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# AWS Elemental MediaTailor

## API Reference



## **AWS Elemental MediaTailor: API Reference**

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# AWS Elemental MediaTailor API

Use the AWS Elemental MediaTailor API to configure scalable ad insertion for your live and VOD content. With MediaTailor, you can 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 REST API, you manage MediaTailor configurations 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).

## Specifying the REST API Endpoint

The AWS Elemental MediaTailor REST API endpoint is formatted as follows.

```
https://api.mediatailor.<region>.amazonaws.com/
```

For the list of MediaTailor Regions, see [AWS Regions and Endpoints: MediaTailor](#).

## Signing Requirements

MediaTailor supports authentication using AWS Signature Version 4. For more information, see [Signature Version 4 Signing Process](#) in the *AWS General Reference*.

When you access MediaTailor through the AWS CLI or one of the SDKs, the tools automatically sign the requests for you with the access key and secret key that you specify in your client configuration.

For REST API use, you implement a cryptographic hash function that complies with AWS Signature Version 4 to calculate the security signature for your requests. You include a security signature in each REST API request to MediaTailor, and the service validates your signature before proceeding.

- To sign a request, you use your hash function to calculate a digital signature. You pass the function the text of your request and your secret access key. The function returns the corresponding hash value. You include the hash value in the signature portion of the `Authorization` header of your request.
- When it receives your request, MediaTailor runs its own calculation of the signature, and then compares that to the signature that you provided in the header. If they match, MediaTailor processes your request.

# Resources

The AWS Elemental MediaTailor REST API includes the following resources.

## Topics

- [PlaybackConfiguration \(p. 2\)](#)
- [PlaybackConfiguration Name \(p. 11\)](#)
- [PlaybackConfigurations \(p. 18\)](#)
- [Tags ResourceArn \(p. 25\)](#)

## PlaybackConfiguration

Creates a playback configuration. For information about MediaTailor configurations, see [Working with Configurations in AWS Elemental MediaTailor](#).

### URI

/playbackConfiguration

### HTTP Methods

#### PUT

Operation ID: PutPlaybackConfiguration

Adds a new playback configuration to AWS Elemental MediaTailor.

#### Example Request

```
PUT /playbackConfiguration
{
  "Name": "testConfig",
  "AdDecisionServerUrl": "http://testAds.com",
  "VideoContentSourceUrl": "http://testOrigin.com",
  "tags": {
    "testKey": "testValue"
  }
}
```

#### Example Response

```
Success: 200
{
  "Name": "testConfig",
  "AdDecisionServerUrl": "http://testAds.com",
  "VideoContentSourceUrl": "http://testOrigin.com",
  "PlaybackConfigurationArn": "arn:aws:mediatailor:us-east-1:111111111111:playbackConfiguration/testConfig",
  "tags": {
    "testKey": "testValue"
  }
}
```

## Responses

Status Code	Response Model	Description
200	<a href="#">GetPlaybackConfigurationResponse</a>	Success. (p. 3)

## Schemas

### Request Bodies

#### Example PUT

```
{
  "Bumper": {
    "StartUrl": "string",
    "EndUrl": "string"
  },
  "TranscodeProfileName": "string",
  "DashConfiguration": {
    "MpdLocation": "string"
  },
  "AdDecisionServerUrl": "string",
  "CdnConfiguration": {
    "AdSegmentUrlPrefix": "string",
    "ContentSegmentUrlPrefix": "string"
  },
  "PersonalizationThresholdSeconds": integer,
  "LivePreRollConfiguration": {
    "AdDecisionServerUrl": "string",
    "MaxDurationSeconds": integer
  },
  "SlateAdUrl": "string",
  "VideoContentSourceUrl": "string",
  "AvailSuppression": {
    "Mode": enum,
    "Value": "string"
  },
  "Name": "string",
  "tags": {
  }
}
```

