Get paginated query results with the Wowza Streaming Cloud REST API

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Learn how to get paginated results from REST API queries made in the Wowza Streaming Cloud™ service.

### Pagination parameters

To execute a request that returns paginated results, use these parameters.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>page</td>
<td>integer</td>
<td>Specify a positive integer to indicate which page of the results should be displayed. The default value is 1.</td>
</tr>
<tr>
<td>per_page</td>
<td>integer</td>
<td>Indicates how many records should be included on each page of results. A valid value is any positive integer. The default is 1000.</td>
</tr>
</tbody>
</table>

Oldest records are displayed first, newest records come last. Results display the following additional parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>page</td>
<td>integer</td>
<td>The page being displayed.</td>
</tr>
<tr>
<td>page_first_index</td>
<td>integer</td>
<td>The 0-based index of the first record on the page returned.</td>
</tr>
<tr>
<td>page_last_index</td>
<td>integer</td>
<td>The 0-based index of the last record on the page returned.</td>
</tr>
<tr>
<td>per_page</td>
<td>integer</td>
<td>The number of records included on each page of results.</td>
</tr>
<tr>
<td>total_pages</td>
<td>integer</td>
<td>The total number of pages generated by the query.</td>
</tr>
</tbody>
</table>
**total_records** | integer | The total number of records in the database that match the query.

### Example requests

You can append pagination parameters to any GET request made to the resources:

- `/live_streams`,
- `/players`,
- `/recordings`,
- `/schedules`,
- `/stream_sources`,
- `/stream_targets`, and
- `/transcoders`

#### Live streams example

The following request generates a paginated list of live streams that shows 25 streams per page. The first page of results will display the 25 oldest 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/?page=1&per_page=25"
```

The response should look something like this:
Recordings example
The following request generates a paginated list of recordings that shows 5 recordings per page. Because there happen to be 25 total records, the first page of results will display the 5 newest recordings.

```
curl -X GET \
-H "wsc-api-key: ${WSC_API_KEY}" \
-H "wsc-access-key: ${WSC_ACCESS_KEY}" \
"${WSC_HOST}/api/${WSC_VERSION}/recordings/?page=5&per_page=5"
```
The response should look something like this:

```
{
  "recordings": [1,2,3,4,5],
  "pagination": {
    "total_records": 25,
    "page": 5,
    "per_page": 5,
    "total_pages": 5,
    "page_first_index": 20,
    "page_last_index": 24
  }
}
```

Stream targets example
The following request generates a paginated list of stream targets that shows 10 stream targets per page. The first page of results will display the oldest stream targets.

```
curl -X GET \
-H "wsc-api-key: ${WSC_API_KEY}" \
-H "wsc-access-key: ${WSC_ACCESS_KEY}" \
"${WSC_HOST}/api/${WSC_VERSION}/stream_targets/?page=1&per_page=10"
```
The response should look something like this: