



API Reference

AWS Elemental MediaTailor



API Version 2018-04-23

Copyright © 2026 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

AWS Elemental MediaTailor: API Reference

Copyright © 2026 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

Amazon's trademarks and trade dress may not be used in connection with any product or service that is not Amazon's, in any manner that is likely to cause confusion among customers, or in any manner that disparages or discredits Amazon. All other trademarks not owned by Amazon are the property of their respective owners, who may or may not be affiliated with, connected to, or sponsored by Amazon.

Table of Contents

Welcome	1
Actions	2
ConfigureLogsForChannel	4
Request Syntax	4
URI Request Parameters	4
Request Body	4
Response Syntax	4
Response Elements	5
Errors	5
See Also	5
ConfigureLogsForPlaybackConfiguration	7
Request Syntax	7
URI Request Parameters	7
Request Body	7
Response Syntax	9
Response Elements	9
Errors	10
See Also	10
CreateChannel	11
Request Syntax	11
URI Request Parameters	12
Request Body	12
Response Syntax	13
Response Elements	14
Errors	16
See Also	16
CreateLiveSource	18
Request Syntax	18
URI Request Parameters	18
Request Body	18
Response Syntax	19
Response Elements	20
Errors	21
See Also	21

CreatePrefetchSchedule	22
Request Syntax	22
URI Request Parameters	23
Request Body	23
Response Syntax	25
Response Elements	26
Errors	27
See Also	28
CreateProgram	29
Request Syntax	29
URI Request Parameters	31
Request Body	32
Response Syntax	33
Response Elements	35
Errors	37
See Also	37
CreateSourceLocation	38
Request Syntax	38
URI Request Parameters	38
Request Body	39
Response Syntax	40
Response Elements	41
Errors	42
See Also	42
CreateVodSource	44
Request Syntax	44
URI Request Parameters	44
Request Body	44
Response Syntax	45
Response Elements	46
Errors	47
See Also	47
DeleteChannel	48
Request Syntax	48
URI Request Parameters	48
Request Body	48

Response Syntax	48
Response Elements	48
Errors	48
See Also	48
DeleteChannelPolicy	50
Request Syntax	50
URI Request Parameters	50
Request Body	50
Response Syntax	50
Response Elements	50
Errors	50
See Also	50
DeleteLiveSource	52
Request Syntax	52
URI Request Parameters	52
Request Body	52
Response Syntax	52
Response Elements	52
Errors	52
See Also	53
DeletePlaybackConfiguration	54
Request Syntax	54
URI Request Parameters	54
Request Body	54
Response Syntax	54
Response Elements	54
Errors	54
See Also	54
DeletePrefetchSchedule	56
Request Syntax	56
URI Request Parameters	56
Request Body	56
Response Syntax	56
Response Elements	56
Errors	57
See Also	57

DeleteProgram	58
Request Syntax	58
URI Request Parameters	58
Request Body	58
Response Syntax	58
Response Elements	58
Errors	58
See Also	59
DeleteSourceLocation	60
Request Syntax	60
URI Request Parameters	60
Request Body	60
Response Syntax	60
Response Elements	60
Errors	60
See Also	60
DeleteVodSource	62
Request Syntax	62
URI Request Parameters	62
Request Body	62
Response Syntax	62
Response Elements	62
Errors	62
See Also	63
DescribeChannel	64
Request Syntax	64
URI Request Parameters	64
Request Body	64
Response Syntax	64
Response Elements	65
Errors	67
See Also	67
DescribeLiveSource	69
Request Syntax	69
URI Request Parameters	69
Request Body	69

Response Syntax	69
Response Elements	70
Errors	71
See Also	71
DescribeProgram	72
Request Syntax	72
URI Request Parameters	72
Request Body	72
Response Syntax	72
Response Elements	75
Errors	76
See Also	77
DescribeSourceLocation	78
Request Syntax	78
URI Request Parameters	78
Request Body	78
Response Syntax	78
Response Elements	79
Errors	80
See Also	80
DescribeVodSource	82
Request Syntax	82
URI Request Parameters	82
Request Body	82
Response Syntax	82
Response Elements	83
Errors	84
See Also	84
GetChannelPolicy	86
Request Syntax	86
URI Request Parameters	86
Request Body	86
Response Syntax	86
Response Elements	86
Errors	87
See Also	87

GetChannelSchedule	88
Request Syntax	88
URI Request Parameters	88
Request Body	89
Response Syntax	89
Response Elements	89
Errors	90
See Also	90
GetPlaybackConfiguration	91
Request Syntax	91
URI Request Parameters	91
Request Body	91
Response Syntax	91
Response Elements	93
Errors	96
See Also	96
GetPrefetchSchedule	98
Request Syntax	98
URI Request Parameters	98
Request Body	98
Response Syntax	98
Response Elements	100
Errors	101
See Also	101
ListAlerts	103
Request Syntax	103
URI Request Parameters	103
Request Body	104
Response Syntax	104
Response Elements	104
Errors	105
See Also	105
ListChannels	106
Request Syntax	106
URI Request Parameters	106
Request Body	106

