aws

API Reference

AWS Elemental MediaTailor

API Version 2018-04-23

AWS Elemental MediaTailor: API Reference

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Welcome

Use the AWS Elemental MediaTailor SDKs and CLI to configure scalable ad insertion and linear channels. With MediaTailor, you can assemble existing content into a linear stream and serve targeted ads to viewers while maintaining broadcast quality in over-the-top (OTT) video applications. For information about using the service, including detailed information about the settings covered in this guide, see the AWS Elemental MediaTailor User Guide.

Through the SDKs and the CLI you manage AWS Elemental MediaTailor configurations and channels the same as you do through the console. For example, you specify ad insertion behavior and mapping information for the origin server and the ad decision server (ADS).

This document was last published on January 20, 2025.

Actions

The following actions are supported:

- ConfigureLogsForChannel
- ConfigureLogsForPlaybackConfiguration
- CreateChannel
- CreateLiveSource
- CreatePrefetchSchedule
- CreateProgram
- CreateSourceLocation
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- TagResource
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- UpdateLiveSource
- UpdateProgram
- UpdateSourceLocation
- UpdateVodSource

ConfigureLogsForChannel

Configures Amazon CloudWatch log settings for a channel.

Request Syntax

```
PUT /configureLogs/channel HTTP/1.1
Content-type: application/json

{
   "ChannelName": "string",
   "LogTypes": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ChannelName

The name of the channel.

Type: String

Required: Yes

LogTypes

The types of logs to collect.

Type: Array of strings

Valid Values: AS_RUN

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "ChannelName": "string",
   "LogTypes": [ "string" ]
}
```

Response Elements

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

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

ChannelName

The name of the channel.

Type: String

LogTypes

The types of logs collected.

Type: Array of strings

Valid Values: AS_RUN

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ConfigureLogsForPlaybackConfiguration

Amazon CloudWatch log settings for a playback configuration.

Request Syntax

```
PUT /configureLogs/playbackConfiguration HTTP/1.1
Content-type: application/json

{
   "PercentEnabled": number,
   "PlaybackConfigurationName": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

PercentEnabled

The percentage of session logs that MediaTailor sends to your Cloudwatch Logs account. For example, if your playback configuration has 1000 sessions and percentEnabled is set to 60, MediaTailor sends logs for 600 of the sessions to CloudWatch Logs. MediaTailor decides at random which of the playback configuration sessions to send logs for. If you want to view logs for a specific session, you can use the debug log mode.

Valid values: 0 - 100

Type: Integer

Required: Yes

PlaybackConfigurationName

The name of the playback configuration.

Type: String

Required: Yes

Response Syntax

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

{
   "PercentEnabled": number,
   "PlaybackConfigurationName": "string"
}
```

Response Elements

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

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

PercentEnabled

The percentage of session logs that MediaTailor sends to your Cloudwatch Logs account.

Type: Integer

PlaybackConfigurationName

The name of the playback configuration.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateChannel

Creates a channel. For information about MediaTailor channels, see Working with channels in the *MediaTailor User Guide*.

Request Syntax

```
POST /channel/ChannelName HTTP/1.1
Content-type: application/json

{
   "Audiences": [ "string" ],
   "FillerSlate": {
      "SourceLocationName": "string",
      "VodSourceName": "string"
   },
   "Outputs": [
      {
         "DashPlaylistSettings": {
            "ManifestWindowSeconds": number,
            "MinBufferTimeSeconds": number,
            "MinUpdatePeriodSeconds": number,
            "SuggestedPresentationDelaySeconds": number
         },
         "HlsPlaylistSettings": {
            "AdMarkupType": [ "string" ],
            "ManifestWindowSeconds": number
         },
         "ManifestName": "string",
         "SourceGroup": "string"
      }
   ],
   "PlaybackMode": "string",
   "tags": {
      "string" : "string"
   },
   "Tier": "string",
   "TimeShiftConfiguration": {
      "MaxTimeDelaySeconds": number
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

ChannelName

The name of the channel.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Audiences

The list of audiences defined in channel.

Type: Array of strings

Required: No

FillerSlate

The slate used to fill gaps between programs in the schedule. You must configure filler slate if your channel uses the `LINEAR` `PlaybackMode`. MediaTailor doesn't support filler slate for channels using the `LOOP` `PlaybackMode`.

Type: SlateSource object

Required: No

Outputs

The channel's output properties.

Type: Array of RequestOutputItem objects

Required: Yes

PlaybackMode

The type of playback mode to use for this channel.

`LINEAR` - The programs in the schedule play once back-to-back in the schedule.

`LOOP` - The programs in the schedule play back-to-back in an endless loop. When the last program in the schedule stops playing, playback loops back to the first program in the schedule.

Type: String

Valid Values: `LOOP | LINEAR`

Required: Yes

tags

The tags to assign to the channel. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Required: No

Tier

The tier of the channel.

Type: String

Valid Values: `BASIC | STANDARD`

Required: No

TimeShiftConfiguration

The time-shifted viewing configuration you want to associate to the channel.

Type: TimeShiftConfiguration object

Required: No

Response Syntax

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

```
{
   "Arn": "string",
   "Audiences": [ "string" ],
   "ChannelName": "string",
   "ChannelState": "string",
   "CreationTime": number,
   "FillerSlate": {
      "SourceLocationName": "string",
      "VodSourceName": "string"
   },
   "LastModifiedTime": number,
   "Outputs": [
      {
         "DashPlaylistSettings": {
            "ManifestWindowSeconds": number,
            "MinBufferTimeSeconds": number,
            "MinUpdatePeriodSeconds": number,
            "SuggestedPresentationDelaySeconds": number
         },
         "HlsPlaylistSettings": {
            "AdMarkupType": [ "string" ],
            "ManifestWindowSeconds": number
         },
         "ManifestName": "string",
         "PlaybackUrl": "string",
         "SourceGroup": "string"
      }
   ],
   "PlaybackMode": "string",
   "tags": {
      "string" : "string"
   },
   "Tier": "string",
   "TimeShiftConfiguration": {
      "MaxTimeDelaySeconds": number
   }
}
```

Response Elements

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

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

Arn

The Amazon Resource Name (ARN) to assign to the channel.

Type: String

Audiences

The list of audiences defined in channel.

Type: Array of strings

ChannelName

The name to assign to the channel.

Type: String

ChannelState

Indicates whether the channel is in a running state or not.

Type: String

Valid Values: `RUNNING | STOPPED`

CreationTime

The timestamp of when the channel was created.

Type: Timestamp

FillerSlate

Contains information about the slate used to fill gaps between programs in the schedule.

Type: SlateSource object

LastModifiedTime

The timestamp of when the channel was last modified.

Type: Timestamp

Outputs

The output properties to assign to the channel.

Type: Array of ResponseOutputItem objects

PlaybackMode

The playback mode to assign to the channel.

Type: String

tags

The tags to assign to the channel. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Tier

The tier of the channel.

Type: String

TimeShiftConfiguration

The time-shifted viewing configuration assigned to the channel.

Type: TimeShiftConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

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- AWS SDK for .NET
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- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateLiveSource

The live source configuration.

Request Syntax

```
POST /sourceLocation/SourceLocationName/liveSource/LiveSourceName HTTP/1.1
Content-type: application/json

{
   "HttpPackageConfigurations": [
      {
         "Path": "string",
         "SourceGroup": "string",
         "Type": "string"
      }
   ],
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

LiveSourceName

The name of the live source.

Required: Yes

SourceLocationName

The name of the source location.

Required: Yes

Request Body

The request accepts the following data in JSON format.

HttpPackageConfigurations

A list of HTTP package configuration parameters for this live source.

Type: Array of HttpPackageConfiguration objects

Required: Yes

tags

The tags to assign to the live source. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Required: No

Response Syntax

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

{
   "Arn": "string",
   "CreationTime": number,
   "HttpPackageConfigurations": [
      {
         "Path": "string",
         "SourceGroup": "string",
         "Type": "string"
      }
   ],
   "LastModifiedTime": number,
   "LiveSourceName": "string",
   "SourceLocationName": "string",
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

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

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

Arn

The ARN to assign to the live source.

Type: String

CreationTime

The time the live source was created.

Type: Timestamp

HttpPackageConfigurations

A list of HTTP package configuration parameters for this live source.

Type: Array of HttpPackageConfiguration objects

LastModifiedTime

The time the live source was last modified.

Type: Timestamp

LiveSourceName

The name to assign to the live source.

Type: String

SourceLocationName

The name to assign to the source location of the live source.

Type: String

tags

The tags to assign to the live source. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

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

CreatePrefetchSchedule

Creates a prefetch schedule for a playback configuration. A prefetch schedule allows you to tell MediaTailor to fetch and prepare certain ads before an ad break happens. For more information about ad prefetching, see Using ad prefetching in the *MediaTailor User Guide*.

Request Syntax

```
POST /prefetchSchedule/PlaybackConfigurationName/Name HTTP/1.1
Content-type: application/json

{
   "Consumption": {
      "AvailMatchingCriteria": [
         {
            "DynamicVariable": "string",
            "Operator": "string"
         }
      ],
      "EndTime": number,
      "StartTime": number
   },
   "Retrieval": {
      "DynamicVariables": {
         "string" : "string"
      },
      "EndTime": number,
      "StartTime": number
   },
   "StreamId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

Name

The name to assign to the schedule request.

Required: Yes

PlaybackConfigurationName

The name to assign to the playback configuration.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Consumption

The configuration settings for MediaTailor's *consumption* of the prefetched ads from the ad decision server. Each consumption configuration contains an end time and an optional start time that define the *consumption window*. Prefetch schedules automatically expire no earlier than seven days after the end time.

Type: PrefetchConsumption object

Required: Yes

Retrieval

The configuration settings for retrieval of prefetched ads from the ad decision server. Only one set of prefetched ads will be retrieved and subsequently consumed for each ad break.

Type: PrefetchRetrieval object

Required: Yes

StreamId

An optional stream identifier that MediaTailor uses to prefetch ads for multiple streams that use the same playback configuration. If `StreamId` is specified, MediaTailor returns all of the prefetch schedules with an exact match on `StreamId`. If not specified, MediaTailor returns all of the prefetch schedules for the playback configuration, regardless of `StreamId`.

Type: String

Required: No

Response Syntax

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

{
   "Arn": "string",
   "Consumption": {
      "AvailMatchingCriteria": [
         {
            "DynamicVariable": "string",
            "Operator": "string"
         }
      ],
      "EndTime": number,
      "StartTime": number
   },
   "Name": "string",
   "PlaybackConfigurationName": "string",
   "Retrieval": {
      "DynamicVariables": {
         "string" : "string"
      },
      "EndTime": number,
      "StartTime": number
   },
   "StreamId": "string"
}
```

Response Elements

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

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

Arn

The ARN to assign to the prefetch schedule.

Type: String

Consumption

The configuration settings for MediaTailor's *consumption* of the prefetched ads from the ad decision server. Each consumption configuration contains an end time and an optional start time that define the *consumption window*. Prefetch schedules automatically expire no earlier than seven days after the end time.

Type: PrefetchConsumption object

Name

The name to assign to the prefetch schedule.

Type: String

PlaybackConfigurationName

The name to assign to the playback configuration.

Type: String

Retrieval

The configuration settings for retrieval of prefetched ads from the ad decision server. Only one set of prefetched ads will be retrieved and subsequently consumed for each ad break.

Type: PrefetchRetrieval object

StreamId

An optional stream identifier that MediaTailor uses to prefetch ads for multiple streams that use the same playback configuration. If `StreamId` is specified, MediaTailor returns all of the prefetch schedules with an exact match on `StreamId`. If not specified, MediaTailor returns all of the prefetch schedules for the playback configuration, regardless of `StreamId`.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateProgram

Creates a program within a channel. For information about programs, see Working with programs in the *MediaTailor User Guide*.

Request Syntax

```
POST /channel/ChannelName/program/ProgramName HTTP/1.1
Content-type: application/json

{
   "AdBreaks": [
      {
         "AdBreakMetadata": [
            {
               "Key": "string",
               "Value": "string"
            }
         ],
         "MessageType": "string",
         "OffsetMillis": number,
         "Slate": {
            "SourceLocationName": "string",
            "VodSourceName": "string"
         },
         "SpliceInsertMessage": {
            "AvailNum": number,
            "AvailsExpected": number,
            "SpliceEventId": number,
            "UniqueProgramId": number
         },
         "TimeSignalMessage": {
            "SegmentationDescriptors": [
               {
                  "SegmentationEventId": number,
                  "SegmentationTypeId": number,
                  "SegmentationUpid": "string",
                  "SegmentationUpidType": number,
                  "SegmentNum": number,
                  "SegmentsExpected": number,
                  "SubSegmentNum": number,
                  "SubSegmentsExpected": number
               }
```

```
            ]
         }
      }
   ],
   "AudienceMedia": [
      {
         "AlternateMedia": [
            {
               "AdBreaks": [
                  {
                     "AdBreakMetadata": [
                        {
                           "Key": "string",
                           "Value": "string"
                        }
                     ],
                     "MessageType": "string",
                     "OffsetMillis": number,
                     "Slate": {
                        "SourceLocationName": "string",
                        "VodSourceName": "string"
                     },
                     "SpliceInsertMessage": {
                        "AvailNum": number,
                        "AvailsExpected": number,
                        "SpliceEventId": number,
                        "UniqueProgramId": number
                     },
                     "TimeSignalMessage": {
                        "SegmentationDescriptors": [
                           {
                              "SegmentationEventId": number,
                              "SegmentationTypeId": number,
                              "SegmentationUpid": "string",
                              "SegmentationUpidType": number,
                              "SegmentNum": number,
                              "SegmentsExpected": number,
                              "SubSegmentNum": number,
                              "SubSegmentsExpected": number
                           }
                        ]
                     }
                  }
               ],
```

```
                "ClipRange": {
                   "EndOffsetMillis": number,
                   "StartOffsetMillis": number
                },
                "DurationMillis": number,
                "LiveSourceName": "string",
                "ScheduledStartTimeMillis": number,
                "SourceLocationName": "string",
                "VodSourceName": "string"
             }
          ],
          "Audience": "string"
       }
    ],
    "LiveSourceName": "string",
    "ScheduleConfiguration": {
       "ClipRange": {
          "EndOffsetMillis": number,
          "StartOffsetMillis": number
       },
       "Transition": {
          "DurationMillis": number,
          "RelativePosition": "string",
          "RelativeProgram": "string",
          "ScheduledStartTimeMillis": number,
          "Type": "string"
       }
    },
    "SourceLocationName": "string",
    "VodSourceName": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

ChannelName

The name of the channel for this Program.

Required: Yes

ProgramName

The name of the Program.

Required: Yes

Request Body

The request accepts the following data in JSON format.

AdBreaks

The ad break configuration settings.

Type: Array of AdBreak objects

Required: No

AudienceMedia

The list of AudienceMedia defined in program.

Type: Array of AudienceMedia objects

Required: No

LiveSourceName

The name of the LiveSource for this Program.

Type: String

Required: No

ScheduleConfiguration

The schedule configuration settings.

Type: ScheduleConfiguration object

Required: Yes

SourceLocationName

The name of the source location.

Type: String

Required: Yes

VodSourceName

The name that's used to refer to a VOD source.

Type: String

Required: No

Response Syntax

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

{
   "AdBreaks": [
      {
         "AdBreakMetadata": [
            {
               "Key": "string",
               "Value": "string"
            }
         ],
         "MessageType": "string",
         "OffsetMillis": number,
         "Slate": {
            "SourceLocationName": "string",
            "VodSourceName": "string"
         },
         "SpliceInsertMessage": {
            "AvailNum": number,
            "AvailsExpected": number,
            "SpliceEventId": number,
            "UniqueProgramId": number
         },
         "TimeSignalMessage": {
            "SegmentationDescriptors": [
               {
                  "SegmentationEventId": number,
                  "SegmentationTypeId": number,
                  "SegmentationUpid": "string",
                  "SegmentationUpidType": number,
```

```
                "SegmentNum": number,
                "SegmentsExpected": number,
                "SubSegmentNum": number,
                "SubSegmentsExpected": number
             }
          ]
       }
    }
 ],
 "Arn": "string",
 "AudienceMedia": [
    {
       "AlternateMedia": [
          {
             "AdBreaks": [
                {
                   "AdBreakMetadata": [
                      {
                         "Key": "string",
                         "Value": "string"
                      }
                   ],
                   "MessageType": "string",
                   "OffsetMillis": number,
                   "Slate": {
                      "SourceLocationName": "string",
                      "VodSourceName": "string"
                   },
                   "SpliceInsertMessage": {
                      "AvailNum": number,
                      "AvailsExpected": number,
                      "SpliceEventId": number,
                      "UniqueProgramId": number
                   },
                   "TimeSignalMessage": {
                      "SegmentationDescriptors": [
                         {
                            "SegmentationEventId": number,
                            "SegmentationTypeId": number,
                            "SegmentationUpid": "string",
                            "SegmentationUpidType": number,
                            "SegmentNum": number,
                            "SegmentsExpected": number,
                            "SubSegmentNum": number,
```

```
                            "SubSegmentsExpected": number
                         }
                      ]
                   }
                }
             ],
             "ClipRange": {
                "EndOffsetMillis": number,
                "StartOffsetMillis": number
             },
             "DurationMillis": number,
             "LiveSourceName": "string",
             "ScheduledStartTimeMillis": number,
             "SourceLocationName": "string",
             "VodSourceName": "string"
          }
       ],
       "Audience": "string"
    }
 ],
 "ChannelName": "string",
 "ClipRange": {
    "EndOffsetMillis": number,
    "StartOffsetMillis": number
 },
 "CreationTime": number,
 "DurationMillis": number,
 "LiveSourceName": "string",
 "ProgramName": "string",
 "ScheduledStartTime": number,
 "SourceLocationName": "string",
 "VodSourceName": "string"
}
```