### Response Bodies

#### Example GetPlaybackConfigurationResponse

```
{
  "SessionInitializationEndpointPrefix": "string",
  "DashConfiguration": {
    "ManifestEndpointPrefix": "string",
    "MpdLocation": "string"
  },
  "CdnConfiguration": {
    "AdSegmentUrlPrefix": "string",
    "ContentSegmentUrlPrefix": "string"
  },
  "PersonalizationThresholdSeconds": integer,
  "PlaybackConfigurationArn": "string",
  "LivePreRollConfiguration": {
```

```
"AdDecisionServerUrl": "string",
"MaxDurationSeconds": integer
},
"HlsConfiguration": {
  "ManifestEndpointPrefix": "string"
},
"VideoContentSourceUrl": "string",
"Name": "string",
"tags": {
},
"TranscodeProfileName": "string",
"AdDecisionServerUrl": "string",
"SlateAdUrl": "string",
"PlaybackEndpointPrefix": "string",
"AvailSuppression": {
  "Mode": enum,
  "Value": "string"
}
}
```

## Properties

### AvailSuppression

The configuration for avail suppression, also known as ad suppression. For more information about ad suppression, see [Ad Suppression](#).

#### 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.

**Type:** string

**Required:** False

**Values:** OFF | BEHIND\_LIVE\_EDGE

#### 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:** False

### 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](#).

#### StartUrl

The URL for the start bumper asset.

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

### EndUrl

The URL for the end bumper asset.

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

## CdnConfiguration

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

### 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:** False

### 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:** False

## DashConfiguration

The configuration for DASH content.

### 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:** False

### 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:** False

## DashConfigurationForPut

The configuration for DASH PUT operations.

### 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:** False

## GetPlaybackConfigurationResponse

### SessionInitializationEndpointPrefix

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

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

### DashConfiguration

The configuration for DASH content.

**Type:** [DashConfiguration](#) (p. 5)  
**Required:** False

### CdnConfiguration

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

**Type:** [CdnConfiguration](#) (p. 5)  
**Required:** False

### 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  
**Required:** False

### **PlaybackConfigurationArn**

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

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

### **LivePreRollConfiguration**

The configuration for pre-roll ad insertion.

**Type:** [LivePreRollConfiguration \(p. 8\)](#)  
**Required:** False

### **HlsConfiguration**

The configuration for HLS content.

**Type:** [HlsConfiguration \(p. 8\)](#)  
**Required:** False

### **VideoContentSourceUrl**

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

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

### **Name**

The identifier for the playback configuration.

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

### **tags**

The tags assigned to the playback configuration.

**Type:** object  
**Required:** False

### **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:** False

### **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:** False

### **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  
**Required:** False

### **PlaybackEndpointPrefix**

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

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

### **AvailSuppression**

The configuration for avail suppression, also known as ad suppression. For more information about ad suppression, see [Ad Suppression](#).

**Type:** [AvailSuppression \(p. 4\)](#)  
**Required:** False

## **HlsConfiguration**

The configuration for HLS content.

### **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:** False

## **LivePreRollConfiguration**

The configuration for pre-roll ad insertion.

### **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:** False

### **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:** False

## **PutPlaybackConfigurationRequest**

### **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 \(p. 4\)](#)  
**Required:** False

### **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:** False

### **DashConfiguration**

The configuration for DASH content.

**Type:** [DashConfigurationForPut \(p. 6\)](#)  
**Required:** False

### **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:** False

### **CdnConfiguration**

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

**Type:** [CdnConfiguration \(p. 5\)](#)

**Required:** False

### **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

**Required:** False

### **LivePreRollConfiguration**

The configuration for pre-roll ad insertion.

**Type:** [LivePreRollConfiguration \(p. 8\)](#)

**Required:** False

### **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:** False

### **VideoContentSourceUrl**

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

**Type:** string

**Required:** False

### **AvailSuppression**

The configuration for avail suppression, also known as ad suppression. For more information about ad suppression, see [Ad Suppression](#).

**Type:** [AvailSuppression \(p. 4\)](#)

**Required:** False

### Name

The identifier for the playback configuration.

**Type:** string

**Required:** False

### tags

The tags to assign to the playback configuration.

**Type:** object

**Required:** False

## See Also

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

### PutPlaybackConfiguration

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

## PlaybackConfiguration Name

Manages an existing playback configuration. For information about MediaTailor configurations, see [Working with Configurations in AWS Elemental MediaTailor](#).

### URI

/playbackConfiguration/*Name*

### HTTP Methods

#### GET

Operation ID: GetPlaybackConfiguration

Returns the playback configuration for the specified name.

#### Example Request

```
GET /playbackConfiguration/testConfig
```

### Example Response

```
Success: 200
{
  "Name": "testConfig",
  "AdDecisionServerUrl": "http://testAds.com",
  "VideoContentSourceUrl": "http://testOrigin.com",
  "PlaybackConfigurationArn": "arn:aws:mediatailor:us-east-1:111111111111:playbackConfiguration/testConfig",
  "tags": {
    "testKey": "testValue"
  }
}
```

### Path Parameters

Name	Type	Required	Description
<i>Name</i>	String	True	The identifier for the playback configuration.

### Responses

Status Code	Response Model	Description
200	<a href="#">GetPlaybackConfigurationResponse</a>	Success. (p. 13)

## DELETE

Operation ID: DeletePlaybackConfiguration

Deletes the playback configuration for the specified name.

### Example Request

```
DELETE /playbackConfiguration/testConfig
```

### Example Response

```
Success: 204
{}
```

### Path Parameters

Name	Type	Required	Description
<i>Name</i>	String	True	The identifier for the playback configuration.

### Responses

Status Code	Response Model	Description
204	<a href="#">DeletePlaybackConfigurationResponse</a>	The request was successful and there is no content in the response.

# Schemas

## Response Bodies

### Example GetPlaybackConfigurationResponse

```
{
  "SessionInitializationEndpointPrefix": "string",
  "DashConfiguration": {
    "ManifestEndpointPrefix": "string",
    "MpdLocation": "string"
  },
  "CdnConfiguration": {
    "AdSegmentUrlPrefix": "string",
    "ContentSegmentUrlPrefix": "string"
  },
  "PersonalizationThresholdSeconds": integer,
  "PlaybackConfigurationArn": "string",
  "LivePreRollConfiguration": {
    "AdDecisionServerUrl": "string",
    "MaxDurationSeconds": integer
  },
  "HlsConfiguration": {
    "ManifestEndpointPrefix": "string"
  },
  "VideoContentSourceUrl": "string",
  "Name": "string",
  "tags": {
  },
  "TranscodeProfileName": "string",
  "AdDecisionServerUrl": "string",
  "SlateAdUrl": "string",
  "PlaybackEndpointPrefix": "string",
  "AvailSuppression": {
    "Mode": enum,
    "Value": "string"
  }
}
```

### Example DeletePlaybackConfigurationResponse

```
{
}
```

## Properties

### AvailSuppression

The configuration for avail suppression, also known as ad suppression. For more information about ad suppression, see [Ad Suppression](#).

#### 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.



**Type:** string  
**Required:** False  
**Values:** OFF | BEHIND\_LIVE\_EDGE

### 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:** False

## CdnConfiguration

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

### 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.mediataylor.<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:** False

### 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:** False

## DashConfiguration

The configuration for DASH content.

### 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:** False

### 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:** False

## DeletePlaybackConfigurationResponse

## GetPlaybackConfigurationResponse

### SessionInitializationEndpointPrefix

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

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

### DashConfiguration

The configuration for DASH content.

**Type:** [DashConfiguration](#) (p. 14)  
**Required:** False

### CdnConfiguration

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

**Type:** [CdnConfiguration](#) (p. 14)  
**Required:** False

### 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  
**Required:** False

### PlaybackConfigurationArn

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

**Type:** string

**Required:** False

### **LivePreRollConfiguration**

The configuration for pre-roll ad insertion.

**Type:** [LivePreRollConfiguration](#) (p. 17)

**Required:** False

### **HlsConfiguration**

The configuration for HLS content.

**Type:** [HlsConfiguration](#) (p. 17)

**Required:** False

### **VideoContentSourceUrl**

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

**Type:** string

**Required:** False

### **Name**

The identifier for the playback configuration.

**Type:** string

**Required:** False

### **tags**

The tags assigned to the playback configuration.

**Type:** object

**Required:** False

### **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:** False

### **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:** False

### **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  
**Required:** False

### **PlaybackEndpointPrefix**

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

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

### **AvailSuppression**

The configuration for avail suppression, also known as ad suppression. For more information about ad suppression, see [Ad Suppression](#).

**Type:** [AvailSuppression](#) (p. 13)  
**Required:** False

## **HlsConfiguration**

The configuration for HLS content.

### **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:** False

## **LivePreRollConfiguration**

The configuration for pre-roll ad insertion.

