs": {
    "logGroupName": "string"
  },
  "id": "string",
  "arn": "string",
  "approximateAssetCount": integer,
  "tags": {
  }
}
```

Properties

Authorization

Parameters for enabling CDN authorization.

cdnIdentifierSecret

The Amazon Resource Name (ARN) for the secret in AWS Secrets Manager that's used for CDN authorization.

Type: string

Required: True

secretsRoleArn

The ARN for the IAM role that allows MediaPackage to communicate with AWS Secrets Manager.

Type: string

Required: True

EgressAccessLogs

Configures egress access logs.

logGroupName

Sets a custom Amazon CloudWatch log group name for egress logs. If a log group name isn't specified, the default name is used: `/aws/MediaPackage/EgressAccessLogs`.

Type: string

Required: False

PackagingGroup

Parameters for a packaging group.

authorization

Parameters for CDN authorization.

Type: [Authorization](#)

Required: False

createdAt

The date and time the PackagingGroup was created.

Type: string

Required: False

domainName

The fully qualified domain name for assets in the PackagingGroup.

Type: string

Required: False

egressAccessLogs

The configuration parameters for egress access logging.

Type: [EgressAccessLogs](#)

Required: False

id

Unique identifier that you assign to the packaging group.

Type: string

Required: False

arn

The ARN for the packaging group. You can get this from the response to any request to the packaging group.

Type: string

Required: False

approximateAssetCount

The approximate number of assets in a packaging group. The number is approximate because the count is not updated immediately after adding or removing assets.

Type: integer

Required: False

tags

The tags to assign to the packaging group.

Type: [Tags](#)

Required: False

PackagingGroupCreateParameters

Parameters for creating a packaging group.

authorization

Parameters for CDN authorization.

Type: [Authorization](#)

Required: False

egressAccessLogs

The configuration parameters for egress access logging.

Type: [EgressAccessLogs](#)

Required: False

id

Unique identifier that you assign to the packaging group.

Type: string

Required: True

tags

The tags to assign to the packaging group.

Type: [Tags](#)

Required: False

PackagingGroupList

A collection of PackagingGroup records.

nextToken

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

Type: string

Required: False

packagingGroups

A list of PackagingGroup records that are configured on this account in this AWS Region.

Type: Array of type [PackagingGroup](#)

Required: False

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

Packaging_groups id

URI

/packaging_groups/*id*

HTTP methods

GET

Operation ID: DescribePackagingGroup

Provides details about a packaging group.

Path parameters

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

Responses

Status code	Response model	Description
200	PackagingGroup	<p>200 OK response</p> <p>The list of tags is returned successfully.</p>
403	None	<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>One of these two error conditions:</p> <p>Too many requests have been sent in a given amount of time.</p>

Status code	Response model	Description
500	None	<p>Your account has exceeded the quota allotted for the resource that you're creating.</p> <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: UpdatePackagingGroup

Updates a specific packaging group.

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

Path parameters

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

Responses

Status code	Response model	Description
200	PackagingGroup	<p>200 OK response</p> <p>The packaging group is updated successfully.</p>
403	None	<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>One of these two error conditions:</p> <p>Too many requests have been sent in a given amount of time.</p>

Status code	Response model	Description
500	None	<p>Your account has exceeded the quota allotted for the resource that you're creating.</p> <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: DeletePackagingGroup

Permanently deletes a packaging group.

Path parameters

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

Responses

Status code	Response model	Description
202	None	<p>202 Accepted response</p> <p>AWS Elemental MediaPackage accepted the request but has not processed it yet.</p>
403	None	<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>One of these two error conditions:</p> <p>Too many requests have been sent in a given amount of time.</p>

Status code	Response model	Description
500	None	<p>Your account has exceeded the quota allotted for the resource that you're creating.</p> <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>

OPTIONS

Enable cross-origin resource sharing (CORS) by returning correct headers.

Path parameters

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

Responses

Status code	Response model	Description
200	None	200 OK response The list of tags is returned successfully.

Schemas

Request bodies

PUT schema

```
{
  "authorization": {
    "cdnIdentifierSecret": "string",
    "secretsRoleArn": "string"
  }
}
```

Response bodies

PackagingGroup schema

```
{
  "authorization": {
    "cdnIdentifierSecret": "string",
    "secretsRoleArn": "string"
  },
  "createdAt": "string",
  "domainName": "string",
  "egressAccessLogs": {
    "logGroupName": "string"
  },
  "id": "string",
  "arn": "string",
  "approximateAssetCount": integer,
  "tags": {
  }
```