Response Elements

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

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

AdBreaks

The ad break configuration settings.

Type: Array of AdBreak objects

Arn

The ARN to assign to the program.

Type: String

AudienceMedia

The list of AudienceMedia defined in program.

Type: Array of AudienceMedia objects

ChannelName

The name to assign to the channel for this program.

Type: String

ClipRange

The clip range configuration settings.

Type: ClipRange object

CreationTime

The time the program was created.

Type: Timestamp

DurationMillis

The duration of the live program in milliseconds.

Type: Long

LiveSourceName

The name of the LiveSource for this Program.

Type: String

ProgramName

The name to assign to this program.

Type: String

ScheduledStartTime

The scheduled start time for this Program.

Type: Timestamp

SourceLocationName

The name to assign to the source location for this program.

Type: String

VodSourceName

The name that's used to refer to a VOD source.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateSourceLocation

Creates a source location. A source location is a container for sources. For more information about source locations, see Working with source locations in the *MediaTailor User Guide*.

Request Syntax

```
POST /sourceLocation/SourceLocationName HTTP/1.1
Content-type: application/json

{
   "AccessConfiguration": {
      "AccessType": "string",
      "SecretsManagerAccessTokenConfiguration": {
         "HeaderName": "string",
         "SecretArn": "string",
         "SecretStringKey": "string"
      }
   },
   "DefaultSegmentDeliveryConfiguration": {
      "BaseUrl": "string"
   },
   "HttpConfiguration": {
      "BaseUrl": "string"
   },
   "SegmentDeliveryConfigurations": [
      {
         "BaseUrl": "string",
         "Name": "string"
      }
   ],
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

SourceLocationName

The name associated with the source location.

Required: Yes

Request Body

The request accepts the following data in JSON format.

AccessConfiguration

Access configuration parameters. Configures the type of authentication used to access content from your source location.

Type: AccessConfiguration object

Required: No

DefaultSegmentDeliveryConfiguration

The optional configuration for the server that serves segments.

Type: DefaultSegmentDeliveryConfiguration object

Required: No

HttpConfiguration

The source's HTTP package configurations.

Type: HttpConfiguration object

Required: Yes

SegmentDeliveryConfigurations

A list of the segment delivery configurations associated with this resource.

Type: Array of SegmentDeliveryConfiguration objects

Required: No

tags

The tags to assign to the source location. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Required: No

Response Syntax

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

{
   "AccessConfiguration": {
      "AccessType": "string",
      "SecretsManagerAccessTokenConfiguration": {
         "HeaderName": "string",
         "SecretArn": "string",
         "SecretStringKey": "string"
      }
   },
   "Arn": "string",
   "CreationTime": number,
   "DefaultSegmentDeliveryConfiguration": {
      "BaseUrl": "string"
   },
   "HttpConfiguration": {
      "BaseUrl": "string"
   },
   "LastModifiedTime": number,
   "SegmentDeliveryConfigurations": [
      {
         "BaseUrl": "string",
         "Name": "string"
      }
   ],
   "SourceLocationName": "string",
   "tags": {
      "string" : "string"
```

```
    }
}
```

Response Elements

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

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

AccessConfiguration

Access configuration parameters. Configures the type of authentication used to access content from your source location.

Type: AccessConfiguration object

Arn

The ARN to assign to the source location.

Type: String

CreationTime

The time the source location was created.

Type: Timestamp

DefaultSegmentDeliveryConfiguration

The optional configuration for the server that serves segments.

Type: DefaultSegmentDeliveryConfiguration object

HttpConfiguration

The source's HTTP package configurations.

Type: HttpConfiguration object

LastModifiedTime

The time the source location was last modified.

Type: Timestamp

SegmentDeliveryConfigurations

The segment delivery configurations for the source location. For information about MediaTailor configurations, see Working with configurations in AWS Elemental MediaTailor.

Type: Array of SegmentDeliveryConfiguration objects

SourceLocationName

The name to assign to the source location.

Type: String

tags

The tags to assign to the source location. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateVodSource

The VOD source configuration parameters.

Request Syntax

```
POST /sourceLocation/SourceLocationName/vodSource/VodSourceName HTTP/1.1
Content-type: application/json

{
   "HttpPackageConfigurations": [
      {
         "Path": "string",
         "SourceGroup": "string",
         "Type": "string"
      }
   ],
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

SourceLocationName

The name of the source location for this VOD source.

Required: Yes

VodSourceName

The name associated with the VOD source.>

Required: Yes

Request Body

The request accepts the following data in JSON format.

HttpPackageConfigurations

A list of HTTP package configuration parameters for this VOD source.

Type: Array of HttpPackageConfiguration objects

Required: Yes

tags

The tags to assign to the VOD source. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Required: No

Response Syntax

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

{
   "Arn": "string",
   "CreationTime": number,
   "HttpPackageConfigurations": [
      {
         "Path": "string",
         "SourceGroup": "string",
         "Type": "string"
      }
   ],
   "LastModifiedTime": number,
   "SourceLocationName": "string",
   "tags": {
      "string" : "string"
   },
   "VodSourceName": "string"
}
```

Response Elements

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

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

Arn

The ARN to assign to this VOD source.

Type: String

CreationTime

The time the VOD source was created.

Type: Timestamp

HttpPackageConfigurations

A list of HTTP package configuration parameters for this VOD source.

Type: Array of HttpPackageConfiguration objects

LastModifiedTime

The time the VOD source was last modified.

Type: Timestamp

SourceLocationName

The name to assign to the source location for this VOD source.

Type: String

tags

The tags to assign to the VOD source. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

VodSourceName

The name to assign to the VOD source.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteChannel

Deletes a channel. For information about MediaTailor channels, see Working with channels in the *MediaTailor User Guide*.

Request Syntax

```
DELETE /channel/ChannelName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ChannelName

The name of the channel.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteChannelPolicy

The channel policy to delete.

Request Syntax

```
DELETE /channel/ChannelName/policy HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ChannelName

The name of the channel associated with this channel policy.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteLiveSource

The live source to delete.

Request Syntax

```
DELETE /sourceLocation/SourceLocationName/liveSource/LiveSourceName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

LiveSourceName

The name of the live source.

Required: Yes

SourceLocationName

The name of the source location associated with this Live Source.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeletePlaybackConfiguration

Deletes a playback configuration. For information about MediaTailor configurations, see Working with configurations in AWS Elemental MediaTailor.

Request Syntax

```
DELETE /playbackConfiguration/Name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

Name

The name of the playback configuration.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeletePrefetchSchedule

Deletes a prefetch schedule for a specific playback configuration. If you call `DeletePrefetchSchedule` on an expired prefetch schedule, MediaTailor returns an HTTP 404 status code. For more information about ad prefetching, see Using ad prefetching in the *MediaTailor User Guide*.

Request Syntax

```
DELETE /prefetchSchedule/PlaybackConfigurationName/Name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

Name

The name of the prefetch schedule. If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Required: Yes

PlaybackConfigurationName

The name of the playback configuration for this prefetch schedule.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteProgram

Deletes a program within a channel. For information about programs, see Working with programs in the *MediaTailor User Guide*.

Request Syntax

```
DELETE /channel/ChannelName/program/ProgramName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ChannelName

The name of the channel.

Required: Yes

ProgramName

The name of the program.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteSourceLocation

Deletes a source location. A source location is a container for sources. For more information about source locations, see Working with source locations in the *MediaTailor User Guide*.

Request Syntax

```
DELETE /sourceLocation/SourceLocationName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

SourceLocationName

The name of the source location.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DeleteVodSource

The video on demand (VOD) source to delete.

Request Syntax

```
DELETE /sourceLocation/SourceLocationName/vodSource/VodSourceName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

SourceLocationName

The name of the source location associated with this VOD Source.

Required: Yes

VodSourceName

The name of the VOD source.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeChannel

Describes a channel. For information about MediaTailor channels, see Working with channels in the *MediaTailor User Guide*.

Request Syntax

```
GET /channel/ChannelName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ChannelName

The name of the channel.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "Arn": "string",
   "Audiences": [ "string" ],
   "ChannelName": "string",
   "ChannelState": "string",
   "CreationTime": number,
   "FillerSlate": {
      "SourceLocationName": "string",
      "VodSourceName": "string"
   },
   "LastModifiedTime": number,
   "LogConfiguration": {
```

```
      "LogTypes": [ "string" ]
   },
   "Outputs": [
      {
         "DashPlaylistSettings": {
            "ManifestWindowSeconds": number,
            "MinBufferTimeSeconds": number,
            "MinUpdatePeriodSeconds": number,
            "SuggestedPresentationDelaySeconds": number
         },
         "HlsPlaylistSettings": {
            "AdMarkupType": [ "string" ],
            "ManifestWindowSeconds": number
         },
         "ManifestName": "string",
         "PlaybackUrl": "string",
         "SourceGroup": "string"
      }
   ],
   "PlaybackMode": "string",
   "tags": {
      "string" : "string"
   },
   "Tier": "string",
   "TimeShiftConfiguration": {
      "MaxTimeDelaySeconds": number
   }
}
```

Response Elements

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

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

Arn

The ARN of the channel.

Type: String

Audiences

The list of audiences defined in channel.

Type: Array of strings

ChannelName

The name of the channel.

Type: String

ChannelState

Indicates whether the channel is in a running state or not.

Type: String

Valid Values: `RUNNING | STOPPED`

CreationTime

The timestamp of when the channel was created.

Type: Timestamp

FillerSlate

Contains information about the slate used to fill gaps between programs in the schedule.

Type: SlateSource object

LastModifiedTime

The timestamp of when the channel was last modified.

Type: Timestamp

LogConfiguration

The log configuration for the channel.

Type: LogConfigurationForChannel object

Outputs

The channel's output properties.

Type: Array of ResponseOutputItem objects

PlaybackMode

The channel's playback mode.

Type: String

tags

The tags assigned to the channel. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Tier

The channel's tier.

Type: String

TimeShiftConfiguration

The time-shifted viewing configuration for the channel.

Type: TimeShiftConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeLiveSource

The live source to describe.

Request Syntax

```
GET /sourceLocation/SourceLocationName/liveSource/LiveSourceName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

LiveSourceName

The name of the live source.

Required: Yes

SourceLocationName

The name of the source location associated with this Live Source.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "Arn": "string",
   "CreationTime": number,
   "HttpPackageConfigurations": [
      {
         "Path": "string",
         "SourceGroup": "string",
         "Type": "string"
```

```
      }
   ],
   "LastModifiedTime": number,
   "LiveSourceName": "string",
   "SourceLocationName": "string",
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

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

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

Arn

The ARN of the live source.

Type: String

CreationTime

The timestamp that indicates when the live source was created.

Type: Timestamp

HttpPackageConfigurations

The HTTP package configurations.

Type: Array of HttpPackageConfiguration objects

LastModifiedTime

The timestamp that indicates when the live source was modified.

Type: Timestamp

LiveSourceName

The name of the live source.

Type: String

SourceLocationName

The name of the source location associated with the live source.

Type: String

tags

The tags assigned to the live source. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeProgram

Describes a program within a channel. For information about programs, see Working with programs in the *MediaTailor User Guide*.

Request Syntax

```
GET /channel/ChannelName/program/ProgramName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ChannelName

The name of the channel associated with this Program.

Required: Yes

ProgramName

The name of the program.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "AdBreaks": [
      {
         "AdBreakMetadata": [
            {
               "Key": "string",
               "Value": "string"
            }
```

```
         ],
         "MessageType": "string",
         "OffsetMillis": number,
         "Slate": {
            "SourceLocationName": "string",
            "VodSourceName": "string"
         },
         "SpliceInsertMessage": {
            "AvailNum": number,
            "AvailsExpected": number,
            "SpliceEventId": number,
            "UniqueProgramId": number
         },
         "TimeSignalMessage": {
            "SegmentationDescriptors": [
               {
                  "SegmentationEventId": number,
                  "SegmentationTypeId": number,
                  "SegmentationUpid": "string",
                  "SegmentationUpidType": number,
                  "SegmentNum": number,
                  "SegmentsExpected": number,
                  "SubSegmentNum": number,
                  "SubSegmentsExpected": number
               }
            ]
         }
      }
   ],
   "Arn": "string",
   "AudienceMedia": [
      {
         "AlternateMedia": [
            {
               "AdBreaks": [
                  {
                     "AdBreakMetadata": [
                        {
                           "Key": "string",
                           "Value": "string"
                        }
                     ],
                     "MessageType": "string",
                     "OffsetMillis": number,
```

```
                    "Slate": {
                       "SourceLocationName": "string",
                       "VodSourceName": "string"
                    },
                    "SpliceInsertMessage": {
                       "AvailNum": number,
                       "AvailsExpected": number,
                       "SpliceEventId": number,
                       "UniqueProgramId": number
                    },
                    "TimeSignalMessage": {
                       "SegmentationDescriptors": [
                          {
                             "SegmentationEventId": number,
                             "SegmentationTypeId": number,
                             "SegmentationUpid": "string",
                             "SegmentationUpidType": number,
                             "SegmentNum": number,
                             "SegmentsExpected": number,
                             "SubSegmentNum": number,
                             "SubSegmentsExpected": number
                          }
                       ]
                    }
                 }
              ],
              "ClipRange": {
                 "EndOffsetMillis": number,
                 "StartOffsetMillis": number
              },
              "DurationMillis": number,
              "LiveSourceName": "string",
              "ScheduledStartTimeMillis": number,
              "SourceLocationName": "string",
              "VodSourceName": "string"
           }
        ],
        "Audience": "string"
     }
  ],
  "ChannelName": "string",
  "ClipRange": {
     "EndOffsetMillis": number,
     "StartOffsetMillis": number
```

```
    },
    "CreationTime": number,
    "DurationMillis": number,
    "LiveSourceName": "string",
    "ProgramName": "string",
    "ScheduledStartTime": number,
    "SourceLocationName": "string",
    "VodSourceName": "string"
}
```

Response Elements

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

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

AdBreaks

The ad break configuration settings.

Type: Array of AdBreak objects

Arn

The ARN of the program.

Type: String

AudienceMedia

The list of AudienceMedia defined in program.

Type: Array of AudienceMedia objects

ChannelName

The name of the channel that the program belongs to.

Type: String

ClipRange

The clip range configuration settings.

Type: ClipRange object

CreationTime

The timestamp of when the program was created.

Type: Timestamp

DurationMillis

The duration of the live program in milliseconds.

Type: Long

LiveSourceName

The name of the LiveSource for this Program.

Type: String

ProgramName

The name of the program.

Type: String

ScheduledStartTime

The date and time that the program is scheduled to start in ISO 8601 format and Coordinated Universal Time (UTC). For example, the value 2021-03-27T17:48:16.751Z represents March 27, 2021 at 17:48:16.751 UTC.

Type: Timestamp

SourceLocationName

The source location name.

Type: String

VodSourceName

The name that's used to refer to a VOD source.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeSourceLocation

Describes a source location. A source location is a container for sources. For more information about source locations, see Working with source locations in the *MediaTailor User Guide*.

Request Syntax

```
GET /sourceLocation/SourceLocationName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

SourceLocationName

The name of the source location.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "AccessConfiguration": {
      "AccessType": "string",
      "SecretsManagerAccessTokenConfiguration": {
         "HeaderName": "string",
         "SecretArn": "string",
         "SecretStringKey": "string"
      }
   },
   "Arn": "string",
   "CreationTime": number,
   "DefaultSegmentDeliveryConfiguration": {
```

```
      "BaseUrl": "string"
   },
   "HttpConfiguration": {
      "BaseUrl": "string"
   },
   "LastModifiedTime": number,
   "SegmentDeliveryConfigurations": [
      {
         "BaseUrl": "string",
         "Name": "string"
      }
   ],
   "SourceLocationName": "string",
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

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

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

AccessConfiguration

The access configuration for the source location.

Type: AccessConfiguration object

Arn

The ARN of the source location.

Type: String

CreationTime

The timestamp that indicates when the source location was created.

Type: Timestamp

DefaultSegmentDeliveryConfiguration

The default segment delivery configuration settings.

Type: DefaultSegmentDeliveryConfiguration object

HttpConfiguration

The HTTP package configuration settings for the source location.

Type: HttpConfiguration object

LastModifiedTime

The timestamp that indicates when the source location was last modified.

Type: Timestamp

SegmentDeliveryConfigurations

A list of the segment delivery configurations associated with this resource.

Type: Array of SegmentDeliveryConfiguration objects

SourceLocationName

The name of the source location.

Type: String

tags

The tags assigned to the source location. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeVodSource

Provides details about a specific video on demand (VOD) source in a specific source location.

Request Syntax

```
GET /sourceLocation/SourceLocationName/vodSource/VodSourceName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

SourceLocationName

The name of the source location associated with this VOD Source.

Required: Yes

VodSourceName

The name of the VOD Source.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "AdBreakOpportunities": [
      {
         "OffsetMillis": number
      }
   ],
   "Arn": "string",
```

```
   "CreationTime": number,
   "HttpPackageConfigurations": [
      {
         "Path": "string",
         "SourceGroup": "string",
         "Type": "string"
      }
   ],
   "LastModifiedTime": number,
   "SourceLocationName": "string",
   "tags": {
      "string" : "string"
   },
   "VodSourceName": "string"
}
```

Response Elements

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

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

AdBreakOpportunities

The ad break opportunities within the VOD source.

Type: Array of AdBreakOpportunity objects

Arn

The ARN of the VOD source.

Type: String

CreationTime

The timestamp that indicates when the VOD source was created.

Type: Timestamp

HttpPackageConfigurations

The HTTP package configurations.

Type: Array of HttpPackageConfiguration objects

LastModifiedTime

The last modified time of the VOD source.

Type: Timestamp

SourceLocationName

The name of the source location associated with the VOD source.

Type: String

tags

The tags assigned to the VOD source. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

VodSourceName

The name of the VOD source.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetChannelPolicy

Returns the channel's IAM policy. IAM policies are used to control access to your channel.

Request Syntax

```
GET /channel/ChannelName/policy HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ChannelName

The name of the channel associated with this Channel Policy.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "Policy": "string"
}
```

Response Elements

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

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

Policy

The IAM policy for the channel. IAM policies are used to control access to your channel.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetChannelSchedule

Retrieves information about your channel's schedule.

Request Syntax

```
GET /channel/ChannelName/schedule?
audience=Audience&durationMinutes=DurationMinutes&maxResults=MaxResults&nextToken=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

Audience

The single audience for GetChannelScheduleRequest.

ChannelName

The name of the channel associated with this Channel Schedule.

Required: Yes

DurationMinutes

The duration in minutes of the channel schedule.

MaxResults

The maximum number of channel schedules that you want MediaTailor to return in response to the current request. If there are more than `MaxResults` channel schedules, use the value of `NextToken` in the response to get the next page of results.

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

NextToken

(Optional) If the playback configuration has more than `MaxResults` channel schedules, use `NextToken` to get the second and subsequent pages of results.

For the first `GetChannelScheduleRequest` request, omit this value.

For the second and subsequent requests, get the value of `NextToken` from the previous response and specify that value for `NextToken` in the request.

If the previous response didn't include a `NextToken` element, there are no more channel schedules to get.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "Items": [
      {
         "ApproximateDurationSeconds": number,
         "ApproximateStartTime": number,
         "Arn": "string",
         "Audiences": [ "string" ],
         "ChannelName": "string",
         "LiveSourceName": "string",
         "ProgramName": "string",
         "ScheduleAdBreaks": [
            {
               "ApproximateDurationSeconds": number,
               "ApproximateStartTime": number,
               "SourceLocationName": "string",
               "VodSourceName": "string"
            }
         ],
         "ScheduleEntryType": "string",
         "SourceLocationName": "string",
         "VodSourceName": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

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

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

Items

A list of schedule entries for the channel.

Type: Array of ScheduleEntry objects

NextToken

Pagination token returned by the list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetPlaybackConfiguration

Retrieves a playback configuration. For information about MediaTailor configurations, see Working with configurations in AWS Elemental MediaTailor.

Request Syntax

```
GET /playbackConfiguration/Name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

Name

The identifier for the playback configuration.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "AdDecisionServerUrl": "string",
   "AvailSuppression": {
      "FillPolicy": "string",
      "Mode": "string",
      "Value": "string"
   },
   "Bumper": {
      "EndUrl": "string",
      "StartUrl": "string"
   },
   "CdnConfiguration": {
      "AdSegmentUrlPrefix": "string",
```

```
      "ContentSegmentUrlPrefix": "string"
   },
   "ConfigurationAliases": {
      "string" : {
         "string" : "string"
      }
   },
   "DashConfiguration": {
      "ManifestEndpointPrefix": "string",
      "MpdLocation": "string",
      "OriginManifestType": "string"
   },
   "HlsConfiguration": {
      "ManifestEndpointPrefix": "string"
   },
   "InsertionMode": "string",
   "LivePreRollConfiguration": {
      "AdDecisionServerUrl": "string",
      "MaxDurationSeconds": number
   },
   "LogConfiguration": {
      "PercentEnabled": number
   },
   "ManifestProcessingRules": {
      "AdMarkerPassthrough": {
         "Enabled": boolean
      }
   },
   "Name": "string",
   "PersonalizationThresholdSeconds": number,
   "PlaybackConfigurationArn": "string",
   "PlaybackEndpointPrefix": "string",
   "SessionInitializationEndpointPrefix": "string",
   "SlateAdUrl": "string",
   "tags": {
      "string" : "string"
   },
   "TranscodeProfileName": "string",
   "VideoContentSourceUrl": "string"
}
```

Response Elements

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

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

AdDecisionServerUrl

The URL for the ad decision server (ADS). This includes the specification of static parameters and placeholders for dynamic parameters. AWS Elemental MediaTailor substitutes player-specific and session-specific parameters as needed when calling the ADS. Alternately, for testing, you can provide a static VAST URL. The maximum length is 25,000 characters.

Type: String

AvailSuppression

The configuration for avail suppression, also known as ad suppression. For more information about ad suppression, see Ad Suppression.

Type: AvailSuppression object

Bumper

The configuration for bumpers. Bumpers are short audio or video clips that play at the start or before the end of an ad break. To learn more about bumpers, see Bumpers.

Type: Bumper object

CdnConfiguration

The configuration for using a content delivery network (CDN), like Amazon CloudFront, for content and ad segment management.

Type: CdnConfiguration object

ConfigurationAliases

The player parameters and aliases used as dynamic variables during session initialization. For more information, see Domain Variables.

Type: String to string to string map map

DashConfiguration

The configuration for DASH content.

Type: DashConfiguration object

HlsConfiguration

The configuration for HLS content.

Type: HlsConfiguration object

InsertionMode

The setting that controls whether players can use stitched or guided ad insertion. The default, `STITCHED_ONLY`, forces all player sessions to use stitched (server-side) ad insertion. Choosing `PLAYER_SELECT` allows players to select either stitched or guided ad insertion at session-initialization time. The default for players that do not specify an insertion mode is stitched.

Type: String

Valid Values: `STITCHED_ONLY | PLAYER_SELECT`

LivePreRollConfiguration

The configuration for pre-roll ad insertion.

Type: LivePreRollConfiguration object

LogConfiguration

The Amazon CloudWatch log settings for a playback configuration.

Type: LogConfiguration object

ManifestProcessingRules

The configuration for manifest processing rules. Manifest processing rules enable customization of the personalized manifests created by MediaTailor.

Type: ManifestProcessingRules object

Name

The identifier for the playback configuration.

Type: String

PersonalizationThresholdSeconds

Defines the maximum duration of underfilled ad time (in seconds) allowed in an ad break. If the duration of underfilled ad time exceeds the personalization threshold, then the personalization

of the ad break is abandoned and the underlying content is shown. This feature applies to *ad replacement* in live and VOD streams, rather than ad insertion, because it relies on an underlying content stream. For more information about ad break behavior, including ad replacement and insertion, see Ad Behavior in AWS Elemental MediaTailor.

Type: Integer

Valid Range: Minimum value of 1.

PlaybackConfigurationArn

The Amazon Resource Name (ARN) for the playback configuration.

Type: String

PlaybackEndpointPrefix

The URL that the player accesses to get a manifest from AWS Elemental MediaTailor. This session will use server-side reporting.

Type: String

SessionInitializationEndpointPrefix

The URL that the player uses to initialize a session that uses client-side reporting.

Type: String

SlateAdUrl

The URL for a high-quality video asset to transcode and use to fill in time that's not used by ads. AWS Elemental MediaTailor shows the slate to fill in gaps in media content. Configuring the slate is optional for non-VPAID playback configurations. For VPAID, the slate is required because MediaTailor provides it in the slots designated for dynamic ad content. The slate must be a high-quality asset that contains both audio and video.

Type: String

tags

The tags assigned to the playback configuration. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

TranscodeProfileName

The name that is used to associate this playback configuration with a custom transcode profile. This overrides the dynamic transcoding defaults of MediaTailor. Use this only if you have already set up custom profiles with the help of AWS Support.

Type: String

VideoContentSourceUrl

The URL prefix for the parent manifest for the stream, minus the asset ID. The maximum length is 512 characters.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetPrefetchSchedule

Retrieves a prefetch schedule for a playback configuration. A prefetch schedule allows you to tell MediaTailor to fetch and prepare certain ads before an ad break happens. For more information about ad prefetching, see Using ad prefetching in the *MediaTailor User Guide*.

Request Syntax

```
GET /prefetchSchedule/PlaybackConfigurationName/Name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

Name

The name of the prefetch schedule. The name must be unique among all prefetch schedules that are associated with the specified playback configuration.

Required: Yes

PlaybackConfigurationName

Returns information about the prefetch schedule for a specific playback configuration. If you call `GetPrefetchSchedule` on an expired prefetch schedule, MediaTailor returns an HTTP 404 status code.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
```

```
   "Arn": "string",
   "Consumption": {
      "AvailMatchingCriteria": [
         {
            "DynamicVariable": "string",
            "Operator": "string"
         }
      ],
      "EndTime": number,
      "StartTime": number
   },
   "Name": "string",
   "PlaybackConfigurationName": "string",
   "Retrieval": {
      "DynamicVariables": {
         "string" : "string"
      },
      "EndTime": number,
      "StartTime": number
   },
   "StreamId": "string"
}
```

Response Elements

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

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

Arn

The Amazon Resource Name (ARN) of the prefetch schedule.

Type: String

Consumption

Consumption settings determine how, and when, MediaTailor places the prefetched ads into ad breaks. Ad consumption occurs within a span of time that you define, called a *consumption window*. You can designate which ad breaks that MediaTailor fills with prefetch ads by setting avail matching criteria.

Type: PrefetchConsumption object

Name

The name of the prefetch schedule. The name must be unique among all prefetch schedules that are associated with the specified playback configuration.

Type: String

PlaybackConfigurationName

The name of the playback configuration to create the prefetch schedule for.

Type: String

Retrieval

A complex type that contains settings for prefetch retrieval from the ad decision server (ADS).

Type: PrefetchRetrieval object

StreamId

An optional stream identifier that you can specify in order to prefetch for multiple streams that use the same playback configuration.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListAlerts

Lists the alerts that are associated with a MediaTailor channel assembly resource.

Request Syntax

```
GET /alerts?maxResults=MaxResults&nextToken=NextToken&resourceArn=ResourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of alerts that you want MediaTailor to return in response to the current request. If there are more than `MaxResults` alerts, use the value of `NextToken` in the response to get the next page of results.

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

NextToken

Pagination token returned by the list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

ResourceArn

The Amazon Resource Name (ARN) of the resource.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
```

```
   "Items": [
      {
         "AlertCode": "string",
         "AlertMessage": "string",
         "Category": "string",
         "LastModifiedTime": number,
         "RelatedResourceArns": [ "string" ],
         "ResourceArn": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

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

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

Items

A list of alerts that are associated with this resource.

Type: Array of Alert objects

NextToken

Pagination token returned by the list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListChannels

Retrieves information about the channels that are associated with the current AWS account.