### **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:** False

### **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:** False

## See Also

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

### GetPlaybackConfiguration

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

### DeletePlaybackConfiguration

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

## PlaybackConfigurations

Retrieves existing playback configurations. For information about MediaTailor configurations, see [Working with Configurations in AWS Elemental MediaTailor](#).

### URI

/playbackConfigurations

# HTTP Methods

## GET

Operation ID: ListPlaybackConfigurations

Returns a list of the playback configurations defined in AWS Elemental MediaTailor. You can specify a maximum number of configurations to return at a time. The default maximum is 50. Results are returned in pagefuls. If MediaTailor has more configurations than the specified maximum, it provides parameters in the response that you can use to retrieve the next pageful.

### Example Request

```
GET /playbackConfigurations
```

### Example Response

```
Success: 200
{
  "Items": [
    {
      "Name": "testConfig",
      "AdDecisionServerUrl": "http://testAds.com",
      "VideoContentSourceUrl": "http://testOrigin.com",
      "PlaybackConfigurationArn": "arn:aws:mediatailor:us-
east-1:111111111111:playbackConfiguration/testConfig",
      "tags": {
        "testKey": "testValue"
      }
    }
    {
      "Name": "newTestConfig",
      "AdDecisionServerUrl": "http://testAds.com",
      "VideoContentSourceUrl": "http://testOrigin.com",
      "PlaybackConfigurationArn": "arn:aws:mediatailor:us-
east-1:111111111111:playbackConfiguration/newTestConfig",
      "tags": {
      }
    }
  ]
}
```

### Query Parameters

Name	Type	Required	Description
MaxResults	String	False	Maximum number of records to return.
NextToken	String	False	Pagination token returned by the GET list request when results exceed the maximum allowed. Use the token to fetch the next page of results.

## Responses

Status Code	Response Model	Description
200	<a href="#">ListPlaybackConfigurationsResponse</a>	Success (p. 20)

## Schemas

### Response Bodies

#### Example ListPlaybackConfigurationsResponse

```
{
  "NextToken": "string",
  "Items": [
    {
      "SessionInitializationEndpointPrefix": "string",
      "DashConfiguration": {
        "ManifestEndpointPrefix": "string",
        "MpdLocation": "string"
      },
      "CdnConfiguration": {
        "AdSegmentUrlPrefix": "string",
        "ContentSegmentUrlPrefix": "string"
      },
      "PersonalizationThresholdSeconds": integer,
      "PlaybackConfigurationArn": "string",
      "LivePreRollConfiguration": {
        "AdDecisionServerUrl": "string",
        "MaxDurationSeconds": integer
      },
      "HlsConfiguration": {
        "ManifestEndpointPrefix": "string"
      },
      "VideoContentSourceUrl": "string",
      "Name": "string",
      "tags": {
      },
      "TranscodeProfileName": "string",
      "AdDecisionServerUrl": "string",
      "SlateAdUrl": "string",
      "PlaybackEndpointPrefix": "string",
      "AvailSuppression": {
        "Mode": enum,
        "Value": "string"
      }
    }
  ]
}
```

## Properties

### AvailSuppression

The configuration for avail suppression, also known as ad suppression. For more information about ad suppression, see [Ad Suppression](#).

### 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.

**Type:** string

**Required:** False

**Values:** `OFF` | `BEHIND_LIVE_EDGE`

### 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:** False

## CdnConfiguration

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

### 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.mediataylor.<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:** False

### 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:** False

## DashConfiguration

The configuration for DASH content.

### 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:** False

### **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:** False

## **GetPlaybackConfigurationResponse**

### **SessionInitializationEndpointPrefix**

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

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

### **DashConfiguration**

The configuration for DASH content.

**Type:** [DashConfiguration](#) (p. 21)  
**Required:** False

### **CdnConfiguration**

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

**Type:** [CdnConfiguration](#) (p. 21)  
**Required:** False

### **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  
**Required:** False

### **PlaybackConfigurationArn**

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

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

### **LivePreRollConfiguration**

The configuration for pre-roll ad insertion.

**Type:** [LivePreRollConfiguration](#) (p. 25)  
**Required:** False

### **HlsConfiguration**

The configuration for HLS content.

**Type:** [HlsConfiguration](#) (p. 24)  
**Required:** False

### **VideoContentSourceUrl**

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

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

### **Name**

The identifier for the playback configuration.

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

### **tags**

The tags assigned to the playback configuration.

**Type:** object  
**Required:** False

### **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:** False

### **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:** False

### **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  
**Required:** False

### **PlaybackEndpointPrefix**

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

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

### **AvailSuppression**

The configuration for avail suppression, also known as ad suppression. For more information about ad suppression, see [Ad Suppression](#).

**Type:** [AvailSuppression \(p. 20\)](#)  
**Required:** False

## HlsConfiguration

The configuration for HLS content.

### **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:** False

## ListPlaybackConfigurationsResponse

### **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  
**Required:** False

## 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 type [GetPlaybackConfigurationResponse](#) (p. 22)

**Required:** False

## LivePreRollConfiguration

The configuration for pre-roll ad insertion.

### 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:** False

### 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:** False

## See Also

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

## ListPlaybackConfigurations

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

## Tags ResourceArn

Manages tags for MediaTailor playback configurations. Tags are key-value pairs that you can associate with Amazon resources to help with organization, access control, and cost tracking. MediaTailor offers

tagging support for playback configuration resources. For more information, see [Tagging AWS Elemental MediaTailor Resources](#).

## URI

`/tags/ResourceArn`

## HTTP Methods

### GET

Operation ID: ListTagsForResource

Returns a list of the tags assigned to the specified playback configuration resource.

#### Example Request

```
GET /tags/arn:aws:mediatailor:us-east-1:111111111111:playbackConfiguration/testConfig
```

#### Example Response

```
Success: 200
{
  "tags": {
    "testKey": "testValue",
    "newTestKey": "newTestValue"
  }
}
```

#### Path Parameters

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

#### Responses

Status Code	Response Model	Description
200	<a href="#">TagsModel (p. 28)</a>	Success.
400	<a href="#">BadRequestException (p. 29)</a>	Invalid request parameters.

## POST

Operation ID: TagResource

Adds tags to the specified playback configuration resource. You can specify one or more tags to add.

### Example Request

```
POST /tags/arn:aws:mediatailor:us-east-1:111111111111:playbackConfiguration/testConfig
{
  "tags": {
    "newTestKey": "newTestValue"
  }
}
```

### Example Response

```
Success: 204
{}
```

### Path Parameters

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

### Responses

Status Code	Response Model	Description
204	None	The request was successful and there is no content in the response.
400	None	Invalid request parameters.

## DELETE

Operation ID: UntagResource

Removes tags from the specified playback configuration resource. You can specify one or more tags to remove.

### Example Request

```
DELETE /tags/arn:aws:mediatailor:us-east-1:111111111111:playbackConfiguration/testConfig?tagKeys="newTestKey"
```

### Example Response

```
Success: 204
```

```
{}
```

### Path Parameters

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

### Query Parameters

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

### Responses

Status Code	Response Model	Description
204	None	The request was successful and there is no content in the response.
400	None	Invalid request parameters.

## Schemas

### Request Bodies

#### Example POST

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

### Response Bodies

#### Example TagsModel

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

```
}
```

## Example BadRequestException

```
{  
  "Message": "string"  
}
```

# Properties

## BadRequestException

### Message

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

## TagsModel

A set of tags assigned to a resource.

### tags

A comma-separated list of tag key:value pairs, as shown in the following example.

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

**Type:** object  
**Required:** True

## See Also

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

## ListTagsForResource

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



## TagResource

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

## UntagResource

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

# Document History

The following table describes important changes to this documentation.

Change	Description	Date
PersonalizationThresholdSeconds	Added support for the optional PersonalizationThresholdSeconds configuration.	February, 2020
Live pre-roll ad insertion	Added support for pre-roll ad insertion in live content.	November, 2019
DASH single-period manifests	Added support for single-period DASH manifests from the origin server, with multi-period manifest output. See the DASH configuration properties in playback configuration resources.	April, 2019
Add tagging support	Added support for tagging AWS Elemental MediaTailor resources.	February, 2019
Add DASH support	Added support for MPEG-DASH manifests.	November, 2018
New AWS Elemental MediaTailor API release	Initial documentation for the AWS Elemental MediaTailor REST API.	May, 2018

# AWS glossary

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