```
}
```

Properties

Authorization

Parameters for enabling CDN authorization.

cdnIdentifierSecret

The Amazon Resource Name (ARN) for the secret in AWS Secrets Manager that's used for CDN authorization.

Type: string

Required: True

secretsRoleArn

The ARN for the IAM role that allows MediaPackage to communicate with AWS Secrets Manager.

Type: string

Required: True

EgressAccessLogs

Configures egress access logs.

logGroupName

Sets a custom Amazon CloudWatch log group name for egress logs. If a log group name isn't specified, the default name is used: `/aws/MediaPackage/EgressAccessLogs`.

Type: string

Required: False

PackagingGroup

Parameters for a packaging group.

authorization

Parameters for CDN authorization.

Type: [Authorization](#)

Required: False

createdAt

The date and time the PackagingGroup was created.

Type: string

Required: False

domainName

The fully qualified domain name for assets in the PackagingGroup.

Type: string

Required: False

egressAccessLogs

The configuration parameters for egress access logging.

Type: [EgressAccessLogs](#)

Required: False

id

Unique identifier that you assign to the packaging group.

Type: string

Required: False

arn

The ARN for the packaging group. You can get this from the response to any request to the packaging group.

Type: string

Required: False

approximateAssetCount

The approximate number of assets in a packaging group. The number is approximate because the count is not updated immediately after adding or removing assets.

Type: integer

Required: False

tags

The tags to assign to the packaging group.

Type: [Tags](#)

Required: False

PackagingGroupUpdateParameters

Parameters used to update a MediaPackage packaging group.

authorization

Parameters for CDN authorization.

Type: [Authorization](#)

Required: False

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

Packaging_groups id Configure_logs

Configures access logs for a packaging group. For information about access logs, see [Access logging](#).

URI

/packaging_groups/*id*/configure_logs

HTTP methods

PUT

Operation ID: ConfigureLogs

Configures access logs for a packaging group.

Path parameters

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

Responses

Status code	Response model	Description
200	PackagingGroup	200 OK response The packaging group is updated successfully.
403	None	403 Forbidden response AWS Elemental MediaPackage cannot authorize the request, possibly due to insufficient authentication credentials.

Status code	Response model	Description
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>One of these two error conditions:</p> <p>Too many requests have been sent in a given amount of time.</p> <p>Your account has exceeded the quota allotted for the resource that you're creating.</p>
500	None	<p>500 Internal Server Error response</p> <p>An unexpected condition prevented AWS Elemental MediaPackage from fulfilling the request.</p>

Status code	Response model	Description
503	None	Service unavailable response AWS Elemental MediaPackage can't currently complete the request, usually because of a temporary overload or maintenance.

OPTIONS

Enable CORS by returning correct headers.

Path parameters

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

Responses

Status code	Response model	Description
200	None	200 OK response The list of tags is returned successfully.

Schemas

Request bodies

PUT schema

```
{
  "egressAccessLogs": {
    "logGroupName": "string"
  }
}
```

Response bodies

PackagingGroup schema

```
{
  "authorization": {
    "cdnIdentifierSecret": "string",
    "secretsRoleArn": "string"
  },
  "createdAt": "string",
  "domainName": "string",
  "egressAccessLogs": {
    "logGroupName": "string"
  },
  "id": "string",
  "arn": "string",
  "approximateAssetCount": integer,
  "tags": {
  }
}
```

Properties

Authorization

Parameters for enabling CDN authorization.

cdnIdentifierSecret

The Amazon Resource Name (ARN) for the secret in AWS Secrets Manager that's used for CDN authorization.

Type: string

Required: True

secretsRoleArn

The ARN for the IAM role that allows MediaPackage to communicate with AWS Secrets Manager.

Type: string

Required: True

ConfigureLogsParameters

The configuration parameters for access logging.

egressAccessLogs

Configures egress access logs.

Type: [EgressAccessLogs](#)

Required: False

EgressAccessLogs

Configures egress access logs.

logGroupName

Sets a custom Amazon CloudWatch log group name for egress logs. If a log group name isn't specified, the default name is used: `/aws/MediaPackage/EgressAccessLogs`.

Type: string

Required: False

PackagingGroup

Parameters for a packaging group.

authorization

Parameters for CDN authorization.

Type: [Authorization](#)

Required: False

createdAt

The date and time the PackagingGroup was created.

Type: string

Required: False

domainName

The fully qualified domain name for assets in the PackagingGroup.

Type: string

Required: False

egressAccessLogs

The configuration parameters for egress access logging.

Type: [EgressAccessLogs](#)

Required: False

id

Unique identifier that you assign to the packaging group.

Type: string

Required: False

arn

The ARN for the packaging group. You can get this from the response to any request to the packaging group.

Type: string

Required: False

approximateAssetCount

The approximate number of assets in a packaging group. The number is approximate because the count is not updated immediately after adding or removing assets.

Type: integer

Required: False

tags

The tags to assign to the packaging group.

Type: [Tags](#)

Required: False

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

Tags resource-arn

Manage tags for AWS Elemental MediaPackage packaging group. Tags are key-value pairs that you can associate with Amazon resources. MediaPackage offers tagging support for assets, packaging configurations, and packaging groups 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.

Path parameters

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

Responses

Status code	Response model	Description
200	tagsModel	200 response

POST

Operation ID: TagResource

Adds tags to the specified 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 resource. You can get this from the response to any request to the resource.

Responses

Status code	Response model	Description
204	None	204 response

DELETE

Operation ID: UntagResource

Removes tags from the specified 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 resource. 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 resource.

Responses

Status code	Response model	Description
204	None	204 response

Schemas

Request bodies

POST schema

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

Response bodies

tagsModel schema

```
{
  "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

Document History for API Reference

The following table describes the documentation for this release of AWS Elemental MediaPackage (MediaPackage).

- **API version:** latest

Change	Description	Date
New createdAt field	MediaPackage now provides the date and time the VOD asset, packaging configuration, and packaging group were created.	March 8, 2023
New approximateAssetCount field	MediaPackage now provides the approximate number of assets in a packaging group.	December 9, 2022
New includeIframeOnlyStream field	MediaPackage now supports I-frame only trick-play for DASH VOD workflows.	November 7, 2022
SPEKE Version 2.0 is now available for VOD	MediaPackage now supports SPEKE Version 2.0 with CMAF and DASH VOD workflows.	October 10, 2022
Add constant initialization vector (IV)	Added constant IV to a packaging configuration for HLS encryption.	August 21, 2019
New MediaPackage VOD release	Initial documentation for MediaPackage VOD.	May 17, 2019

AWS Glossary

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