Request Syntax

```
GET /channels?maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of channels that you want MediaTailor to return in response to the current request. If there are more than `MaxResults` channels, use the value of `NextToken` in the response to get the next page of results.

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

NextToken

Pagination token returned by the list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "Items": [
      {
         "Arn": "string",
         "Audiences": [ "string" ],
```

```
         "ChannelName": "string",
         "ChannelState": "string",
         "CreationTime": number,
         "FillerSlate": {
            "SourceLocationName": "string",
            "VodSourceName": "string"
         },
         "LastModifiedTime": number,
         "LogConfiguration": {
            "LogTypes": [ "string" ]
         },
         "Outputs": [
            {
               "DashPlaylistSettings": {
                  "ManifestWindowSeconds": number,
                  "MinBufferTimeSeconds": number,
                  "MinUpdatePeriodSeconds": number,
                  "SuggestedPresentationDelaySeconds": number
               },
               "HlsPlaylistSettings": {
                  "AdMarkupType": [ "string" ],
                  "ManifestWindowSeconds": number
               },
               "ManifestName": "string",
               "PlaybackUrl": "string",
               "SourceGroup": "string"
            }
         ],
         "PlaybackMode": "string",
         "tags": {
            "string" : "string"
         },
         "Tier": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

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

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

Items

A list of channels that are associated with this account.

Type: Array of Channel objects

NextToken

Pagination token returned by the list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListLiveSources

Lists the live sources contained in a source location. A source represents a piece of content.

Request Syntax

```
GET /sourceLocation/SourceLocationName/liveSources?
maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of live sources that you want MediaTailor to return in response to the current request. If there are more than `MaxResults` live sources, use the value of `NextToken` in the response to get the next page of results.

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

NextToken

Pagination token returned by the list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

SourceLocationName

The name of the source location associated with this Live Sources list.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "Items": [
      {
         "Arn": "string",
         "CreationTime": number,
         "HttpPackageConfigurations": [
            {
               "Path": "string",
               "SourceGroup": "string",
               "Type": "string"
            }
         ],
         "LastModifiedTime": number,
         "LiveSourceName": "string",
         "SourceLocationName": "string",
         "tags": {
            "string" : "string"
         }
      }
   ],
   "NextToken": "string"
}
```

Response Elements

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

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

Items

Lists the live sources.

Type: Array of LiveSource objects

NextToken

Pagination token returned by the list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListPlaybackConfigurations

Retrieves existing playback configurations. For information about MediaTailor configurations, see Working with Configurations in AWS Elemental MediaTailor.

Request Syntax

```
GET /playbackConfigurations?MaxResults=MaxResults&NextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of playback configurations that you want MediaTailor to return in response to the current request. If there are more than `MaxResults` playback configurations, use the value of `NextToken` in the response to get the next page of results.

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

NextToken

Pagination token returned by the list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "Items": [
      {
         "AdDecisionServerUrl": "string",
         "AvailSuppression": {
            "FillPolicy": "string",
```

```
      "Mode": "string",
      "Value": "string"
   },
   "Bumper": {
      "EndUrl": "string",
      "StartUrl": "string"
   },
   "CdnConfiguration": {
      "AdSegmentUrlPrefix": "string",
      "ContentSegmentUrlPrefix": "string"
   },
   "ConfigurationAliases": {
      "string" : {
         "string" : "string"
      }
   },
   "DashConfiguration": {
      "ManifestEndpointPrefix": "string",
      "MpdLocation": "string",
      "OriginManifestType": "string"
   },
   "HlsConfiguration": {
      "ManifestEndpointPrefix": "string"
   },
   "InsertionMode": "string",
   "LivePreRollConfiguration": {
      "AdDecisionServerUrl": "string",
      "MaxDurationSeconds": number
   },
   "LogConfiguration": {
      "PercentEnabled": number
   },
   "ManifestProcessingRules": {
      "AdMarkerPassthrough": {
         "Enabled": boolean
      }
   },
   "Name": "string",
   "PersonalizationThresholdSeconds": number,
   "PlaybackConfigurationArn": "string",
   "PlaybackEndpointPrefix": "string",
   "SessionInitializationEndpointPrefix": "string",
   "SlateAdUrl": "string",
   "tags": {
```

```
            "string" : "string"
         },
         "TranscodeProfileName": "string",
         "VideoContentSourceUrl": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

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

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

Items

Array of playback configurations. This might be all the available configurations or a subset, depending on the settings that you provide and the total number of configurations stored.

Type: Array of PlaybackConfiguration objects

NextToken

Pagination token returned by the GET list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListPrefetchSchedules

Lists the prefetch schedules for a playback configuration.

Request Syntax

```
POST /prefetchSchedule/PlaybackConfigurationName HTTP/1.1
Content-type: application/json

{
   "MaxResults": number,
   "NextToken": "string",
   "StreamId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

PlaybackConfigurationName

Retrieves the prefetch schedule(s) for a specific playback configuration.

Required: Yes

Request Body

The request accepts the following data in JSON format.

MaxResults

The maximum number of prefetch schedules that you want MediaTailor to return in response to the current request. If there are more than `MaxResults` prefetch schedules, use the value of `NextToken` in the response to get the next page of results.

Type: Integer

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

Required: No

NextToken

(Optional) If the playback configuration has more than `MaxResults` prefetch schedules, use `NextToken` to get the second and subsequent pages of results.

For the first `ListPrefetchSchedulesRequest` request, omit this value.

For the second and subsequent requests, get the value of `NextToken` from the previous response and specify that value for `NextToken` in the request.

If the previous response didn't include a `NextToken` element, there are no more prefetch schedules to get.

Type: String

Required: No

StreamId

An optional filtering parameter whereby MediaTailor filters the prefetch schedules to include only specific streams.

Type: String

Required: No

Response Syntax

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

{
   "Items": [
      {
         "Arn": "string",
         "Consumption": {
            "AvailMatchingCriteria": [
               {
                  "DynamicVariable": "string",
                  "Operator": "string"
               }
```

```
            ],
            "EndTime": number,
            "StartTime": number
         },
         "Name": "string",
         "PlaybackConfigurationName": "string",
         "Retrieval": {
            "DynamicVariables": {
               "string" : "string"
            },
            "EndTime": number,
            "StartTime": number
         },
         "StreamId": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

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

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

Items

Lists the prefetch schedules. An empty `Items` list doesn't mean there aren't more items to fetch, just that that page was empty.

Type: Array of PrefetchSchedule objects

NextToken

Pagination token returned by the list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListSourceLocations

Lists the source locations for a channel. A source location defines the host server URL, and contains a list of sources.

Request Syntax

```
GET /sourceLocations?maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of source locations that you want MediaTailor to return in response to the current request. If there are more than `MaxResults` source locations, use the value of `NextToken` in the response to get the next page of results.

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

NextToken

Pagination token returned by the list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "Items": [
      {
         "AccessConfiguration": {
```

```
            "AccessType": "string",
            "SecretsManagerAccessTokenConfiguration": {
               "HeaderName": "string",
               "SecretArn": "string",
               "SecretStringKey": "string"
            }
         },
         "Arn": "string",
         "CreationTime": number,
         "DefaultSegmentDeliveryConfiguration": {
            "BaseUrl": "string"
         },
         "HttpConfiguration": {
            "BaseUrl": "string"
         },
         "LastModifiedTime": number,
         "SegmentDeliveryConfigurations": [
            {
               "BaseUrl": "string",
               "Name": "string"
            }
         ],
         "SourceLocationName": "string",
         "tags": {
            "string" : "string"
         }
      }
   ],
   "NextToken": "string"
}
```

Response Elements

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

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

Items

A list of source locations.

Type: Array of SourceLocation objects

NextToken

Pagination token returned by the list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListTagsForResource

A list of tags that are associated with this resource. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Request Syntax

```
GET /tags/ResourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

The Amazon Resource Name (ARN) associated with this resource.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

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

Response Elements

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

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

tags

The tags associated with this resource. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListVodSources

Lists the VOD sources contained in a source location. A source represents a piece of content.

Request Syntax

```
GET /sourceLocation/SourceLocationName/vodSources?
maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of VOD sources that you want MediaTailor to return in response to the current request. If there are more than `MaxResults` VOD sources, use the value of `NextToken` in the response to get the next page of results.

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

NextToken

Pagination token returned by the list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

SourceLocationName

The name of the source location associated with this VOD Source list.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "Items": [
      {
         "Arn": "string",
         "CreationTime": number,
         "HttpPackageConfigurations": [
            {
               "Path": "string",
               "SourceGroup": "string",
               "Type": "string"
            }
         ],
         "LastModifiedTime": number,
         "SourceLocationName": "string",
         "tags": {
            "string" : "string"
         },
         "VodSourceName": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

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

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

Items

Lists the VOD sources.

Type: Array of VodSource objects

NextToken

Pagination token returned by the list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutChannelPolicy

Creates an IAM policy for the channel. IAM policies are used to control access to your channel.

Request Syntax

```
PUT /channel/ChannelName/policy HTTP/1.1
Content-type: application/json

{
   "Policy": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

ChannelName

The channel name associated with this Channel Policy.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Policy

Adds an IAM role that determines the permissions of your channel.

Type: String

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

PutPlaybackConfiguration

Creates a playback configuration. For information about MediaTailor configurations, see Working with configurations in AWS Elemental MediaTailor.

Request Syntax

```
PUT /playbackConfiguration HTTP/1.1
Content-type: application/json

{
   "AdDecisionServerUrl": "string",
   "AvailSuppression": {
      "FillPolicy": "string",
      "Mode": "string",
      "Value": "string"
   },
   "Bumper": {
      "EndUrl": "string",
      "StartUrl": "string"
   },
   "CdnConfiguration": {
      "AdSegmentUrlPrefix": "string",
      "ContentSegmentUrlPrefix": "string"
   },
   "ConfigurationAliases": {
      "string" : {
         "string" : "string"
      }
   },
   "DashConfiguration": {
      "MpdLocation": "string",
      "OriginManifestType": "string"
   },
   "InsertionMode": "string",
   "LivePreRollConfiguration": {
      "AdDecisionServerUrl": "string",
      "MaxDurationSeconds": number
   },
   "ManifestProcessingRules": {
      "AdMarkerPassthrough": {
         "Enabled": boolean
      }
```

```
    },
    "Name": "string",
    "PersonalizationThresholdSeconds": number,
    "SlateAdUrl": "string",
    "tags": {
       "string" : "string"
    },
    "TranscodeProfileName": "string",
    "VideoContentSourceUrl": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AdDecisionServerUrl

The URL for the ad decision server (ADS). This includes the specification of static parameters and placeholders for dynamic parameters. AWS Elemental MediaTailor substitutes player-specific and session-specific parameters as needed when calling the ADS. Alternately, for testing you can provide a static VAST URL. The maximum length is 25,000 characters.

Type: String

Required: No

AvailSuppression

The configuration for avail suppression, also known as ad suppression. For more information about ad suppression, see Ad Suppression.

Type: AvailSuppression object

Required: No

Bumper

The configuration for bumpers. Bumpers are short audio or video clips that play at the start or before the end of an ad break. To learn more about bumpers, see Bumpers.

Type: Bumper object

Required: No

CdnConfiguration

The configuration for using a content delivery network (CDN), like Amazon CloudFront, for content and ad segment management.

Type: CdnConfiguration object

Required: No

ConfigurationAliases

The player parameters and aliases used as dynamic variables during session initialization. For more information, see Domain Variables.

Type: String to string to string map map

Required: No

DashConfiguration

The configuration for DASH content.

Type: DashConfigurationForPut object

Required: No

InsertionMode

The setting that controls whether players can use stitched or guided ad insertion. The default, `STITCHED_ONLY`, forces all player sessions to use stitched (server-side) ad insertion. Choosing `PLAYER_SELECT` allows players to select either stitched or guided ad insertion at session-initialization time. The default for players that do not specify an insertion mode is stitched.

Type: String

Valid Values: `STITCHED_ONLY | PLAYER_SELECT`

Required: No

LivePreRollConfiguration

The configuration for pre-roll ad insertion.

Type: LivePreRollConfiguration object

Required: No

ManifestProcessingRules

The configuration for manifest processing rules. Manifest processing rules enable customization of the personalized manifests created by MediaTailor.

Type: ManifestProcessingRules object

Required: No

Name

The identifier for the playback configuration.

Type: String

Required: Yes

PersonalizationThresholdSeconds

Defines the maximum duration of underfilled ad time (in seconds) allowed in an ad break. If the duration of underfilled ad time exceeds the personalization threshold, then the personalization of the ad break is abandoned and the underlying content is shown. This feature applies to *ad replacement* in live and VOD streams, rather than ad insertion, because it relies on an underlying content stream. For more information about ad break behavior, including ad replacement and insertion, see Ad Behavior in AWS Elemental MediaTailor.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

SlateAdUrl

The URL for a high-quality video asset to transcode and use to fill in time that's not used by ads. AWS Elemental MediaTailor shows the slate to fill in gaps in media content. Configuring the slate is optional for non-VPAID configurations. For VPAID, the slate is required because MediaTailor provides it in the slots that are designated for dynamic ad content. The slate must be a high-quality asset that contains both audio and video.

Type: String

Required: No

tags

The tags to assign to the playback configuration. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Required: No

TranscodeProfileName

The name that is used to associate this playback configuration with a custom transcode profile. This overrides the dynamic transcoding defaults of MediaTailor. Use this only if you have already set up custom profiles with the help of AWS Support.

Type: String

Required: No

VideoContentSourceUrl

The URL prefix for the parent manifest for the stream, minus the asset ID. The maximum length is 512 characters.

Type: String

Required: No

Response Syntax

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

{
   "AdDecisionServerUrl": "string",
   "AvailSuppression": {
      "FillPolicy": "string",
      "Mode": "string",
      "Value": "string"
   },
   "Bumper": {
      "EndUrl": "string",
      "StartUrl": "string"
```

```
   },
   "CdnConfiguration": {
      "AdSegmentUrlPrefix": "string",
      "ContentSegmentUrlPrefix": "string"
   },
   "ConfigurationAliases": {
      "string" : {
         "string" : "string"
      }
   },
   "DashConfiguration": {
      "ManifestEndpointPrefix": "string",
      "MpdLocation": "string",
      "OriginManifestType": "string"
   },
   "HlsConfiguration": {
      "ManifestEndpointPrefix": "string"
   },
   "InsertionMode": "string",
   "LivePreRollConfiguration": {
      "AdDecisionServerUrl": "string",
      "MaxDurationSeconds": number
   },
   "LogConfiguration": {
      "PercentEnabled": number
   },
   "ManifestProcessingRules": {
      "AdMarkerPassthrough": {
         "Enabled": boolean
      }
   },
   "Name": "string",
   "PersonalizationThresholdSeconds": number,
   "PlaybackConfigurationArn": "string",
   "PlaybackEndpointPrefix": "string",
   "SessionInitializationEndpointPrefix": "string",
   "SlateAdUrl": "string",
   "tags": {
      "string" : "string"
   },
   "TranscodeProfileName": "string",
   "VideoContentSourceUrl": "string"
}
```

Response Elements

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

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

AdDecisionServerUrl

The URL for the ad decision server (ADS). This includes the specification of static parameters and placeholders for dynamic parameters. AWS Elemental MediaTailor substitutes player-specific and session-specific parameters as needed when calling the ADS. Alternately, for testing you can provide a static VAST URL. The maximum length is 25,000 characters.

Type: String

AvailSuppression

The configuration for avail suppression, also known as ad suppression. For more information about ad suppression, see Ad Suppression.

Type: AvailSuppression object

Bumper

The configuration for bumpers. Bumpers are short audio or video clips that play at the start or before the end of an ad break. To learn more about bumpers, see Bumpers.

Type: Bumper object

CdnConfiguration

The configuration for using a content delivery network (CDN), like Amazon CloudFront, for content and ad segment management.

Type: CdnConfiguration object

ConfigurationAliases

The player parameters and aliases used as dynamic variables during session initialization. For more information, see Domain Variables.

Type: String to string to string map map

DashConfiguration

The configuration for DASH content.

Type: DashConfiguration object

HlsConfiguration

The configuration for HLS content.

Type: HlsConfiguration object

InsertionMode

The setting that controls whether players can use stitched or guided ad insertion. The default, `STITCHED_ONLY`, forces all player sessions to use stitched (server-side) ad insertion. Choosing `PLAYER_SELECT` allows players to select either stitched or guided ad insertion at session-initialization time. The default for players that do not specify an insertion mode is stitched.

Type: String

Valid Values: `STITCHED_ONLY | PLAYER_SELECT`

LivePreRollConfiguration

The configuration for pre-roll ad insertion.

Type: LivePreRollConfiguration object

LogConfiguration

The Amazon CloudWatch log settings for a playback configuration.

Type: LogConfiguration object

ManifestProcessingRules

The configuration for manifest processing rules. Manifest processing rules enable customization of the personalized manifests created by MediaTailor.

Type: ManifestProcessingRules object

Name

The identifier for the playback configuration.

Type: String

PersonalizationThresholdSeconds

Defines the maximum duration of underfilled ad time (in seconds) allowed in an ad break. If the duration of underfilled ad time exceeds the personalization threshold, then the personalization

of the ad break is abandoned and the underlying content is shown. This feature applies to *ad replacement* in live and VOD streams, rather than ad insertion, because it relies on an underlying content stream. For more information about ad break behavior, including ad replacement and insertion, see Ad Behavior in AWS Elemental MediaTailor.

Type: Integer

Valid Range: Minimum value of 1.

PlaybackConfigurationArn

The Amazon Resource Name (ARN) associated with the playback configuration.

Type: String

PlaybackEndpointPrefix

The playback endpoint prefix associated with the playback configuration.

Type: String

SessionInitializationEndpointPrefix

The session initialization endpoint prefix associated with the playback configuration.

Type: String

SlateAdUrl

The URL for a high-quality video asset to transcode and use to fill in time that's not used by ads. AWS Elemental MediaTailor shows the slate to fill in gaps in media content. Configuring the slate is optional for non-VPAID configurations. For VPAID, the slate is required because MediaTailor provides it in the slots that are designated for dynamic ad content. The slate must be a high-quality asset that contains both audio and video.

Type: String

tags

The tags to assign to the playback configuration. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

TranscodeProfileName

The name that is used to associate this playback configuration with a custom transcode profile. This overrides the dynamic transcoding defaults of MediaTailor. Use this only if you have already set up custom profiles with the help of AWS Support.

Type: String

VideoContentSourceUrl

The URL prefix for the parent manifest for the stream, minus the asset ID. The maximum length is 512 characters.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StartChannel

Starts a channel. For information about MediaTailor channels, see Working with channels in the *MediaTailor User Guide*.

Request Syntax

```
PUT /channel/ChannelName/start HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ChannelName

The name of the channel.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

StopChannel

Stops a channel. For information about MediaTailor channels, see Working with channels in the *MediaTailor User Guide*.

Request Syntax

```
PUT /channel/ChannelName/stop HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ChannelName

The name of the channel.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

The resource to tag. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Request Syntax

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

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

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

The Amazon Resource Name (ARN) associated with the resource.

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

The tags to assign to the resource. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UntagResource

The resource to untag.

Request Syntax

```
DELETE /tags/ResourceArn?tagKeys=TagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

The Amazon Resource Name (ARN) of the resource to untag.

Required: Yes

TagKeys

The tag keys associated with the resource.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

BadRequestException

A request contains unexpected data.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateChannel

Updates a channel. For information about MediaTailor channels, see Working with channels in the *MediaTailor User Guide*.

Request Syntax

```
PUT /channel/ChannelName HTTP/1.1
Content-type: application/json

{
   "Audiences": [ "string" ],
   "FillerSlate": {
      "SourceLocationName": "string",
      "VodSourceName": "string"
   },
   "Outputs": [
      {
         "DashPlaylistSettings": {
            "ManifestWindowSeconds": number,
            "MinBufferTimeSeconds": number,
            "MinUpdatePeriodSeconds": number,
            "SuggestedPresentationDelaySeconds": number
         },
         "HlsPlaylistSettings": {
            "AdMarkupType": [ "string" ],
            "ManifestWindowSeconds": number
         },
         "ManifestName": "string",
         "SourceGroup": "string"
      }
   ],
   "TimeShiftConfiguration": {
      "MaxTimeDelaySeconds": number
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

ChannelName

The name of the channel.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Audiences

The list of audiences defined in channel.

Type: Array of strings

Required: No

FillerSlate

The slate used to fill gaps between programs in the schedule. You must configure filler slate if your channel uses the `LINEAR` `PlaybackMode`. MediaTailor doesn't support filler slate for channels using the `LOOP` `PlaybackMode`.

Type: SlateSource object

Required: No

Outputs

The channel's output properties.

Type: Array of RequestOutputItem objects

Required: Yes

TimeShiftConfiguration

The time-shifted viewing configuration you want to associate to the channel.

Type: TimeShiftConfiguration object

Required: No

Response Syntax

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

{
   "Arn": "string",
   "Audiences": [ "string" ],
   "ChannelName": "string",
   "ChannelState": "string",
   "CreationTime": number,
   "FillerSlate": {
      "SourceLocationName": "string",
      "VodSourceName": "string"
   },
   "LastModifiedTime": number,
   "Outputs": [
      {
         "DashPlaylistSettings": {
            "ManifestWindowSeconds": number,
            "MinBufferTimeSeconds": number,
            "MinUpdatePeriodSeconds": number,
            "SuggestedPresentationDelaySeconds": number
         },
         "HlsPlaylistSettings": {
            "AdMarkupType": [ "string" ],
            "ManifestWindowSeconds": number
         },
         "ManifestName": "string",
         "PlaybackUrl": "string",
         "SourceGroup": "string"
      }
   ],
   "PlaybackMode": "string",
   "tags": {
      "string" : "string"
   },
   "Tier": "string",
   "TimeShiftConfiguration": {
      "MaxTimeDelaySeconds": number
   }
}
```

Response Elements

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

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

Arn

The Amazon Resource Name (ARN) associated with the channel.

Type: String

Audiences

The list of audiences defined in channel.

Type: Array of strings

ChannelName

The name of the channel.

Type: String

ChannelState

Returns the state whether the channel is running or not.

Type: String

Valid Values: `RUNNING | STOPPED`

CreationTime

The timestamp of when the channel was created.

Type: Timestamp

FillerSlate

The slate used to fill gaps between programs in the schedule. You must configure filler slate if your channel uses the `LINEAR` `PlaybackMode`. MediaTailor doesn't support filler slate for channels using the `LOOP` `PlaybackMode`.

Type: SlateSource object

LastModifiedTime

The timestamp that indicates when the channel was last modified.

Type: Timestamp

Outputs

The channel's output properties.

Type: Array of ResponseOutputItem objects

PlaybackMode

The type of playback mode for this channel.

`LINEAR` - Programs play back-to-back only once.

`LOOP` - Programs play back-to-back in an endless loop. When the last program in the schedule plays, playback loops back to the first program in the schedule.

Type: String

tags

The tags to assign to the channel. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Tier

The tier associated with this Channel.

Type: String

TimeShiftConfiguration

The time-shifted viewing configuration for the channel.

Type: TimeShiftConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateLiveSource

Updates a live source's configuration.

Request Syntax

```
PUT /sourceLocation/SourceLocationName/liveSource/LiveSourceName HTTP/1.1
Content-type: application/json

{
   "HttpPackageConfigurations": [
      {
         "Path": "string",
         "SourceGroup": "string",
         "Type": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

LiveSourceName

The name of the live source.

Required: Yes

SourceLocationName

The name of the source location associated with this Live Source.

Required: Yes

Request Body

The request accepts the following data in JSON format.

HttpPackageConfigurations

A list of HTTP package configurations for the live source on this account.

Type: Array of HttpPackageConfiguration objects

Required: Yes

Response Syntax

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

{
   "Arn": "string",
   "CreationTime": number,
   "HttpPackageConfigurations": [
      {
         "Path": "string",
         "SourceGroup": "string",
         "Type": "string"
      }
   ],
   "LastModifiedTime": number,
   "LiveSourceName": "string",
   "SourceLocationName": "string",
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

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

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

Arn

The Amazon Resource Name (ARN) associated with this live source.

Type: String

CreationTime

The timestamp that indicates when the live source was created.

Type: Timestamp

HttpPackageConfigurations

A list of HTTP package configurations for the live source on this account.

Type: Array of HttpPackageConfiguration objects

LastModifiedTime

The timestamp that indicates when the live source was last modified.

Type: Timestamp

LiveSourceName

The name of the live source.

Type: String

SourceLocationName

The name of the source location associated with the live source.

Type: String

tags

The tags to assign to the live source. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateProgram

Updates a program within a channel.

Request Syntax

```
PUT /channel/ChannelName/program/ProgramName HTTP/1.1
Content-type: application/json

{
   "AdBreaks": [
      {
         "AdBreakMetadata": [
            {
               "Key": "string",
               "Value": "string"
            }
         ],
         "MessageType": "string",
         "OffsetMillis": number,
         "Slate": {
            "SourceLocationName": "string",
            "VodSourceName": "string"
         },
         "SpliceInsertMessage": {
            "AvailNum": number,
            "AvailsExpected": number,
            "SpliceEventId": number,
            "UniqueProgramId": number
         },
         "TimeSignalMessage": {
            "SegmentationDescriptors": [
               {
                  "SegmentationEventId": number,
                  "SegmentationTypeId": number,
                  "SegmentationUpid": "string",
                  "SegmentationUpidType": number,
                  "SegmentNum": number,
                  "SegmentsExpected": number,
                  "SubSegmentNum": number,
                  "SubSegmentsExpected": number
               }
            ]
```

```
            }
         }
      ],
      "AudienceMedia": [
         {
            "AlternateMedia": [
               {
                  "AdBreaks": [
                     {
                        "AdBreakMetadata": [
                           {
                              "Key": "string",
                              "Value": "string"
                           }
                        ],
                        "MessageType": "string",
                        "OffsetMillis": number,
                        "Slate": {
                           "SourceLocationName": "string",
                           "VodSourceName": "string"
                        },
                        "SpliceInsertMessage": {
                           "AvailNum": number,
                           "AvailsExpected": number,
                           "SpliceEventId": number,
                           "UniqueProgramId": number
                        },
                        "TimeSignalMessage": {
                           "SegmentationDescriptors": [
                              {
                                 "SegmentationEventId": number,
                                 "SegmentationTypeId": number,
                                 "SegmentationUpid": "string",
                                 "SegmentationUpidType": number,
                                 "SegmentNum": number,
                                 "SegmentsExpected": number,
                                 "SubSegmentNum": number,
                                 "SubSegmentsExpected": number
                              }
                           ]
                        }
                     }
                  ],
                  "ClipRange": {
```

```
                    "EndOffsetMillis": number,
                    "StartOffsetMillis": number
                },
                "DurationMillis": number,
                "LiveSourceName": "string",
                "ScheduledStartTimeMillis": number,
                "SourceLocationName": "string",
                "VodSourceName": "string"
            }
        ],
        "Audience": "string"
    }
  ],
  "ScheduleConfiguration": {
    "ClipRange": {
      "EndOffsetMillis": number,
      "StartOffsetMillis": number
    },
    "Transition": {
      "DurationMillis": number,
      "ScheduledStartTimeMillis": number
    }
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

ChannelName

The name of the channel for this Program.

Required: Yes

ProgramName

The name of the Program.

Required: Yes

Request Body

The request accepts the following data in JSON format.

AdBreaks

The ad break configuration settings.

Type: Array of AdBreak objects

Required: No

AudienceMedia

The list of AudienceMedia defined in program.

Type: Array of AudienceMedia objects

Required: No

ScheduleConfiguration

The schedule configuration settings.

Type: UpdateProgramScheduleConfiguration object

Required: Yes

Response Syntax

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

{
   "AdBreaks": [
      {
         "AdBreakMetadata": [
            {
               "Key": "string",
               "Value": "string"
            }
         ],
         "MessageType": "string",
         "OffsetMillis": number,
         "Slate": {
```

```
            "SourceLocationName": "string",
            "VodSourceName": "string"
         },
         "SpliceInsertMessage": {
            "AvailNum": number,
            "AvailsExpected": number,
            "SpliceEventId": number,
            "UniqueProgramId": number
         },
         "TimeSignalMessage": {
            "SegmentationDescriptors": [
               {
                  "SegmentationEventId": number,
                  "SegmentationTypeId": number,
                  "SegmentationUpid": "string",
                  "SegmentationUpidType": number,
                  "SegmentNum": number,
                  "SegmentsExpected": number,
                  "SubSegmentNum": number,
                  "SubSegmentsExpected": number
               }
            ]
         }
      }
   ],
   "Arn": "string",
   "AudienceMedia": [
      {
         "AlternateMedia": [
            {
               "AdBreaks": [
                  {
                     "AdBreakMetadata": [
                        {
                           "Key": "string",
                           "Value": "string"
                        }
                     ],
                     "MessageType": "string",
                     "OffsetMillis": number,
                     "Slate": {
                        "SourceLocationName": "string",
                        "VodSourceName": "string"
                     },
```

```
                    "SpliceInsertMessage": {
                       "AvailNum": number,
                       "AvailsExpected": number,
                       "SpliceEventId": number,
                       "UniqueProgramId": number
                    },
                    "TimeSignalMessage": {
                       "SegmentationDescriptors": [
                          {
                             "SegmentationEventId": number,
                             "SegmentationTypeId": number,
                             "SegmentationUpid": "string",
                             "SegmentationUpidType": number,
                             "SegmentNum": number,
                             "SegmentsExpected": number,
                             "SubSegmentNum": number,
                             "SubSegmentsExpected": number
                          }
                       ]
                    }
                 }
              ],
              "ClipRange": {
                 "EndOffsetMillis": number,
                 "StartOffsetMillis": number
              },
              "DurationMillis": number,
              "LiveSourceName": "string",
              "ScheduledStartTimeMillis": number,
              "SourceLocationName": "string",
              "VodSourceName": "string"
           }
        ],
        "Audience": "string"
     }
  ],
  "ChannelName": "string",
  "ClipRange": {
     "EndOffsetMillis": number,
     "StartOffsetMillis": number
  },
  "CreationTime": number,
  "DurationMillis": number,
  "LiveSourceName": "string",
```

```
    "ProgramName": "string",
    "ScheduledStartTime": number,
    "SourceLocationName": "string",
    "VodSourceName": "string"
}
```

Response Elements

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

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

AdBreaks

The ad break configuration settings.

Type: Array of AdBreak objects

Arn

The ARN to assign to the program.

Type: String

AudienceMedia

The list of AudienceMedia defined in program.

Type: Array of AudienceMedia objects

ChannelName

The name to assign to the channel for this program.

Type: String

ClipRange

The clip range configuration settings.

Type: ClipRange object

CreationTime

The time the program was created.

Type: Timestamp

DurationMillis

The duration of the live program in milliseconds.

Type: Long

LiveSourceName

The name of the LiveSource for this Program.

Type: String

ProgramName

The name to assign to this program.

Type: String

ScheduledStartTime

The scheduled start time for this Program.

Type: Timestamp

SourceLocationName

The name to assign to the source location for this program.

Type: String

VodSourceName

The name that's used to refer to a VOD source.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateSourceLocation

Updates a source location. A source location is a container for sources. For more information about source locations, see Working with source locations in the *MediaTailor User Guide*.

Request Syntax

```
PUT /sourceLocation/SourceLocationName HTTP/1.1
Content-type: application/json

{
   "AccessConfiguration": {
      "AccessType": "string",
      "SecretsManagerAccessTokenConfiguration": {
         "HeaderName": "string",
         "SecretArn": "string",
         "SecretStringKey": "string"
      }
   },
   "DefaultSegmentDeliveryConfiguration": {
      "BaseUrl": "string"
   },
   "HttpConfiguration": {
      "BaseUrl": "string"
   },
   "SegmentDeliveryConfigurations": [
      {
         "BaseUrl": "string",
         "Name": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

SourceLocationName

The name of the source location.

Required: Yes

Request Body

The request accepts the following data in JSON format.

AccessConfiguration

Access configuration parameters. Configures the type of authentication used to access content from your source location.

Type: AccessConfiguration object

Required: No

DefaultSegmentDeliveryConfiguration

The optional configuration for the host server that serves segments.

Type: DefaultSegmentDeliveryConfiguration object

Required: No

HttpConfiguration

The HTTP configuration for the source location.

Type: HttpConfiguration object

Required: Yes

SegmentDeliveryConfigurations

A list of the segment delivery configurations associated with this resource.

Type: Array of SegmentDeliveryConfiguration objects

Required: No

Response Syntax

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

{
   "AccessConfiguration": {
```

```
      "AccessType": "string",
      "SecretsManagerAccessTokenConfiguration": {
         "HeaderName": "string",
         "SecretArn": "string",
         "SecretStringKey": "string"
      }
   },
   "Arn": "string",
   "CreationTime": number,
   "DefaultSegmentDeliveryConfiguration": {
      "BaseUrl": "string"
   },
   "HttpConfiguration": {
      "BaseUrl": "string"
   },
   "LastModifiedTime": number,
   "SegmentDeliveryConfigurations": [
      {
         "BaseUrl": "string",
         "Name": "string"
      }
   ],
   "SourceLocationName": "string",
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

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

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

AccessConfiguration

Access configuration parameters. Configures the type of authentication used to access content from your source location.

Type: AccessConfiguration object

Arn

The Amazon Resource Name (ARN) associated with the source location.

Type: String

CreationTime

The timestamp that indicates when the source location was created.

Type: Timestamp

DefaultSegmentDeliveryConfiguration

The optional configuration for the host server that serves segments.

Type: DefaultSegmentDeliveryConfiguration object

HttpConfiguration

The HTTP configuration for the source location.

Type: HttpConfiguration object

LastModifiedTime

The timestamp that indicates when the source location was last modified.

Type: Timestamp

SegmentDeliveryConfigurations

The segment delivery configurations for the source location. For information about MediaTailor configurations, see Working with configurations in AWS Elemental MediaTailor.

Type: Array of SegmentDeliveryConfiguration objects

SourceLocationName

The name of the source location.

Type: String

tags

The tags to assign to the source location. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateVodSource

Updates a VOD source's configuration.

Request Syntax

```
PUT /sourceLocation/SourceLocationName/vodSource/VodSourceName HTTP/1.1
Content-type: application/json

{
   "HttpPackageConfigurations": [
      {
         "Path": "string",
         "SourceGroup": "string",
         "Type": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

SourceLocationName

The name of the source location associated with this VOD Source.

Required: Yes

VodSourceName

The name of the VOD source.

Required: Yes

Request Body

The request accepts the following data in JSON format.

HttpPackageConfigurations

A list of HTTP package configurations for the VOD source on this account.

