Learn how to use the REST API to get health metrics for an ultra low latency stream target in the Wowza Streaming Cloud™ service. Health metrics include details about the source connection and throughput details that can help you understand how a stream was received and processed.

**Note:** Ultra low latency streaming is available through Wowza Streaming Cloud with Ultra Low Latency. For more information see About ultra low latency streaming with Wowza Streaming Cloud.

## Contents

- Ultra low latency stream target health metrics parameters
- View current health metrics for an active ultra low latency stream target
- View historic health metrics for an ultra low latency stream target

### Ultra low latency stream target health metrics parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>from</td>
<td>string</td>
<td>For historic metrics only. The start of the range of time you want to view. Express the value by using the ISO 8601 standard of YYYY-MM-DDTHH:MM:SSZ where HH is a 24-hour clock in UTC.</td>
</tr>
<tr>
<td>interval</td>
<td>string</td>
<td>For historic metrics only. The length of time for a block of metrics. Valid values are second, minute, hour, day, or month or an integer with the unit s, m, h, or d. The default is 10m (10 minutes).</td>
</tr>
<tr>
<td>stream_target_id</td>
<td>string</td>
<td>Required. The unique alphanumeric string that identifies the ultra low latency stream target.</td>
</tr>
<tr>
<td>to</td>
<td>string</td>
<td>For historic metrics only. The end of the range of time you want to view. Express the value by using the ISO 8601 standard of YYYY-MM-DDTHH:MM:SSZ where HH is a 24-hour clock in UTC.</td>
</tr>
</tbody>
</table>
Notes:

- Although there are no absolute limits on the length of the time range or the interval you can query, the larger the range and the smaller the interval, the longer the query will take to process.
- Metrics are returned for WebSocket streams only.

View current health metrics for an active ultra low latency stream target

To view current stream health metrics for an active ultra low latency stream target, call the endpoint:

https://api.cloud.wowza.com/api/[version]/stream_targets/[stream_target_id]/metrics/current

The request returns a snapshot of current metrics for the stream target at the time of the request.

Example request and response

View the stream health metrics of an active ultra low latency stream target:

```
curl -X GET 
-H "wsc-api-key: ${WSC_API_KEY}" 
-H "wsc-access-key: ${WSC_ACCESS_KEY}" 
"${WSC_HOST}/api/${WSC_VERSION}/stream_targets/1234abcd/metrics/current"
```

Metrics for the active stream target (1234abcd in this example) are returned in the response, which should look something like this:

```
{
  "stream_target": {
    "id": "1234abcd",
    "metrics": {
      "average_total_connections": 45,
      "minimum_total_connections": 40,
      "maximum_total_connections": 50,
      "new_connections": 5,
      "dropped_connections": 0,
      "average_bytes_in": 276637.33,
      "created_at": "2017-09-01T10:27:52.000Z"
    }
  }
}
```

View historic health metrics for an ultra low latency stream target

To view historic stream health metrics for an ultra low latency stream target that's running or stopped, call the endpoint:

https://api.cloud.wowza.com/api/[version]/stream_targets/[stream_target_id]/metrics/historic

Example requests and responses

View stream health metrics for an ultra low latency stream target with 10-second intervals:

```
curl -X GET 
-H "wsc-api-key: ${WSC_API_KEY}" 
-H "wsc-access-key: ${WSC_ACCESS_KEY}" 
"${WSC_HOST}/api/${WSC_VERSION}/stream_targets/1234abcd/metrics/historic"
```

```
{
  "stream_target": {
    "id": "1234abcd",
    "metrics": {
      "average_total_connections": 45,
      "minimum_total_connections": 40,
      "maximum_total_connections": 50,
      "new_connections": 5,
      "dropped_connections": 0,
      "average_bytes_in": 276637.33,
      "created_at": "2017-09-01T10:27:52.000Z"
    }
  }
}
```
The command returns an array of metrics for the duration of the stream in 10-second blocks of time. It should look something like this:

View stream health metrics for the ultra low latency stream target **1234abcd** for a one day (September 10, 2017) at hourly intervals:
The command returns an array of metrics that should look something like this: