

General API usage

Authentication

To access the API, first an API key needs to be created from the Administration page. The key will be used as a header in the HTTP request.

MXSuite expects a `mx-apikey` header on each request.

```
mx-apikey: apikey
```

Besides the `mx-apikey` header, two more headers are required.

accept: application/json, text/plain, */*

content-type: application/json

Error handling

Successful responses will return a 200 or 204 HTTP response code. Errors will return a 4xx or a 5xx.

Some scenarios of errors:

- missing the `mx-apikey` header
- wrong api key
- expired api key
- MXSuite license expired
- The user doesn't have enough rights for that specific request

Examples

Below an example of how to use the API key in MXSuite. In this example the following parameters are used:

- URL for MXSuite: <http://localhost:4200/>
- Location mane: vessel2
- API key: 4a74ad039ffc4f3288da7a0e03e608da

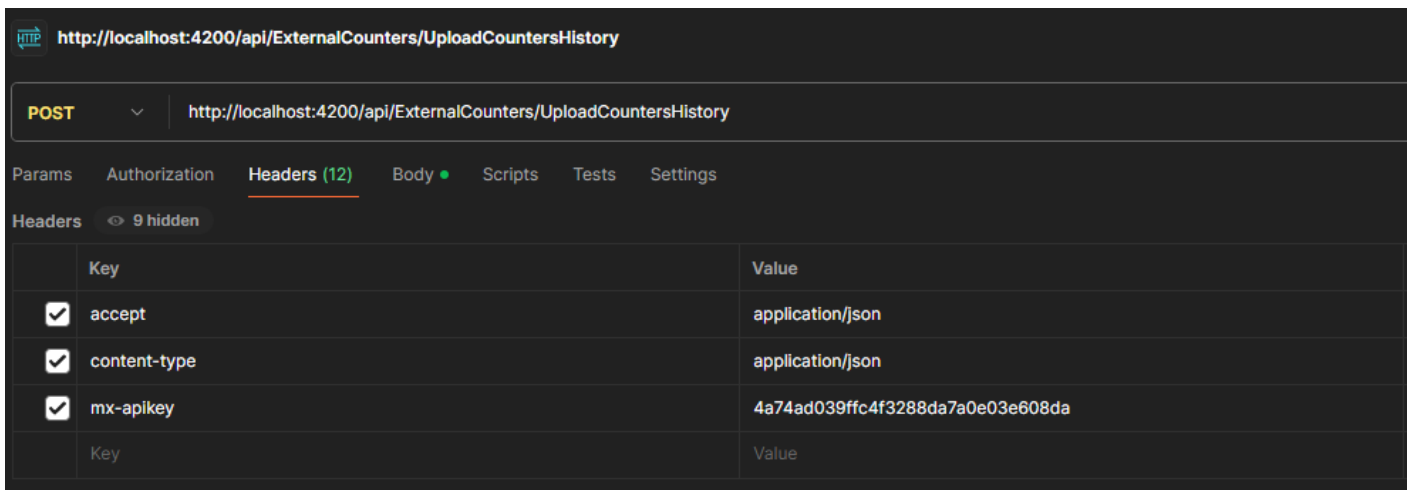
Postman

Postman can be downloaded here: <https://www.postman.com/downloads/>

Open Postman, click on Import button and paste the following command:

```
curl 'http://localhost:4200/api/ExternalCounters/UploadCountersHistory' \  
-H 'accept: application/json' \  
-H 'content-type: application/json' \  
-H 'mx-apikey: 4a74ad039ffc4f3288da7a0e03e608da' \  
--data-raw '[{"name": "c1", "locationName": "vessel2", "value": 1119, "timestamp": "2024-10-05T12:11:11.000Z"}, {"name": "C2", "locationName": "Vessel2", "value": 2229, "timestamp": "2024-10-05T12:11:11.000Z"}, {"name": "c3", "locationName": "Vessel2", "value": 3339, "timestamp": "2024-10-05T12:11:11.000Z"}]'
```

In the Headers tab the API key can be changed:



The screenshot shows a REST client interface with the following details:

- URL: `http://localhost:4200/api/ExternalCounters/UploadCountersHistory`
- Method: `POST`
- Active Tab: `Headers (12)`
- Header List:

Key	Value
<input checked="" type="checkbox"/> <code>accept</code>	<code>application/json</code>
<input checked="" type="checkbox"/> <code>content-type</code>	<code>application/json</code>
<input checked="" type="checkbox"/> <code>mx-apikey</code>	<code>4a74ad039ffc4f3288da7a0e03e608da</code>
Key	Value

In the Body tab, the payload value can be changed.

HTTP http://localhost:4200/api/ExternalCounters/UploadCountersHistory

POST http://localhost:4200/api/ExternalCounters/UploadCountersHistory

Params Authorization Headers (12) Body Scripts Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 [
2   {
3     "name": "c1",
4     "locationName": "vessel2",
5     "value": 1119,
6     "timestamp": "2024-10-05T12:11:11.000Z"
7   },
8   {
9     "name": "C2",
10    "locationName": "Vessel2",
11    "value": 2229,
12    "timestamp": "2024-10-05T12:11:11.000Z"
13  },
14  {
15    "name": "c3",
16    "locationName": "Vessel2",
17    "value": 3339,
18    "timestamp": "2024-10-05T12:11:11.000Z"
19  }
20 ]
```

Response

Console

Define a payload variable:

```
let payload = [
  {
    "name": "c1",
    "locationName": "vessel2",
    "value": 1119,
    "timestamp": new Date(2024,09,05,15,11,11)
  },
  {
    "name": "C2",
    "locationName": "Vessel2",
    "value": 2229,
    "timestamp": new Date(2024,09,05,15,11,11)
  },
  {
    "name": "c3",
    "locationName": "Vessel2",
    "value": 3339,
```

```
        "timestamp": new Date(2024,09,05,15,11,11)
    }
];
```

Request:

```
fetch("http://localhost:4200/api/ExternalCounters/UploadCountersHistory", {
  "headers": {
    "accept": "application/json",
    "content-type": "application/json",
    "mx-apikey": "4a74ad039ffc4f3288da7a0e03e608da",
  },
  "body": JSON.stringify(payload),
  "method": "POST"
}).then(response => response.json())
  .then(data => console.log(data))
  .catch(error => console.error('Error:', error));
```

Don't forget to change the mx-apikey header value

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