Type: Array of HttpPackageConfiguration objects

Required: Yes

Response Syntax

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

{
   "Arn": "string",
   "CreationTime": number,
   "HttpPackageConfigurations": [
      {
         "Path": "string",
         "SourceGroup": "string",
         "Type": "string"
      }
   ],
   "LastModifiedTime": number,
   "SourceLocationName": "string",
   "tags": {
      "string" : "string"
   },
   "VodSourceName": "string"
}
```

Response Elements

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

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

Arn

The Amazon Resource Name (ARN) associated with the VOD source.

Type: String

CreationTime

The timestamp that indicates when the VOD source was created.

Type: Timestamp

HttpPackageConfigurations

A list of HTTP package configurations for the VOD source on this account.

Type: Array of HttpPackageConfiguration objects

LastModifiedTime

The timestamp that indicates when the VOD source was last modified.

Type: Timestamp

SourceLocationName

The name of the source location associated with the VOD source.

Type: String

tags

The tags to assign to the VOD source. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

VodSourceName

The name of the VOD source.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

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

- AWS Command Line Interface

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Data Types

The AWS MediaTailor API contains several data types that various actions use. This section describes each data type in detail.

> **Note**
>
> The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- AccessConfiguration
- AdBreak
- AdBreakOpportunity
- AdMarkerPassthrough
- Alert
- AlternateMedia
- AudienceMedia
- AvailMatchingCriteria
- AvailSuppression
- Bumper
- CdnConfiguration
- Channel
- ClipRange
- DashConfiguration
- DashConfigurationForPut
- DashPlaylistSettings
- DefaultSegmentDeliveryConfiguration
- HlsConfiguration
- HlsPlaylistSettings
- HttpConfiguration

- HttpPackageConfiguration
- KeyValuePair
- LivePreRollConfiguration
- LiveSource
- LogConfiguration
- LogConfigurationForChannel
- ManifestProcessingRules
- PlaybackConfiguration
- PrefetchConsumption
- PrefetchRetrieval
- PrefetchSchedule
- RequestOutputItem
- ResponseOutputItem
- ScheduleAdBreak
- ScheduleConfiguration
- ScheduleEntry
- SecretsManagerAccessTokenConfiguration
- SegmentationDescriptor
- SegmentDeliveryConfiguration
- SlateSource
- SourceLocation
- SpliceInsertMessage
- TimeShiftConfiguration
- TimeSignalMessage
- Transition
- UpdateProgramScheduleConfiguration
- UpdateProgramTransition
- VodSource

AccessConfiguration

Access configuration parameters.

Contents

AccessType

The type of authentication used to access content from `HttpConfiguration::BaseUrl` on your source location.

`S3_SIGV4` - AWS Signature Version 4 authentication for Amazon S3 hosted virtual-style access. If your source location base URL is an Amazon S3 bucket, MediaTailor can use AWS Signature Version 4 (SigV4) authentication to access the bucket where your source content is stored. Your MediaTailor source location baseURL must follow the S3 virtual hosted-style request URL format. For example, https://bucket-name.s3.Region.amazonaws.com/key-name.

Before you can use `S3_SIGV4`, you must meet these requirements:

• You must allow MediaTailor to access your S3 bucket by granting mediatailor.amazonaws.com principal access in IAM. For information about configuring access in IAM, see Access management in the IAM User Guide.

• The mediatailor.amazonaws.com service principal must have permissions to read all top level manifests referenced by the VodSource packaging configurations.

• The caller of the API must have s3:GetObject IAM permissions to read all top level manifests referenced by your MediaTailor VodSource packaging configurations.

`AUTODETECT_SIGV4` - AWS Signature Version 4 authentication for a set of supported services: MediaPackage Version 2 and Amazon S3 hosted virtual-style access. If your source location base URL is a MediaPackage Version 2 endpoint or an Amazon S3 bucket, MediaTailor can use AWS Signature Version 4 (SigV4) authentication to access the resource where your source content is stored.

Before you can use `AUTODETECT_SIGV4` with a MediaPackage Version 2 endpoint, you must meet these requirements:

• You must grant MediaTailor access to your MediaPackage endpoint by granting `mediatailor.amazonaws.com` principal access in an Origin Access policy on the endpoint.

• Your MediaTailor source location base URL must be a MediaPackage V2 endpoint.

• The caller of the API must have `mediapackagev2:GetObject` IAM permissions to read all top level manifests referenced by the MediaTailor source packaging configurations.

Before you can use `AUTODETECT_SIGV4` with an Amazon S3 bucket, you must meet these requirements:

• You must grant MediaTailor access to your S3 bucket by granting `mediatailor.amazonaws.com` principal access in IAM. For more information about configuring access in IAM, see Access management in the *IAM User Guide.*.

• The `mediatailor.amazonaws.com` service principal must have permissions to read all top-level manifests referenced by the `VodSource` packaging configurations.

• The caller of the API must have `s3:GetObject` IAM permissions to read all top level manifests referenced by your MediaTailor `VodSource` packaging configurations.

Type: String

Valid Values: `S3_SIGV4 | SECRETS_MANAGER_ACCESS_TOKEN | AUTODETECT_SIGV4`

Required: No

SecretsManagerAccessTokenConfiguration

AWS Secrets Manager access token configuration parameters.

Type: SecretsManagerAccessTokenConfiguration object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AdBreak

Ad break configuration parameters.

Contents

OffsetMillis

How long (in milliseconds) after the beginning of the program that an ad starts. This value must fall within 100ms of a segment boundary, otherwise the ad break will be skipped.

Type: Long

Required: Yes

AdBreakMetadata

Defines a list of key/value pairs that MediaTailor generates within the `EXT-X-ASSET`tag for `SCTE35_ENHANCED` output.

Type: Array of KeyValuePair objects

Required: No

MessageType

The SCTE-35 ad insertion type. Accepted value: `SPLICE_INSERT`, `TIME_SIGNAL`.

Type: String

Valid Values: `SPLICE_INSERT | TIME_SIGNAL`

Required: No

Slate

Ad break slate configuration.

Type: SlateSource object

Required: No

SpliceInsertMessage

This defines the SCTE-35 `splice_insert()` message inserted around the ad. For information about using `splice_insert()`, see the SCTE-35 specficiaiton, section 9.7.3.1.

Type: SpliceInsertMessage object

Required: No

TimeSignalMessage

Defines the SCTE-35 `time_signal` message inserted around the ad.

Programs on a channel's schedule can be configured with one or more ad breaks. You can attach a `splice_insert` SCTE-35 message to the ad break. This message provides basic metadata about the ad break.

See section 9.7.4 of the 2022 SCTE-35 specification for more information.

Type: TimeSignalMessage object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AdBreakOpportunity

A location at which a zero-duration ad marker was detected in a VOD source manifest.

Contents

OffsetMillis

The offset in milliseconds from the start of the VOD source at which an ad marker was detected.

Type: Long

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AdMarkerPassthrough

For HLS, when set to `true`, MediaTailor passes through `EXT-X-CUE-IN`, `EXT-X-CUE-OUT`, and `EXT-X-SPLICEPOINT-SCTE35` ad markers from the origin manifest to the MediaTailor personalized manifest.

No logic is applied to these ad markers. For example, if `EXT-X-CUE-OUT` has a value of `60`, but no ads are filled for that ad break, MediaTailor will not set the value to `0`.

Contents

Enabled

Enables ad marker passthrough for your configuration.

Type: Boolean

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Alert

Alert configuration parameters.

Contents

AlertCode

The code for the alert. For example, `NOT_PROCESSED`.

Type: String

Required: Yes

AlertMessage

If an alert is generated for a resource, an explanation of the reason for the alert.

Type: String

Required: Yes

LastModifiedTime

The timestamp when the alert was last modified.

Type: Timestamp

Required: Yes

RelatedResourceArns

The Amazon Resource Names (ARNs) related to this alert.

Type: Array of strings

Required: Yes

ResourceArn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: Yes

Category

The category that MediaTailor assigns to the alert.

Type: String

Valid Values: `SCHEDULING_ERROR | PLAYBACK_WARNING | INFO`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AlternateMedia

A playlist of media (VOD and/or live) to be played instead of the default media on a particular program.

Contents

AdBreaks

Ad break configuration parameters defined in AlternateMedia.

Type: Array of AdBreak objects

Required: No

ClipRange

Clip range configuration for the VOD source associated with the program.

Type: ClipRange object

Required: No

DurationMillis

The duration of the alternateMedia in milliseconds.

Type: Long

Required: No

LiveSourceName

The name of the live source for alternateMedia.

Type: String

Required: No

ScheduledStartTimeMillis

The date and time that the alternateMedia is scheduled to start, in epoch milliseconds.

Type: Long

Required: No

SourceLocationName

The name of the source location for alternateMedia.

Type: String

Required: No

VodSourceName

The name of the VOD source for alternateMedia.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AudienceMedia

An AudienceMedia object contains an Audience and a list of AlternateMedia.

Contents

AlternateMedia

The list of AlternateMedia defined in AudienceMedia.

Type: Array of AlternateMedia objects

Required: No

Audience

The Audience defined in AudienceMedia.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AvailMatchingCriteria

MediaTailor only places (consumes) prefetched ads if the ad break meets the criteria defined by the dynamic variables. This gives you granular control over which ad break to place the prefetched ads into.

As an example, let's say that you set `DynamicVariable` to `scte.event_id` and `Operator` to `EQUALS`, and your playback configuration has an ADS URL of `https://my.ads.server.com/path?&podId=[scte.avail_num]&event=[scte.event_id]&duration=[session.avail_duration_s` And the prefetch request to the ADS contains these values `https://my.ads.server.com/path?&podId=3&event=my-awesome-event&duration=30`. MediaTailor will only insert the prefetched ads into the ad break if has a SCTE marker with an event id of `my-awesome-event`, since it must match the event id that MediaTailor uses to query the ADS.

You can specify up to five `AvailMatchingCriteria`. If you specify multiple `AvailMatchingCriteria`, MediaTailor combines them to match using a logical `AND`. You can model logical `OR` combinations by creating multiple prefetch schedules.

Contents

DynamicVariable

The dynamic variable(s) that MediaTailor should use as avail matching criteria. MediaTailor only places the prefetched ads into the avail if the avail matches the criteria defined by the dynamic variable. For information about dynamic variables, see Using dynamic ad variables in the *MediaTailor User Guide*.

You can include up to 100 dynamic variables.

Type: String

Required: Yes

Operator

For the `DynamicVariable` specified in `AvailMatchingCriteria`, the Operator that is used for the comparison.

Type: String

Valid Values: EQUALS

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AvailSuppression

The configuration for avail suppression, also known as ad suppression. For more information about ad suppression, see Ad Suppression.

Contents

FillPolicy

Defines the policy to apply to the avail suppression mode. `BEHIND_LIVE_EDGE` will always use the full avail suppression policy. `AFTER_LIVE_EDGE` mode can be used to invoke partial ad break fills when a session starts mid-break.

Type: String

Valid Values: `FULL_AVAIL_ONLY | PARTIAL_AVAIL`

Required: No

Mode

Sets the ad suppression mode. By default, ad suppression is off and all ad breaks are filled with ads or slate. When Mode is set to `BEHIND_LIVE_EDGE`, ad suppression is active and MediaTailor won't fill ad breaks on or behind the ad suppression Value time in the manifest lookback window. When Mode is set to `AFTER_LIVE_EDGE`, ad suppression is active and MediaTailor won't fill ad breaks that are within the live edge plus the avail suppression value.

Type: String

Valid Values: `OFF | BEHIND_LIVE_EDGE | AFTER_LIVE_EDGE`

Required: No

Value

A live edge offset time in HH:MM:SS. MediaTailor won't fill ad breaks on or behind this time in the manifest lookback window. If Value is set to 00:00:00, it is in sync with the live edge, and MediaTailor won't fill any ad breaks on or behind the live edge. If you set a Value time, MediaTailor won't fill any ad breaks on or behind this time in the manifest lookback window. For example, if you set 00:45:00, then MediaTailor will fill ad breaks that occur within 45 minutes behind the live edge, but won't fill ad breaks on or behind 45 minutes behind the live edge.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Bumper

The configuration for bumpers. Bumpers are short audio or video clips that play at the start or before the end of an ad break. To learn more about bumpers, see Bumpers.

Contents

EndUrl

The URL for the end bumper asset.

Type: String

Required: No

StartUrl

The URL for the start bumper asset.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CdnConfiguration

The configuration for using a content delivery network (CDN), like Amazon CloudFront, for content and ad segment management.

Contents

AdSegmentUrlPrefix

A non-default content delivery network (CDN) to serve ad segments. By default, AWS Elemental MediaTailor uses Amazon CloudFront with default cache settings as its CDN for ad segments. To set up an alternate CDN, create a rule in your CDN for the origin ads.mediatailor.*<region>*.amazonaws.com. Then specify the rule's name in this `AdSegmentUrlPrefix`. When AWS Elemental MediaTailor serves a manifest, it reports your CDN as the source for ad segments.

Type: String

Required: No

ContentSegmentUrlPrefix

A content delivery network (CDN) to cache content segments, so that content requests don't always have to go to the origin server. First, create a rule in your CDN for the content segment origin server. Then specify the rule's name in this `ContentSegmentUrlPrefix`. When AWS Elemental MediaTailor serves a manifest, it reports your CDN as the source for content segments.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Channel

The configuration parameters for a channel. For information about MediaTailor channels, see Working with channels in the *MediaTailor User Guide*.

Contents

Arn

The ARN of the channel.

Type: String

Required: Yes

ChannelName

The name of the channel.

Type: String

Required: Yes

ChannelState

Returns the state whether the channel is running or not.

Type: String

Required: Yes

LogConfiguration

The log configuration.

Type: LogConfigurationForChannel object

Required: Yes

Outputs

The channel's output properties.

Type: Array of ResponseOutputItem objects

Required: Yes

PlaybackMode

The type of playback mode for this channel.

`LINEAR` - Programs play back-to-back only once.

`LOOP` - Programs play back-to-back in an endless loop. When the last program in the schedule plays, playback loops back to the first program in the schedule.

Type: String

Required: Yes

Tier

The tier for this channel. STANDARD tier channels can contain live programs.

Type: String

Required: Yes

Audiences

The list of audiences defined in channel.

Type: Array of strings

Required: No

CreationTime

The timestamp of when the channel was created.

Type: Timestamp

Required: No

FillerSlate

The slate used to fill gaps between programs in the schedule. You must configure filler slate if your channel uses the `LINEAR` `PlaybackMode`. MediaTailor doesn't support filler slate for channels using the `LOOP` `PlaybackMode`.

Type: SlateSource object

Required: No

LastModifiedTime

The timestamp of when the channel was last modified.

Type: Timestamp

Required: No

tags

The tags to assign to the channel. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ClipRange

Clip range configuration for the VOD source associated with the program.

Contents

EndOffsetMillis

The end offset of the clip range, in milliseconds, starting from the beginning of the VOD source associated with the program.

Type: Long

Required: No

StartOffsetMillis

The start offset of the clip range, in milliseconds. This offset truncates the start at the number of milliseconds into the duration of the VOD source.

Type: Long

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DashConfiguration

The configuration for DASH content.

Contents

ManifestEndpointPrefix

The URL generated by MediaTailor to initiate a playback session. The session uses server-side reporting. This setting is ignored in PUT operations.

Type: String

Required: No

MpdLocation

The setting that controls whether MediaTailor includes the Location tag in DASH manifests. MediaTailor populates the Location tag with the URL for manifest update requests, to be used by players that don't support sticky redirects. Disable this if you have CDN routing rules set up for accessing MediaTailor manifests, and you are either using client-side reporting or your players support sticky HTTP redirects. Valid values are `DISABLED` and `EMT_DEFAULT`. The `EMT_DEFAULT` setting enables the inclusion of the tag and is the default value.

Type: String

Required: No

OriginManifestType

The setting that controls whether MediaTailor handles manifests from the origin server as multi-period manifests or single-period manifests. If your origin server produces single-period manifests, set this to `SINGLE_PERIOD`. The default setting is `MULTI_PERIOD`. For multi-period manifests, omit this setting or set it to `MULTI_PERIOD`.

Type: String

Valid Values: `SINGLE_PERIOD | MULTI_PERIOD`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DashConfigurationForPut

The configuration for DASH PUT operations.

Contents

MpdLocation

The setting that controls whether MediaTailor includes the Location tag in DASH manifests. MediaTailor populates the Location tag with the URL for manifest update requests, to be used by players that don't support sticky redirects. Disable this if you have CDN routing rules set up for accessing MediaTailor manifests, and you are either using client-side reporting or your players support sticky HTTP redirects. Valid values are `DISABLED` and `EMT_DEFAULT`. The `EMT_DEFAULT` setting enables the inclusion of the tag and is the default value.

Type: String

Required: No

OriginManifestType

The setting that controls whether MediaTailor handles manifests from the origin server as multi-period manifests or single-period manifests. If your origin server produces single-period manifests, set this to `SINGLE_PERIOD`. The default setting is `MULTI_PERIOD`. For multi-period manifests, omit this setting or set it to `MULTI_PERIOD`.

Type: String

Valid Values: `SINGLE_PERIOD | MULTI_PERIOD`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DashPlaylistSettings

Dash manifest configuration parameters.

Contents

ManifestWindowSeconds

The total duration (in seconds) of each manifest. Minimum value: 30 seconds. Maximum value: 3600 seconds.

Type: Integer

Required: No

MinBufferTimeSeconds

Minimum amount of content (measured in seconds) that a player must keep available in the buffer. Minimum value: 2 seconds. Maximum value: 60 seconds.

Type: Integer

Required: No

MinUpdatePeriodSeconds

Minimum amount of time (in seconds) that the player should wait before requesting updates to the manifest. Minimum value: 2 seconds. Maximum value: 60 seconds.

Type: Integer

Required: No

SuggestedPresentationDelaySeconds

Amount of time (in seconds) that the player should be from the live point at the end of the manifest. Minimum value: 2 seconds. Maximum value: 60 seconds.

Type: Integer

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DefaultSegmentDeliveryConfiguration

The optional configuration for a server that serves segments. Use this if you want the segment delivery server to be different from the source location server. For example, you can configure your source location server to be an origination server, such as MediaPackage, and the segment delivery server to be a content delivery network (CDN), such as CloudFront. If you don't specify a segment delivery server, then the source location server is used.

Contents

BaseUrl

The hostname of the server that will be used to serve segments. This string must include the protocol, such as **https://**.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HlsConfiguration

The configuration for HLS content.

Contents

ManifestEndpointPrefix

The URL that is used to initiate a playback session for devices that support Apple HLS. The session uses server-side reporting.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HlsPlaylistSettings

HLS playlist configuration parameters.

Contents

AdMarkupType

Determines the type of SCTE 35 tags to use in ad markup. Specify `DATERANGE` to use `DATERANGE` tags (for live or VOD content). Specify `SCTE35_ENHANCED` to use `EXT-X-CUE-OUT` and `EXT-X-CUE-IN` tags (for VOD content only).

Type: Array of strings

Valid Values: `DATERANGE | SCTE35_ENHANCED`

Required: No

ManifestWindowSeconds

The total duration (in seconds) of each manifest. Minimum value: `30` seconds. Maximum value: `3600` seconds.

Type: Integer

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HttpConfiguration

The HTTP configuration for the source location.

Contents

BaseUrl

The base URL for the source location host server. This string must include the protocol, such as **https://**.

Type: String

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HttpPackageConfiguration

The HTTP package configuration properties for the requested VOD source.

Contents

Path

The relative path to the URL for this VOD source. This is combined with `SourceLocation::HttpConfiguration::BaseUrl` to form a valid URL.

Type: String

Required: Yes

SourceGroup

The name of the source group. This has to match one of the `Channel::Outputs::SourceGroup`.

Type: String

Required: Yes

Type

The streaming protocol for this package configuration. Supported values are `HLS` and `DASH`.

Type: String

Valid Values: `DASH` | `HLS`

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

KeyValuePair

For SCTE35_ENHANCED output, defines a key and corresponding value. MediaTailor generates these pairs within the EXT-X-ASSETtag.

Contents

Key

For SCTE35_ENHANCED output, defines a key. MediaTailor takes this key, and its associated value, and generates the key/value pair within the EXT-X-ASSETtag. If you specify a key, you must also specify a corresponding value.

Type: String

Required: Yes

Value

For SCTE35_ENHANCED output, defines a value. MediaTailor; takes this value, and its associated key, and generates the key/value pair within the EXT-X-ASSETtag. If you specify a value, you must also specify a corresponding key.

Type: String

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LivePreRollConfiguration

The configuration for pre-roll ad insertion.

Contents

AdDecisionServerUrl

The URL for the ad decision server (ADS) for pre-roll ads. This includes the specification of static parameters and placeholders for dynamic parameters. AWS Elemental MediaTailor substitutes player-specific and session-specific parameters as needed when calling the ADS. Alternately, for testing, you can provide a static VAST URL. The maximum length is 25,000 characters.

Type: String

Required: No

MaxDurationSeconds

The maximum allowed duration for the pre-roll ad avail. AWS Elemental MediaTailor won't play pre-roll ads to exceed this duration, regardless of the total duration of ads that the ADS returns.

Type: Integer

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LiveSource

Live source configuration parameters.

Contents

Arn

The ARN for the live source.

Type: String

Required: Yes

HttpPackageConfigurations

The HTTP package configurations for the live source.

Type: Array of HttpPackageConfiguration objects

Required: Yes

LiveSourceName

The name that's used to refer to a live source.

Type: String

Required: Yes

SourceLocationName

The name of the source location.

Type: String

Required: Yes

CreationTime

The timestamp that indicates when the live source was created.

Type: Timestamp

Required: No

LastModifiedTime

The timestamp that indicates when the live source was last modified.

Type: Timestamp

Required: No

tags

The tags assigned to the live source. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LogConfiguration

Returns Amazon CloudWatch log settings for a playback configuration.

Contents

PercentEnabled

The percentage of session logs that MediaTailor sends to your Cloudwatch Logs account. For example, if your playback configuration has 1000 sessions and `percentEnabled` is set to `60`, MediaTailor sends logs for 600 of the sessions to CloudWatch Logs. MediaTailor decides at random which of the playback configuration sessions to send logs for. If you want to view logs for a specific session, you can use the debug log mode.

Valid values: `0` - `100`

Type: Integer

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LogConfigurationForChannel