Response Syntax	107
Response Elements	108
Errors	108
See Also	108
ListLiveSources	110
Request Syntax	110
URI Request Parameters	110
Request Body	111
Response Syntax	111
Response Elements	111
Errors	112
See Also	112
ListPlaybackConfigurations	113
Request Syntax	113
URI Request Parameters	113
Request Body	113
Response Syntax	114
Response Elements	115
Errors	116
See Also	116
ListPrefetchSchedules	117
Request Syntax	117
URI Request Parameters	117
Request Body	117
Response Syntax	119
Response Elements	120
Errors	120
See Also	121
ListSourceLocations	122
Request Syntax	122
URI Request Parameters	122
Request Body	122
Response Syntax	123
Response Elements	123
Errors	124
See Also	124

ListTagsForResource	125
Request Syntax	125
URI Request Parameters	125
Request Body	125
Response Syntax	125
Response Elements	125
Errors	126
See Also	126
ListVodSources	127
Request Syntax	127
URI Request Parameters	127
Request Body	128
Response Syntax	128
Response Elements	128
Errors	129
See Also	129
PutChannelPolicy	130
Request Syntax	130
URI Request Parameters	130
Request Body	130
Response Syntax	130
Response Elements	131
Errors	131
See Also	131
PutPlaybackConfiguration	132
Request Syntax	132
URI Request Parameters	133
Request Body	133
Response Syntax	137
Response Elements	138
Errors	142
See Also	142
StartChannel	143
Request Syntax	143
URI Request Parameters	143
Request Body	143

Response Syntax	143
Response Elements	143
Errors	143
See Also	143
StopChannel	145
Request Syntax	145
URI Request Parameters	145
Request Body	145
Response Syntax	145
Response Elements	145
Errors	145
See Also	145
TagResource	147
Request Syntax	147
URI Request Parameters	147
Request Body	147
Response Syntax	148
Response Elements	148
Errors	148
See Also	148
UntagResource	149
Request Syntax	149
URI Request Parameters	149
Request Body	149
Response Syntax	149
Response Elements	149
Errors	149
See Also	150
UpdateChannel	151
Request Syntax	151
URI Request Parameters	151
Request Body	152
Response Syntax	153
Response Elements	154
Errors	155
See Also	156

UpdateLiveSource	157
Request Syntax	157
URI Request Parameters	157
Request Body	157
Response Syntax	158
Response Elements	158
Errors	159
See Also	159
UpdateProgram	161
Request Syntax	161
URI Request Parameters	163
Request Body	164
Response Syntax	164
Response Elements	167
Errors	168
See Also	168
UpdateSourceLocation	170
Request Syntax	170
URI Request Parameters	170
Request Body	171
Response Syntax	171
Response Elements	172
Errors	174
See Also	174
UpdateVodSource	175
Request Syntax	175
URI Request Parameters	175
Request Body	175
Response Syntax	176
Response Elements	176
Errors	177
See Also	177
Data Types	179
AccessConfiguration	182
Contents	182
See Also	183

AdBreak	184
Contents	184
See Also	185
AdBreakOpportunity	186
Contents	186
See Also	186
AdConditioningConfiguration	187
Contents	187
See Also	187
AdMarkerPassthrough	188
Contents	188
See Also	188
AdsInteractionLog	189
Contents	189
See Also	190
Alert	191
Contents	191
See Also	192
AlternateMedia	193
Contents	193
See Also	194
AudienceMedia	195
Contents	195
See Also	195
AvailMatchingCriteria	196
Contents	196
See Also	197
AvailSuppression	198
Contents	198
See Also	199
Bumper	200
Contents	200
See Also	200
CdnConfiguration	201
Contents	201
See Also	201

Channel	203
Contents	203
See Also	205
ClipRange	206
Contents	206
See Also	206
DashConfiguration	207
Contents	207
See Also	208
DashConfigurationForPut	209
Contents	209
See Also	209
DashPlaylistSettings	211
Contents	211
See Also	212
DefaultSegmentDeliveryConfiguration	213
Contents	213
See Also	213
HlsConfiguration	214
Contents	214
See Also	214
HlsPlaylistSettings	215
Contents	215
See Also	215
HttpConfiguration	216
Contents	216
See Also	216
HttpPackageConfiguration	217
Contents	217
See Also	217
KeyValuePair	219
Contents	219
See Also	219
LivePreRollConfiguration	220
Contents	220
See Also	220

LiveSource	221
Contents	221
See Also	222
LogConfiguration	223
Contents	223
See Also	224
LogConfigurationForChannel	225
Contents	225
See Also	225
ManifestProcessingRules	226
Contents	226
See Also	226
ManifestServiceInteractionLog	227
Contents	227
See Also	227
PlaybackConfiguration	229
Contents	229
See Also	233
PrefetchConsumption	234
Contents	234
See Also	234
PrefetchRetrieval	236
Contents	236
See Also	237
PrefetchSchedule	238
Contents	238
See Also	239
RecurringConsumption	241
Contents	241
See Also	241
RecurringPrefetchConfiguration	242
Contents	242
See Also	242
RecurringRetrieval	244
Contents	244
See Also	245

RequestOutputItem	246
Contents	246
See Also	246
ResponseOutputItem	248
Contents	248
See Also	249
ScheduleAdBreak	250
Contents	250
See Also	250
ScheduleConfiguration	252
Contents	252
See Also	252
ScheduleEntry	253
Contents	253
See Also	255
SecretsManagerAccessTokenConfiguration	256
Contents	256
See Also	256
SegmentationDescriptor	258
Contents	258
See Also	260
SegmentDeliveryConfiguration	261
Contents	261
See Also	261
SlateSource	262
Contents	262
See Also	262
SourceLocation	263
Contents	263
See Also	264
SpliceInsertMessage	265
Contents	265
See Also	266
TimeShiftConfiguration	267
Contents	267
See Also	267

TimeSignalMessage	268
Contents	268
See Also	268
TrafficShapingRetrievalWindow	269
Contents	269
See Also	269
Transition	270
Contents	270
See Also	271
UpdateProgramScheduleConfiguration	272
Contents	272
See Also	272
UpdateProgramTransition	273
Contents	273
See Also	273
VodSource	274
Contents	274
See Also	275
Common Parameters	276
Common Error Types	279

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 June 5, 2026.

Actions

The following actions are supported:

- [ConfigureLogsForChannel](#)
- [ConfigureLogsForPlaybackConfiguration](#)
- [CreateChannel](#)
- [CreateLiveSource](#)
- [CreatePrefetchSchedule](#)
- [CreateProgram](#)
- [CreateSourceLocation](#)
- [CreateVodSource](#)
- [DeleteChannel](#)
- [DeleteChannelPolicy](#)
- [DeleteLiveSource](#)
- [DeletePlaybackConfiguration](#)
- [DeletePrefetchSchedule](#)
- [DeleteProgram](#)
- [DeleteSourceLocation](#)
- [DeleteVodSource](#)
- [DescribeChannel](#)
- [DescribeLiveSource](#)
- [DescribeProgram](#)
- [DescribeSourceLocation](#)
- [DescribeVodSource](#)
- [GetChannelPolicy](#)
- [GetChannelSchedule](#)
- [GetPlaybackConfiguration](#)
- [GetPrefetchSchedule](#)
- [ListAlerts](#)
- [ListChannels](#)

- [ListLiveSources](#)
- [ListPlaybackConfigurations](#)
- [ListPrefetchSchedules](#)
- [ListSourceLocations](#)
- [ListTagsForResource](#)
- [ListVodSources](#)
- [PutChannelPolicy](#)
- [PutPlaybackConfiguration](#)
- [StartChannel](#)
- [StopChannel](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateChannel](#)
- [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 Error Types](#).

See Also

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

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

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

ConfigureLogsForPlaybackConfiguration

Defines where AWS Elemental MediaTailor sends logs for the playback configuration.

