Learn how to use the Wowza Streaming Cloud™ service's REST API to gather information about an existing live stream and its associated player, to update the live stream and player, and to delete the live stream.

**Note:** For information on the Wowza Streaming Cloud free trial and its feature limitations, see [Wowza Streaming Cloud free trial](#).

### Start the live stream

Before using the Wowza Streaming Cloud REST API to query and update a live stream, create and start a live stream with the user interface.

1. If you haven’t already added a live stream, see [Get started with Wowza Streaming Cloud](#) to learn how to add one.
2. To start the live stream in Wowza Streaming Cloud, select the stream on the [Live Streams](#) page, and then click [Start Live Stream](#) at the top of the live stream detail page.

### Prepare authentication for your request

**Note:** The Wowza Streaming Cloud REST API uses hash-based message authentication code (HMAC) for secure authentication in production environments. In this form of authentication, the API key is a private, secret key. It is known to you and the Wowza Streaming Cloud service but never sent directly in an API request. To learn more, see [HMAC Authentication](#).

For initial Wowza Streaming Cloud REST API testing only, you can use **API key and access key authentication**.

### Query for information about the live stream
Now that you have your API key and access key and a live stream that's started, use the following example requests to find information about the live stream. Example requests are presented in curl using environment variables, but you can also use a GUI REST client for API testing such as Postman or Paw.

If you have basic questions about using a REST API, start with About the Wowza Streaming Cloud REST API.

- Query for all live streams in your account to find the details of your existing live stream. You’ll need the ID of your live stream and the ID of the player to do additional requests.

Fetch all live streams:

```
curl -X GET 
-H "wsc-api-key: ${WSC_API_KEY}"
-H "wsc-access-key: ${WSC_ACCESS_KEY}"
"${WSC_HOST}/api/${WSC_VERSION}/live_streams"
```

- View a live stream’s state:

```
curl -X GET 
-H "wsc-api-key: ${WSC_API_KEY}"
-H "wsc-access-key: ${WSC_ACCESS_KEY}"
"${WSC_HOST}/api/${WSC_VERSION}/live_streams/\[live_stream_id\]/state"
```

Possible live stream states are starting, stopping, started, stopped, and resetting.

- View the details of a running live stream:

```
curl -X GET 
-H "wsc-api-key: ${WSC_API_KEY}"
-H "wsc-access-key: ${WSC_ACCESS_KEY}"
"${WSC_HOST}/api/${WSC_VERSION}/live_streams/\[live_stream_id\]/stats"
```

- View a live stream’s preview image:

```
curl -X GET 
-H "wsc-api-key: ${WSC_API_KEY}"
-H "wsc-access-key: ${WSC_ACCESS_KEY}"
"${WSC_HOST}/api/${WSC_VERSION}/live_streams/\[live_stream_id\]/thumbnail_url"
```

Update the live stream
Use the following example request to update the name of the live stream. You don’t have to stop the live stream to update its configuration.

- Update a live stream’s configuration:

```json
curl -X PATCH
-H "Content-Type: application/json"
-H "wsc-api-key: ${WSC_API_KEY}"
-H "wsc-access-key: ${WSC_ACCESS_KEY}"
-d '{
  "live_stream": {
    "name": "MyDifferentLiveStreamName"
  }
}'
${WSC_HOST}/api/${WSC_VERSION}/live_streams/[live_stream_id]
```

- Query for information about the player

Use the following example requests to find information about the player associated with the live stream.

  - Get the details of a player:

```bash
curl -X GET
-H "wsc-api-key: ${WSC_API_KEY}"
-H "wsc-access-key: ${WSC_ACCESS_KEY}"
"${WSC_HOST}/api/${WSC_VERSION}/players/[player_id]"
```

  - View a player’s state:

```bash
curl -X GET
-H "wsc-api-key: ${WSC_API_KEY}"
-H "wsc-access-key: ${WSC_ACCESS_KEY}"
"${WSC_HOST}/api/${WSC_VERSION}/players/[player_id]/state"
```

Possible player states are **requested** and **activated**.

- Update the player

Use the following example request to update the player associated with the live stream by giving it a specific width instead of being responsive. You don’t have to stop the live stream to update the player configuration.
• Update a player:

View data and health metrics for a live stream

You can use the Wowza Streaming Cloud REST API to view stream health metrics, usage, and viewer data for a live stream. See these articles for more information:

• View stream health metrics by using the Wowza Streaming Cloud REST API
• View usage data by using the Wowza Streaming Cloud REST API
• Get viewer data for a Wowza CDN stream target by using the Wowza Streaming Cloud REST API

Delete the live stream

When you are done viewing information about a live stream, you can stop it and delete it.

• Stop the live stream:

• Delete the live stream:
More resources

- Get started broadcasting a live stream using the Wowza Streaming Cloud REST API
- General Examples for the Wowza Streaming Cloud REST API
- Wowza Streaming Cloud REST API Reference Documentation