The log configuration for the channel.

Contents

LogTypes

The log types.

Type: Array of strings

Valid Values: AS_RUN

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ManifestProcessingRules

The configuration for manifest processing rules. Manifest processing rules enable customization of the personalized manifests created by MediaTailor.

Contents

AdMarkerPassthrough

For HLS, when set to `true`, MediaTailor passes through `EXT-X-CUE-IN`, `EXT-X-CUE-OUT`, and `EXT-X-SPLICEPOINT-SCTE35` ad markers from the origin manifest to the MediaTailor personalized manifest.

No logic is applied to these ad markers. For example, if `EXT-X-CUE-OUT` has a value of `60`, but no ads are filled for that ad break, MediaTailor will not set the value to `0`.

Type: AdMarkerPassthrough object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PlaybackConfiguration

A playback configuration. For information about MediaTailor configurations, see Working with configurations in AWS Elemental MediaTailor.

Contents

AdDecisionServerUrl

The URL for the ad decision server (ADS). This includes the specification of static parameters and placeholders for dynamic parameters. AWS Elemental MediaTailor substitutes player-specific and session-specific parameters as needed when calling the ADS. Alternately, for testing you can provide a static VAST URL. The maximum length is 25,000 characters.

Type: String

Required: No

AvailSuppression

The configuration for avail suppression, also known as ad suppression. For more information about ad suppression, see Ad Suppression.

Type: AvailSuppression object

Required: No

Bumper

The configuration for bumpers. Bumpers are short audio or video clips that play at the start or before the end of an ad break. To learn more about bumpers, see Bumpers.

Type: Bumper object

Required: No

CdnConfiguration

The configuration for using a content delivery network (CDN), like Amazon CloudFront, for content and ad segment management.

Type: CdnConfiguration object

Required: No

ConfigurationAliases

The player parameters and aliases used as dynamic variables during session initialization. For more information, see Domain Variables.

Type: String to string to string map map

Required: No

DashConfiguration

The configuration for a DASH source.

Type: DashConfiguration object

Required: No

HlsConfiguration

The configuration for HLS content.

Type: HlsConfiguration object

Required: No

InsertionMode

The setting that controls whether players can use stitched or guided ad insertion. The default, `STITCHED_ONLY`, forces all player sessions to use stitched (server-side) ad insertion. Choosing `PLAYER_SELECT` allows players to select either stitched or guided ad insertion at session-initialization time. The default for players that do not specify an insertion mode is stitched.

Type: String

Valid Values: `STITCHED_ONLY | PLAYER_SELECT`

Required: No

LivePreRollConfiguration

The configuration for pre-roll ad insertion.

Type: LivePreRollConfiguration object

Required: No

LogConfiguration

The Amazon CloudWatch log settings for a playback configuration.

Type: LogConfiguration object

Required: No

ManifestProcessingRules

The configuration for manifest processing rules. Manifest processing rules enable customization of the personalized manifests created by MediaTailor.

Type: ManifestProcessingRules object

Required: No

Name

The identifier for the playback configuration.

Type: String

Required: No

PersonalizationThresholdSeconds

Defines the maximum duration of underfilled ad time (in seconds) allowed in an ad break. If the duration of underfilled ad time exceeds the personalization threshold, then the personalization of the ad break is abandoned and the underlying content is shown. This feature applies to *ad replacement* in live and VOD streams, rather than ad insertion, because it relies on an underlying content stream. For more information about ad break behavior, including ad replacement and insertion, see Ad Behavior in AWS Elemental MediaTailor.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

PlaybackConfigurationArn

The Amazon Resource Name (ARN) for the playback configuration.

Type: String

Required: No

PlaybackEndpointPrefix

The URL that the player accesses to get a manifest from AWS Elemental MediaTailor.

Type: String

Required: No

SessionInitializationEndpointPrefix

The URL that the player uses to initialize a session that uses client-side reporting.

Type: String

Required: No

SlateAdUrl

The URL for a video asset to transcode and use to fill in time that's not used by ads. AWS Elemental MediaTailor shows the slate to fill in gaps in media content. Configuring the slate is optional for non-VPAID playback configurations. For VPAID, the slate is required because MediaTailor provides it in the slots designated for dynamic ad content. The slate must be a high-quality asset that contains both audio and video.

Type: String

Required: No

tags

The tags to assign to the playback configuration. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Required: No

TranscodeProfileName

The name that is used to associate this playback configuration with a custom transcode profile. This overrides the dynamic transcoding defaults of MediaTailor. Use this only if you have already set up custom profiles with the help of AWS Support.

Type: String

Required: No

VideoContentSourceUrl

The URL prefix for the parent manifest for the stream, minus the asset ID. The maximum length is 512 characters.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PrefetchConsumption

A complex type that contains settings that determine how and when that MediaTailor places prefetched ads into upcoming ad breaks.

Contents

EndTime

The time when MediaTailor no longer considers the prefetched ads for use in an ad break. MediaTailor automatically deletes prefetch schedules no less than seven days after the end time. If you'd like to manually delete the prefetch schedule, you can call `DeletePrefetchSchedule`.

Type: Timestamp

Required: Yes

AvailMatchingCriteria

If you only want MediaTailor to insert prefetched ads into avails (ad breaks) that match specific dynamic variables, such as `scte.event_id`, set the avail matching criteria.

Type: Array of AvailMatchingCriteria objects

Required: No

StartTime

The time when prefetched ads are considered for use in an ad break. If you don't specify `StartTime`, the prefetched ads are available after MediaTailor retrieves them from the ad decision server.

Type: Timestamp

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PrefetchRetrieval

A complex type that contains settings governing when MediaTailor prefetches ads, and which dynamic variables that MediaTailor includes in the request to the ad decision server.

Contents

EndTime

The time when prefetch retrieval ends for the ad break. Prefetching will be attempted for manifest requests that occur at or before this time.

Type: Timestamp

Required: Yes

DynamicVariables

The dynamic variables to use for substitution during prefetch requests to the ad decision server (ADS).

You initially configure dynamic variables for the ADS URL when you set up your playback configuration. When you specify `DynamicVariables` for prefetch retrieval, MediaTailor includes the dynamic variables in the request to the ADS.

Type: String to string map

Required: No

StartTime

The time when prefetch retrievals can start for this break. Ad prefetching will be attempted for manifest requests that occur at or after this time. Defaults to the current time. If not specified, the prefetch retrieval starts as soon as possible.

Type: Timestamp

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PrefetchSchedule

A prefetch schedule allows you to tell MediaTailor to fetch and prepare certain ads before an ad break happens. For more information about ad prefetching, see Using ad prefetching in the *MediaTailor User Guide*.

Contents

Arn

The Amazon Resource Name (ARN) of the prefetch schedule.

Type: String

Required: Yes

Consumption

Consumption settings determine how, and when, MediaTailor places the prefetched ads into ad breaks. Ad consumption occurs within a span of time that you define, called a *consumption window*. You can designate which ad breaks that MediaTailor fills with prefetch ads by setting avail matching criteria.

Type: PrefetchConsumption object

Required: Yes

Name

The name of the prefetch schedule. The name must be unique among all prefetch schedules that are associated with the specified playback configuration.

Type: String

Required: Yes

PlaybackConfigurationName

The name of the playback configuration to create the prefetch schedule for.

Type: String

Required: Yes

Retrieval

A complex type that contains settings for prefetch retrieval from the ad decision server (ADS).

Type: PrefetchRetrieval object

Required: Yes

StreamId

An optional stream identifier that you can specify in order to prefetch for multiple streams that use the same playback configuration.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RequestOutputItem

The output configuration for this channel.

Contents

ManifestName

The name of the manifest for the channel. The name appears in the `PlaybackUrl`.

Type: String

Required: Yes

SourceGroup

A string used to match which `HttpPackageConfiguration` is used for each `VodSource`.

Type: String

Required: Yes

DashPlaylistSettings

DASH manifest configuration parameters.

Type: DashPlaylistSettings object

Required: No

HlsPlaylistSettings

HLS playlist configuration parameters.

Type: HlsPlaylistSettings object

Required: No

See Also

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

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResponseOutputItem

The output item response.

Contents

ManifestName

The name of the manifest for the channel that will appear in the channel output's playback URL.

Type: String

Required: Yes

PlaybackUrl

The URL used for playback by content players.

Type: String

Required: Yes

SourceGroup

A string used to associate a package configuration source group with a channel output.

Type: String

Required: Yes

DashPlaylistSettings

DASH manifest configuration settings.

Type: DashPlaylistSettings object

Required: No

HlsPlaylistSettings

HLS manifest configuration settings.

Type: HlsPlaylistSettings object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScheduleAdBreak

The schedule's ad break properties.

Contents

ApproximateDurationSeconds

The approximate duration of the ad break, in seconds.

Type: Long

Required: No

ApproximateStartTime

The approximate time that the ad will start playing.

Type: Timestamp

Required: No

SourceLocationName

The name of the source location containing the VOD source used for the ad break.

Type: String

Required: No

VodSourceName

The name of the VOD source used for the ad break.

Type: String

Required: No

See Also

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

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScheduleConfiguration

Schedule configuration parameters. A channel must be stopped before changes can be made to the schedule.

Contents

Transition

Program transition configurations.

Type: Transition object

Required: Yes

ClipRange

Program clip range configuration.

Type: ClipRange object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ScheduleEntry

The properties for a schedule.

Contents

Arn

The ARN of the program.

Type: String

Required: Yes

ChannelName

The name of the channel that uses this schedule.

Type: String

Required: Yes

ProgramName

The name of the program.

Type: String

Required: Yes

SourceLocationName

The name of the source location.

Type: String

Required: Yes

ApproximateDurationSeconds

The approximate duration of this program, in seconds.

Type: Long

Required: No

ApproximateStartTime

The approximate time that the program will start playing.

Type: Timestamp

Required: No

Audiences

The list of audiences defined in ScheduleEntry.

Type: Array of strings

Required: No

LiveSourceName

The name of the live source used for the program.

Type: String

Required: No

ScheduleAdBreaks

The schedule's ad break properties.

Type: Array of ScheduleAdBreak objects

Required: No

ScheduleEntryType

The type of schedule entry.

Type: String

Valid Values: `PROGRAM | FILLER_SLATE | ALTERNATE_MEDIA`

Required: No

VodSourceName

The name of the VOD source.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SecretsManagerAccessTokenConfiguration

AWS Secrets Manager access token configuration parameters. For information about Secrets Manager access token authentication, see Working with AWS Secrets Manager access token authentication.

Contents

HeaderName

The name of the HTTP header used to supply the access token in requests to the source location.

Type: String

Required: No

SecretArn

The Amazon Resource Name (ARN) of the AWS Secrets Manager secret that contains the access token.

Type: String

Required: No

SecretStringKey

The AWS Secrets Manager SecretString key associated with the access token. MediaTailor uses the key to look up SecretString key and value pair containing the access token.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

SegmentationDescriptor

The `segmentation_descriptor` message can contain advanced metadata fields, like content identifiers, to convey a wide range of information about the ad break. MediaTailor writes the ad metadata in the egress manifest as part of the `EXT-X-DATERANGE` or `EventStream` ad marker's SCTE-35 data.

`segmentation_descriptor` messages must be sent with the `time_signal` message type.

See the `segmentation_descriptor()` table of the 2022 SCTE-35 specification for more information.

Contents

SegmentationEventId

The Event Identifier to assign to the `segmentation_descriptor.segmentation_event_id` message, as defined in section 10.3.3.1 of the 2022 SCTE-35 specification. The default value is 1.

Type: Integer

Required: No

SegmentationTypeId

The Type Identifier to assign to the `segmentation_descriptor.segmentation_type_id` message, as defined in section 10.3.3.1 of the 2022 SCTE-35 specification. Values must be between 0 and 256, inclusive. The default value is 48.

Type: Integer

Required: No

SegmentationUpid

The Upid to assign to the `segmentation_descriptor.segmentation_upid` message, as defined in section 10.3.3.1 of the 2022 SCTE-35 specification. The value must be a hexadecimal string containing only the characters 0 though 9 and A through F. The default value is "" (an empty string).

Type: String

Required: No

SegmentationUpidType

The Upid Type to assign to the `segmentation_descriptor.segmentation_upid_type` message, as defined in section 10.3.3.1 of the 2022 SCTE-35 specification. Values must be between 0 and 256, inclusive. The default value is 14.

Type: Integer

Required: No

SegmentNum

The segment number to assign to the `segmentation_descriptor.segment_num` message, as defined in section 10.3.3.1 of the 2022 SCTE-35 specification Values must be between 0 and 256, inclusive. The default value is 0.

Type: Integer

Required: No

SegmentsExpected

The number of segments expected, which is assigned to the `segmentation_descriptor.segments_expectedS` message, as defined in section 10.3.3.1 of the 2022 SCTE-35 specification Values must be between 0 and 256, inclusive. The default value is 0.

Type: Integer

Required: No

SubSegmentNum

The sub-segment number to assign to the `segmentation_descriptor.sub_segment_num` message, as defined in section 10.3.3.1 of the 2022 SCTE-35 specification. Values must be between 0 and 256, inclusive. The defualt value is null.

Type: Integer

Required: No

SubSegmentsExpected

The number of sub-segments expected, which is assigned to the `segmentation_descriptor.sub_segments_expected` message, as defined in section 10.3.3.1 of the 2022 SCTE-35 specification. Values must be between 0 and 256, inclusive. The default value is null.

Type: Integer

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SegmentDeliveryConfiguration

The segment delivery configuration settings.

Contents

BaseUrl

The base URL of the host or path of the segment delivery server that you're using to serve segments. This is typically a content delivery network (CDN). The URL can be absolute or relative. To use an absolute URL include the protocol, such as `https://example.com/some/path`. To use a relative URL specify the relative path, such as `/some/path*`.

Type: String

Required: No

Name

A unique identifier used to distinguish between multiple segment delivery configurations in a source location.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SlateSource

Slate VOD source configuration.

Contents

SourceLocationName

The name of the source location where the slate VOD source is stored.

Type: String

Required: No

VodSourceName

The slate VOD source name. The VOD source must already exist in a source location before it can be used for slate.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SourceLocation

A source location is a container for sources. For more information about source locations, see Working with source locations in the *MediaTailor User Guide*.

Contents

Arn

The ARN of the SourceLocation.

Type: String

Required: Yes

HttpConfiguration

The HTTP configuration for the source location.

Type: HttpConfiguration object

Required: Yes

SourceLocationName

The name of the source location.

Type: String

Required: Yes

AccessConfiguration

The access configuration for the source location.

Type: AccessConfiguration object

Required: No

CreationTime

The timestamp that indicates when the source location was created.

Type: Timestamp

Required: No

DefaultSegmentDeliveryConfiguration

The default segment delivery configuration.

Type: DefaultSegmentDeliveryConfiguration object

Required: No

LastModifiedTime

The timestamp that indicates when the source location was last modified.

Type: Timestamp

Required: No

SegmentDeliveryConfigurations

The segment delivery configurations for the source location.

Type: Array of SegmentDeliveryConfiguration objects

Required: No

tags

The tags assigned to the source location. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SpliceInsertMessage

Splice insert message configuration.

Contents

AvailNum

This is written to `splice_insert.avail_num`, as defined in section 9.7.3.1 of the SCTE-35 specification. The default value is `0`. Values must be between `0` and 256, inclusive.

Type: Integer

Required: No

AvailsExpected

This is written to `splice_insert.avails_expected`, as defined in section 9.7.3.1 of the SCTE-35 specification. The default value is `0`. Values must be between `0` and 256, inclusive.

Type: Integer

Required: No

SpliceEventId

This is written to `splice_insert.splice_event_id`, as defined in section 9.7.3.1 of the SCTE-35 specification. The default value is 1.

Type: Integer

Required: No

UniqueProgramId

This is written to `splice_insert.unique_program_id`, as defined in section 9.7.3.1 of the SCTE-35 specification. The default value is `0`. Values must be between `0` and 256, inclusive.

Type: Integer

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TimeShiftConfiguration

The configuration for time-shifted viewing.

Contents

MaxTimeDelaySeconds

The maximum time delay for time-shifted viewing. The minimum allowed maximum time delay is 0 seconds, and the maximum allowed maximum time delay is 21600 seconds (6 hours).

Type: Integer

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TimeSignalMessage

The SCTE-35 `time_signal` message can be sent with one or more `segmentation_descriptor` messages. A `time_signal` message can be sent only if a single `segmentation_descriptor` message is sent.

The `time_signal` message contains only the `splice_time` field which is constructed using a given presentation timestamp. When sending a `time_signal` message, the `splice_command_type` field in the `splice_info_section` message is set to 6 (0x06).

See the `time_signal()` table of the 2022 SCTE-35 specification for more information.

Contents

SegmentationDescriptors

The configurations for the SCTE-35 `segmentation_descriptor` message(s) sent with the `time_signal` message.

Type: Array of SegmentationDescriptor objects

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Transition

Program transition configuration.

Contents

RelativePosition

The position where this program will be inserted relative to the `RelativePosition`.

Type: String

Valid Values: `BEFORE_PROGRAM | AFTER_PROGRAM`

Required: Yes

Type

Defines when the program plays in the schedule. You can set the value to `ABSOLUTE` or `RELATIVE`.

`ABSOLUTE` - The program plays at a specific wall clock time. This setting can only be used for channels using the `LINEAR` `PlaybackMode`.

Note the following considerations when using `ABSOLUTE` transitions:

If the preceding program in the schedule has a duration that extends past the wall clock time, MediaTailor truncates the preceding program on a common segment boundary.

If there are gaps in playback, MediaTailor plays the `FillerSlate` you configured for your linear channel.

`RELATIVE` - The program is inserted into the schedule either before or after a program that you specify via `RelativePosition`.

Type: String

Required: Yes

DurationMillis

The duration of the live program in seconds.

Type: Long

Required: No

RelativeProgram

The name of the program that this program will be inserted next to, as defined by `RelativePosition`.

Type: String

Required: No

ScheduledStartTimeMillis

The date and time that the program is scheduled to start, in epoch milliseconds.

Type: Long

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UpdateProgramScheduleConfiguration

Schedule configuration parameters.

Contents

ClipRange

Program clip range configuration.

Type: ClipRange object

Required: No

Transition

Program transition configuration.

Type: UpdateProgramTransition object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UpdateProgramTransition

Program transition configuration.

Contents

DurationMillis

The duration of the live program in seconds.

Type: Long

Required: No

ScheduledStartTimeMillis

The date and time that the program is scheduled to start, in epoch milliseconds.

Type: Long

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VodSource

VOD source configuration parameters.

Contents

Arn

The ARN for the VOD source.

Type: String

Required: Yes

HttpPackageConfigurations

The HTTP package configurations for the VOD source.

Type: Array of HttpPackageConfiguration objects

Required: Yes

SourceLocationName

The name of the source location that the VOD source is associated with.

Type: String

Required: Yes

VodSourceName

The name of the VOD source.

Type: String

Required: Yes

CreationTime

The timestamp that indicates when the VOD source was created.

Type: Timestamp

Required: No

LastModifiedTime

The timestamp that indicates when the VOD source was last modified.

Type: Timestamp

Required: No

tags

The tags assigned to the VOD source. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. For more information, see Tagging AWS Elemental MediaTailor Resources.

Type: String to string map

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Common Parameters

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

Action

The action to be performed.

Type: string

Required: Yes

Version

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

Type: string

Required: Yes

X-Amz-Algorithm

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

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

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

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

For more information, see Create a signed AWS API request in the *IAM User Guide*.

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

Type: string

Required: Conditional

X-Amz-Date

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

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

Type: string

Required: Conditional

X-Amz-Security-Token

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

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

Type: string

Required: Conditional

X-Amz-Signature

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

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

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

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

Type: string

Required: Conditional

Common Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

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

HTTP Status Code: 500

MalformedHttpRequestException

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

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

HTTP Status Code: 403

RequestAbortedException

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

RequestEntityTooLargeException

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

RequestExpired

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

HTTP Status Code: 400

RequestTimeoutException

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

ServiceUnavailable

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

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

UnrecognizedClientException

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

HTTP Status Code: 403

UnknownOperationException

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

HTTP Status Code: 404

ValidationError

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

HTTP Status Code: 400