Request Syntax

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

```
{
  "AdsInteractionLog": {
    "ExcludeEventTypes": [ "string" ],
    "PublishOptInEventTypes": [ "string" ]
  },
  "EnabledLoggingStrategies": [ "string" ],
  "ManifestServiceInteractionLog": {
    "ExcludeEventTypes": [ "string" ]
  },
  "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.

AdsInteractionLog

The event types that MediaTailor emits in logs for interactions with the ADS.

Type: [AdsInteractionLog](#) object

Required: No

EnabledLoggingStrategies

The method used for collecting logs from AWS Elemental MediaTailor. To configure MediaTailor to send logs directly to Amazon CloudWatch Logs, choose LEGACY_CLOUDWATCH. To configure

MediaTailor to send logs to CloudWatch, which then vends the logs to your destination of choice, choose `VENDED_LOGS`. Supported destinations are CloudWatch Logs log group, Amazon S3 bucket, and Amazon Data Firehose stream.

To use vended logs, you must configure the delivery destination in Amazon CloudWatch, as described in [Enable logging from AWS services, Logging that requires additional permissions \[V2\]](#).

Type: Array of strings

Valid Values: `VENDED_LOGS` | `LEGACY_CLOUDWATCH`

Required: No

[ManifestServiceInteractionLog](#)

The event types that MediaTailor emits in logs for interactions with the origin server.

Type: [ManifestServiceInteractionLog](#) object

Required: No

[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

{
  "AdsInteractionLog": {
    "ExcludeEventTypes": [ "string" ],
    "PublishOptInEventTypes": [ "string" ]
  },
  "EnabledLoggingStrategies": [ "string" ],
  "ManifestServiceInteractionLog": {
    "ExcludeEventTypes": [ "string" ]
  },
  "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.

AdsInteractionLog

The event types that MediaTailor emits in logs for interactions with the ADS.

Type: [AdsInteractionLog](#) object

EnabledLoggingStrategies

The method used for collecting logs from AWS Elemental MediaTailor. LEGACY_CLOUDWATCH indicates that MediaTailor is sending logs directly to Amazon CloudWatch Logs. VENDED_LOGS indicates that MediaTailor is sending logs to CloudWatch, which then vends the logs to your destination of choice. Supported destinations are CloudWatch Logs log group, Amazon S3 bucket, and Amazon Data Firehose stream.

Type: Array of strings

Valid Values: VENDED_LOGS | LEGACY_CLOUDWATCH

ManifestServiceInteractionLog

The event types that MediaTailor emits in logs for interactions with the origin server.

Type: [ManifestServiceInteractionLog](#) object

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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

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 Error Types](#).

See Also

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

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

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
  },
  "RecurringPrefetchConfiguration": {
    "EndTime": number,
    "RecurringConsumption": {
      "AvailMatchingCriteria": [
        {
          "DynamicVariable": "string",
          "Operator": "string"
        }
      ],
      "RetrievedAdExpirationSeconds": number
    },
    "RecurringRetrieval": {
      "DelayAfterAvailEndSeconds": number,
      "DynamicVariables": {
        "string" : "string"
      },
      "TrafficShapingRetrievalWindow": {
        "RetrievalWindowDurationSeconds": number
      },
      "TrafficShapingType": "string"
    }
  }
}
```

```
    },
    "StartTime": number
  },
  "Retrieval": {
    "DynamicVariables": {
      "string" : "string"
    },
    "EndTime": number,
    "StartTime": number,
    "TrafficShapingRetrievalWindow": {
      "RetrievalWindowDurationSeconds": number
    },
    "TrafficShapingType": "string"
  },
  "ScheduleType": "string",
  "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 how and when MediaTailor consumes prefetched ads from the ad decision server for single prefetch schedules. 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: No

[RecurringPrefetchConfiguration](#)

The configuration that defines how and when MediaTailor performs ad prefetching in a live event.

Type: [RecurringPrefetchConfiguration](#) object

Required: No

[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: No

[ScheduleType](#)

The frequency that MediaTailor creates prefetch schedules. SINGLE indicates that this schedule applies to one ad break. RECURRING indicates that MediaTailor automatically creates a schedule for each ad avail in a live event.

For more information about the prefetch types and when you might use each, see [Prefetching ads in AWS Elemental MediaTailor](#).

Type: String

Valid Values: SINGLE | RECURRING

Required: No

[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",
  "RecurringPrefetchConfiguration": {
    "EndTime": number,
    "RecurringConsumption": {
      "AvailMatchingCriteria": [
        {
          "DynamicVariable": "string",
          "Operator": "string"
        }
      ]
    },
    "RetrievedAdExpirationSeconds": number
  },
  "RecurringRetrieval": {
    "DelayAfterAvailEndSeconds": number,
    "DynamicVariables": {
      "string" : "string"
    }
  },
  "TrafficShapingRetrievalWindow": {
    "RetrievalWindowDurationSeconds": number
  },
  "TrafficShapingType": "string"
}
```

```
    },
    "StartTime": number
  },
  "Retrieval": {
    "DynamicVariables": {
      "string" : "string"
    },
    "EndTime": number,
    "StartTime": number,
    "TrafficShapingRetrievalWindow": {
      "RetrievalWindowDurationSeconds": number
    },
    "TrafficShapingType": "string"
  },
  "ScheduleType": "string",
  "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 how and when MediaTailor consumes prefetched ads from the ad decision server for single prefetch schedules. 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

RecurringPrefetchConfiguration

The configuration that defines how MediaTailor performs recurring prefetch.

Type: [RecurringPrefetchConfiguration](#) object

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

ScheduleType

The frequency that MediaTailor creates prefetch schedules. `SINGLE` indicates that this schedule applies to one ad break. `RECURRING` indicates that MediaTailor automatically creates a schedule for each ad avail in a live event.

Type: String

Valid Values: `SINGLE` | `RECURRING`

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

- [AWS SDK for Ruby V3](#)

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

- [AWS SDK for Ruby V3](#)

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

- [AWS Command Line Interface V2](#)

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

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 Error Types](#).

See Also

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

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

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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

{
  "AdConditioningConfiguration": {
    "StreamingMediaFileConditioning": "string"
  },
  "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": {
    "AdsInteractionLog": {
      "ExcludeEventTypes": [ "string" ],
      "PublishOptInEventTypes": [ "string" ]
    },
    "EnabledLoggingStrategies": [ "string" ],
    "ManifestServiceInteractionLog": {
      "ExcludeEventTypes": [ "string" ]
    },
    "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.

AdConditioningConfiguration

The setting that indicates what conditioning MediaTailor will perform on ads that the ad decision server (ADS) returns, and what priority MediaTailor uses when inserting ads.

Type: [AdConditioningConfiguration](#) object

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 configuration that defines where AWS Elemental MediaTailor sends logs for the 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 Error Types](#).

See Also

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

- [AWS Command Line Interface V2](#)

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

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",
  "RecurringPrefetchConfiguration": {
    "EndTime": number,
    "RecurringConsumption": {
      "AvailMatchingCriteria": [
        {
          "DynamicVariable": "string",
          "Operator": "string"
        }
      ],
      "RetrievedAdExpirationSeconds": number
    },
    "RecurringRetrieval": {
      "DelayAfterAvailEndSeconds": number,
      "DynamicVariables": {
        "string" : "string"
      },
      "TrafficShapingRetrievalWindow": {
        "RetrievalWindowDurationSeconds": number
      },
      "TrafficShapingType": "string"
    },
    "StartTime": number
  },
  "Retrieval": {
    "DynamicVariables": {
      "string" : "string"
    },
    "EndTime": number,
    "StartTime": number,
    "TrafficShapingRetrievalWindow": {
      "RetrievalWindowDurationSeconds": number
    },
    "TrafficShapingType": "string"
  }
}
```

```
  },  
  "ScheduleType": "string",  
  "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

The configuration settings for how and when MediaTailor consumes prefetched ads from the ad decision server for single prefetch schedules. 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 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

RecurringPrefetchConfiguration

The configuration that defines how and when MediaTailor performs ad prefetching in a live event.

Type: [RecurringPrefetchConfiguration](#) object

Retrieval

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

Type: [PrefetchRetrieval](#) object

ScheduleType

The frequency that MediaTailor creates prefetch schedules. SINGLE indicates that this schedule applies to one ad break. RECURRING indicates that MediaTailor automatically creates a schedule for each ad avail in a live event.

Type: String

Valid Values: SINGLE | RECURRING

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 Error Types](#).

See Also

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

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

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

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.

The default value is 100. MediaTailor uses DynamoDB-based pagination, which means that a response might contain fewer than `MaxResults` items, including 0 items, even when more results are available. To retrieve all results, you must continue making requests using the `NextToken` value from each response until the response no longer includes a `NextToken` value.

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.

For the first `ListAlerts` request, omit this value. For subsequent requests, get the value of `NextToken` from the previous response and specify that value for `NextToken` in the request. Continue making requests until the response no longer includes a `NextToken` value, which indicates that all results have been retrieved.

[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 Error Types](#).

See Also

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

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

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.

The default value is 100. MediaTailor uses DynamoDB-based pagination, which means that a response might contain fewer than `MaxResults` items, including 0 items, even when more results are available. To retrieve all results, you must continue making requests using the `NextToken` value from each response until the response no longer includes a `NextToken` value.

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.

For the first `ListChannels` request, omit this value. For subsequent requests, get the value of `NextToken` from the previous response and specify that value for `NextToken` in the request. Continue making requests until the response no longer includes a `NextToken` value, which indicates that all results have been retrieved.

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 Error Types](#).

See Also

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

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

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

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.

The default value is 100. MediaTailor uses DynamoDB-based pagination, which means that a response might contain fewer than `MaxResults` items, including 0 items, even when more results are available. To retrieve all results, you must continue making requests using the `NextToken` value from each response until the response no longer includes a `NextToken` value.

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.

For the first `ListLiveSources` request, omit this value. For subsequent requests, get the value of `NextToken` from the previous response and specify that value for `NextToken` in the request. Continue making requests until the response no longer includes a `NextToken` value, which indicates that all results have been retrieved.

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 Error Types](#).

See Also

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

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

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.

The default value is 100. MediaTailor uses DynamoDB-based pagination, which means that a response might contain fewer than `MaxResults` items, including 0 items, even when more results are available. To retrieve all results, you must continue making requests using the `NextToken` value from each response until the response no longer includes a `NextToken` value.

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.

For the first `ListPlaybackConfigurations` request, omit this value. For subsequent requests, get the value of `NextToken` from the previous response and specify that value for `NextToken` in the request. Continue making requests until the response no longer includes a `NextToken` value, which indicates that all results have been retrieved.

Request Body

The request does not have a request body.

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "Items": [
    {
      "AdConditioningConfiguration": {
        "StreamingMediaFileConditioning": "string"
      },
      "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": {
      "AdsInteractionLog": {
        "ExcludeEventTypes": [ "string" ],
        "PublishOptInEventTypes": [ "string" ]
      },
      "EnabledLoggingStrategies": [ "string" ],
      "ManifestServiceInteractionLog": {
        "ExcludeEventTypes": [ "string" ]
      },
      "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 Error Types](#).

See Also

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

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

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",
  "ScheduleType": "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.

The default value is 100. MediaTailor uses DynamoDB-based pagination, which means that a response might contain fewer than `MaxResults` items, including 0 items, even when more results are available. To retrieve all results, you must continue making requests using the `NextToken` value from each response until the response no longer includes a `NextToken` value.

Type: Integer

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

Required: No

NextToken

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

For the first `ListPrefetchSchedules` request, omit this value. For subsequent requests, get the value of `NextToken` from the previous response and specify that value for `NextToken` in the request. Continue making requests until the response no longer includes a `NextToken` value, which indicates that all results have been retrieved.

Type: String

Required: No

ScheduleType

The type of prefetch schedules that you want to list. `SINGLE` indicates that you want to list the configured single prefetch schedules. `RECURRING` indicates that you want to list the configured recurring prefetch schedules. `ALL` indicates that you want to list all configured prefetch schedules.

Type: String

Valid Values: `SINGLE` | `RECURRING` | `ALL`

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",
      "RecurringPrefetchConfiguration": {
        "EndTime": number,
        "RecurringConsumption": {
          "AvailMatchingCriteria": [
            {
              "DynamicVariable": "string",
              "Operator": "string"
            }
          ],
          "RetrievedAdExpirationSeconds": number
        },
        "RecurringRetrieval": {
          "DelayAfterAvailEndSeconds": number,
          "DynamicVariables": {
            "string" : "string"
          },
          "TrafficShapingRetrievalWindow": {
            "RetrievalWindowDurationSeconds": number
          },
          "TrafficShapingType": "string"
        },
        "StartTime": number
      }
    }
  ]
}
```

```
    },
    "Retrieval": {
      "DynamicVariables": {
        "string" : "string"
      },
      "EndTime": number,
      "StartTime": number,
      "TrafficShapingRetrievalWindow": {
        "RetrievalWindowDurationSeconds": number
      },
      "TrafficShapingType": "string"
    },
    "ScheduleType": "string",
    "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 Error Types](#).

See Also

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

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

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.

The default value is 100. MediaTailor uses DynamoDB-based pagination, which means that a response might contain fewer than `MaxResults` items, including 0 items, even when more results are available. To retrieve all results, you must continue making requests using the `NextToken` value from each response until the response no longer includes a `NextToken` value.

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.

For the first `ListSourceLocations` request, omit this value. For subsequent requests, get the value of `NextToken` from the previous response and specify that value for `NextToken` in the request. Continue making requests until the response no longer includes a `NextToken` value, which indicates that all results have been retrieved.

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 Error Types](#).

See Also

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

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

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 Error Types](#).

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

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.

The default value is 100. MediaTailor uses DynamoDB-based pagination, which means that a response might contain fewer than `MaxResults` items, including 0 items, even when more results are available. To retrieve all results, you must continue making requests using the `NextToken` value from each response until the response no longer includes a `NextToken` value.

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.

For the first `ListVodSources` request, omit this value. For subsequent requests, get the value of `NextToken` from the previous response and specify that value for `NextToken` in the request. Continue making requests until the response no longer includes a `NextToken` value, which indicates that all results have been retrieved.

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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

{
  "AdConditioningConfiguration": {
    "StreamingMediaFileConditioning": "string"
  },
  "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.

AdConditioningConfiguration

The setting that indicates what conditioning MediaTailor will perform on ads that the ad decision server (ADS) returns, and what priority MediaTailor uses when inserting ads.

Type: [AdConditioningConfiguration](#) object

Required: No

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

```
{
  "AdConditioningConfiguration": {
    "StreamingMediaFileConditioning": "string"
  },
  "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": {
    "AdsInteractionLog": {
      "ExcludeEventTypes": [ "string" ],
      "PublishOptInEventTypes": [ "string" ]
    },
    "EnabledLoggingStrategies": [ "string" ],
    "ManifestServiceInteractionLog": {
      "ExcludeEventTypes": [ "string" ]
    },
    "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.

AdConditioningConfiguration

The setting that indicates what conditioning MediaTailor will perform on ads that the ad decision server (ADS) returns, and what priority MediaTailor uses when inserting ads.

Type: [AdConditioningConfiguration](#) object

[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 configuration that defines where AWS Elemental MediaTailor sends logs for the 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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

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

TagResource

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 Error Types](#).

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

UntagResource

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 Error Types](#).

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

- [AWS Command Line Interface V2](#)

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

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 Error Types](#).

See Also

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

- [AWS Command Line Interface V2](#)

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

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 Error Types](#).

See Also

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

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

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 Error Types](#).

See Also

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

- [AWS Command Line Interface V2](#)

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

Data Types

The AWS 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](#)
- [AdConditioningConfiguration](#)
- [AdMarkerPassthrough](#)
- [AdsInteractionLog](#)
- [Alert](#)
- [AlternateMedia](#)
- [AudienceMedia](#)
- [AvailMatchingCriteria](#)
- [AvailSuppression](#)
- [Bumper](#)
- [CdnConfiguration](#)
- [Channel](#)
- [ClipRange](#)
- [DashConfiguration](#)
- [DashConfigurationForPut](#)
- [DashPlaylistSettings](#)
- [DefaultSegmentDeliveryConfiguration](#)
- [HlsConfiguration](#)

- [HlsPlaylistSettings](#)
- [HttpConfiguration](#)
- [HttpPackageConfiguration](#)
- [KeyValuePair](#)
- [LivePreRollConfiguration](#)
- [LiveSource](#)
- [LogConfiguration](#)
- [LogConfigurationForChannel](#)
- [ManifestProcessingRules](#)
- [ManifestServiceInteractionLog](#)
- [PlaybackConfiguration](#)
- [PrefetchConsumption](#)
- [PrefetchRetrieval](#)
- [PrefetchSchedule](#)
- [RecurringConsumption](#)
- [RecurringPrefetchConfiguration](#)
- [RecurringRetrieval](#)
- [RequestOutputItem](#)
- [ResponseOutputItem](#)
- [ScheduleAdBreak](#)
- [ScheduleConfiguration](#)
- [ScheduleEntry](#)
- [SecretsManagerAccessTokenConfiguration](#)
- [SegmentationDescriptor](#)
- [SegmentDeliveryConfiguration](#)
- [SlateSource](#)
- [SourceLocation](#)
- [SpliceInsertMessage](#)
- [TimeShiftConfiguration](#)
- [TimeSignalMessage](#)

- [TrafficShapingRetrievalWindow](#)
- [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 base URL 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-ASSETtag 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 specification, 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](#)

AdConditioningConfiguration

The setting that indicates what conditioning MediaTailor will perform on ads that the ad decision server (ADS) returns.

Contents

StreamingMediaFileConditioning

For ads that have media files with streaming delivery and supported file extensions, indicates what transcoding action MediaTailor takes when it first receives these ads from the ADS. TRANSCODE indicates that MediaTailor must transcode the ads. NONE indicates that you have already transcoded the ads outside of MediaTailor and don't need them transcoded as part of the ad insertion workflow. For more information about ad conditioning see [Using preconditioned ads](#) in the AWS Elemental MediaTailor user guide.

Type: String

Valid Values: TRANSCODE | NONE

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](#)

AdsInteractionLog

Settings for customizing what events are included in logs for interactions with the ad decision server (ADS).

For more information about ADS logs, including descriptions of the event types, see [MediaTailor ADS logs description and event types](#) in AWS Elemental MediaTailor User Guide.

Contents

ExcludeEventTypes

Indicates that MediaTailor won't emit the selected events in the logs for playback sessions that are initialized with this configuration.

Type: Array of strings

Valid Values: AD_MARKER_FOUND | NON_AD_MARKER_FOUND | MAKING_ADS_REQUEST | MODIFIED_TARGET_URL | VAST_REDIRECT | EMPTY_VAST_RESPONSE | EMPTY_VMAP_RESPONSE | VAST_RESPONSE | REDIRECTED_VAST_RESPONSE | FILLED_AVAIL | FILLED_OVERLAY_AVAIL | BEACON_FIRED | WARNING_NO_ADVERTISEMENTS | WARNING_VPAID_AD_DROPPED | WARNING_URL_VARIABLE_SUBSTITUTION_FAILED | ERROR_UNKNOWN | ERROR_UNKNOWN_HOST | ERROR_DISALLOWED_HOST | ERROR_ADS_IO | ERROR_ADS_TIMEOUT | ERROR_ADS_RESPONSE_PARSE | ERROR_ADS_RESPONSE_UNKNOWN_ROOT_ELEMENT | ERROR_ADS_INVALID_RESPONSE | ERROR_VAST_REDIRECT_EMPTY_RESPONSE | ERROR_VAST_REDIRECT_MULTIPLE_VAST | ERROR_VAST_REDIRECT_FAILED | ERROR_VAST_MISSING_MEDIAFILES | ERROR_VAST_MISSING_CREATIVES | ERROR_VAST_MISSING_OVERLAYS | ERROR_VAST_MISSING_IMPRESSION | ERROR_VAST_INVALID_VAST_AD_TAG_URI | ERROR_VAST_MULTIPLE_TRACKING_EVENTS | ERROR_VAST_MULTIPLE_LINEAR | ERROR_VAST_INVALID_MEDIA_FILE | ERROR_FIRING_BEACON_FAILED | ERROR_PERSONALIZATION_DISABLED | VOD_TIME_BASED_AVAIL_PLAN_VAST_RESPONSE_FOR_OFFSET | VOD_TIME_BASED_AVAIL_PLAN_SUCCESS | VOD_TIME_BASED_AVAIL_PLAN_WARNING_NO_ADVERTISEMENTS | INTERSTITIAL_VOD_SUCCESS | INTERSTITIAL_VOD_FAILURE

Required: No

PublishOptInEventTypes

Indicates that MediaTailor emits RAW_ADS_RESPONSE logs for playback sessions that are initialized with this configuration.

Type: Array of strings

Valid Values: RAW_ADS_RESPONSE

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

Defines where AWS Elemental MediaTailor sends logs for the playback configuration.

Contents

EnabledLoggingStrategies

The method used for collecting logs from AWS Elemental MediaTailor. `LEGACY_CLOUDWATCH` indicates that MediaTailor is sending logs directly to Amazon CloudWatch Logs. `VENDED_LOGS` indicates that MediaTailor is sending logs to CloudWatch, which then vends the logs to your destination of choice. Supported destinations are CloudWatch Logs log group, Amazon S3 bucket, and Amazon Data Firehose stream.

Type: Array of strings

Valid Values: `VENDED_LOGS` | `LEGACY_CLOUDWATCH`

Required: Yes

PercentEnabled

The percentage of session logs that MediaTailor sends to your configured log destination. 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

AdsInteractionLog

Settings for customizing what events are included in logs for interactions with the ad decision server (ADS).

Type: [AdsInteractionLog](#) object

Required: No

ManifestServiceInteractionLog

Settings for customizing what events are included in logs for interactions with the origin server.

Type: [ManifestServiceInteractionLog](#) 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](#)

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](#)

ManifestServiceInteractionLog

Settings for customizing what events are included in logs for interactions with the origin server.

For more information about manifest service logs, including descriptions of the event types, see [MediaTailor manifest logs description and event types](#) in AWS Elemental MediaTailor User Guide.

Contents

ExcludeEventTypes

Indicates that MediaTailor won't emit the selected events in the logs for playback sessions that are initialized with this configuration.

Type: Array of strings

Valid Values: GENERATED_MANIFEST | ORIGIN_MANIFEST | SESSION_INITIALIZED | TRACKING_RESPONSE | CONFIG_SYNTAX_ERROR | CONFIG_SECURITY_ERROR | UNKNOWN_HOST | TIMEOUT_ERROR | CONNECTION_ERROR | IO_ERROR | UNKNOWN_ERROR | HOST_DISALLOWED | PARSING_ERROR | MANIFEST_ERROR | NO_MASTER_OR_MEDIA_PLAYLIST | NO_MASTER_PLAYLIST | NO_MEDIA_PLAYLIST | INCOMPATIBLE_HLS_VERSION | SCTE35_PARSING_ERROR | INVALID_SINGLE_PERIOD_DASH_MANIFEST | UNSUPPORTED_SINGLE_PERIOD_DASH_MANIFEST | LAST_PERIOD_MISSING_AUDIO | LAST_PERIOD_MISSING_AUDIO_WARNING | ERROR_ORIGIN_PREFIX_INTERPOLATION | ERROR_ADS_INTERPOLATION | ERROR_LIVE_PRE_ROLL_ADS_INTERPOLATION | ERROR_CDN_AD_SEGMENT_INTERPOLATION | ERROR_CDN_CONTENT_SEGMENT_INTERPOLATION | ERROR_SLATE_AD_URL_INTERPOLATION | ERROR_PROFILE_NAME_INTERPOLATION | ERROR BUMPER_START_INTERPOLATION | ERROR BUMPER_END_INTERPOLATION

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

AdConditioningConfiguration

The setting that indicates what conditioning MediaTailor will perform on ads that the ad decision server (ADS) returns, and what priority MediaTailor uses when inserting ads.

Type: [AdConditioningConfiguration](#) object

Required: No

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

Defines where AWS Elemental MediaTailor sends logs for the 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

For single prefetch, describes 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

TrafficShapingRetrievalWindow

Configuration for spreading ADS traffic across a set window instead of sending ADS requests for all sessions at the same time.

Type: [TrafficShapingRetrievalWindow](#) object

Required: No

TrafficShapingType

Indicates if this configuration uses a retrieval window for traffic shaping and limiting the number of requests to the ADS at one time.

Type: String

Valid Values: RETRIEVAL_WINDOW

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

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

Consumption

Consumption settings determine how, and when, MediaTailor places the prefetched ads into ad breaks for single prefetch schedules. 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: No

RecurringPrefetchConfiguration

The settings that determine how and when MediaTailor prefetches ads and inserts them into ad breaks.

Type: [RecurringPrefetchConfiguration](#) object

Required: No

Retrieval

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

Type: [PrefetchRetrieval](#) object

Required: No

ScheduleType

The frequency that MediaTailor creates prefetch schedules. SINGLE indicates that this schedule applies to one ad break. RECURRING indicates that MediaTailor automatically creates a schedule for each ad avail in a live event.

For more information about the prefetch types and when you might use each, see [Prefetching ads in AWS Elemental MediaTailor](#).

Type: String

Valid Values: SINGLE | RECURRING

Required: No

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](#)

RecurringConsumption

The settings that determine how and when MediaTailor places prefetched ads into upcoming ad breaks for recurring prefetch schedules.

Contents

AvailMatchingCriteria

The configuration for the dynamic variables that determine which ad breaks that MediaTailor inserts prefetched ads in.

Type: Array of [AvailMatchingCriteria](#) objects

Required: No

RetrievedAdExpirationSeconds

The number of seconds that an ad is available for insertion after it was prefetched.

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](#)

RecurringPrefetchConfiguration

The configuration that defines how MediaTailor performs recurring prefetch.

Contents

EndTime

The end time for the window that MediaTailor prefetches and inserts ads in a live event.

Type: Timestamp

Required: Yes

RecurringConsumption

The settings that determine how and when MediaTailor places prefetched ads into upcoming ad breaks for recurring prefetch schedules.

Type: [RecurringConsumption](#) object

Required: Yes

RecurringRetrieval

The configuration for prefetch ad retrieval from the ADS.

Type: [RecurringRetrieval](#) object

Required: Yes

StartTime

The start time for the window that MediaTailor prefetches and inserts ads in a live event.

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](#)

RecurringRetrieval

With recurring prefetch, MediaTailor automatically prefetches ads for every avail that occurs during the retrieval window. The following configurations describe the MediaTailor behavior when prefetching ads for a live event.

Contents

DelayAfterAvailEndSeconds

The number of seconds that MediaTailor waits after an ad avail before prefetching ads for the next avail. If not set, the default is 0 (no delay).

Type: Integer

Required: No

DynamicVariables

The dynamic variables to use for substitution during prefetch requests to the ADS.

Type: String to string map

Required: No

TrafficShapingRetrievalWindow

Configuration for spreading ADS traffic across a set window instead of sending ADS requests for all sessions at the same time.

Type: [TrafficShapingRetrievalWindow](#) object

Required: No

TrafficShapingType

Indicates if this configuration uses a retrieval window for traffic shaping and limiting the number of requests to the ADS at one time.

Type: String

Valid Values: RETRIEVAL_WINDOW

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 through 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_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 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 default 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](#)

TrafficShapingRetrievalWindow

The configuration that tells AWS Elemental MediaTailor how to spread out requests to the ad decision server (ADS). Instead of sending ADS requests for all sessions at the same time, MediaTailor spreads the requests across the amount of time specified in the retrieval window.

Contents

RetrievalWindowDurationSeconds

The amount of time, in seconds, that MediaTailor spreads prefetch requests to the ADS.

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](#)

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*.

X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key/YYYYMMDD/region/service/aws4_request*.

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

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

Type: string

Required: Conditional

X-Amz-Date

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

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

Type: string

Required: Conditional

X-Amz-Security-Token

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

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

Type: string

Required: Conditional

X-Amz-Signature

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

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

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

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

Type: string

Required: Conditional

Common Error Types

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

AccessDeniedException

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

HTTP Status Code: 403

ExpiredTokenException

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

HTTP Status Code: 403

IncompleteSignature

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

HTTP Status Code: 403

InternalFailure

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

HTTP Status Code: 500

MalformedHttpRequestException

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

HTTP Status Code: 400

NotAuthorized

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

HTTP Status Code: 401

OptInRequired

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

HTTP Status Code: 403

RequestAbortedException

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

HTTP Status Code: 400

RequestEntityTooLargeException

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

HTTP Status Code: 413

RequestTimeoutException

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

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

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

HTTP Status Code: 400

UnknownOperationException

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

HTTP Status Code: 404

UnrecognizedClientException

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

HTTP Status Code: 403

ValidationError

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

HTTP Status Code: 400