Accessing GoodWe Sems Portal API: A Comprehensive Guide

Source: https://community.goodwe.com/solution/API%20introduction
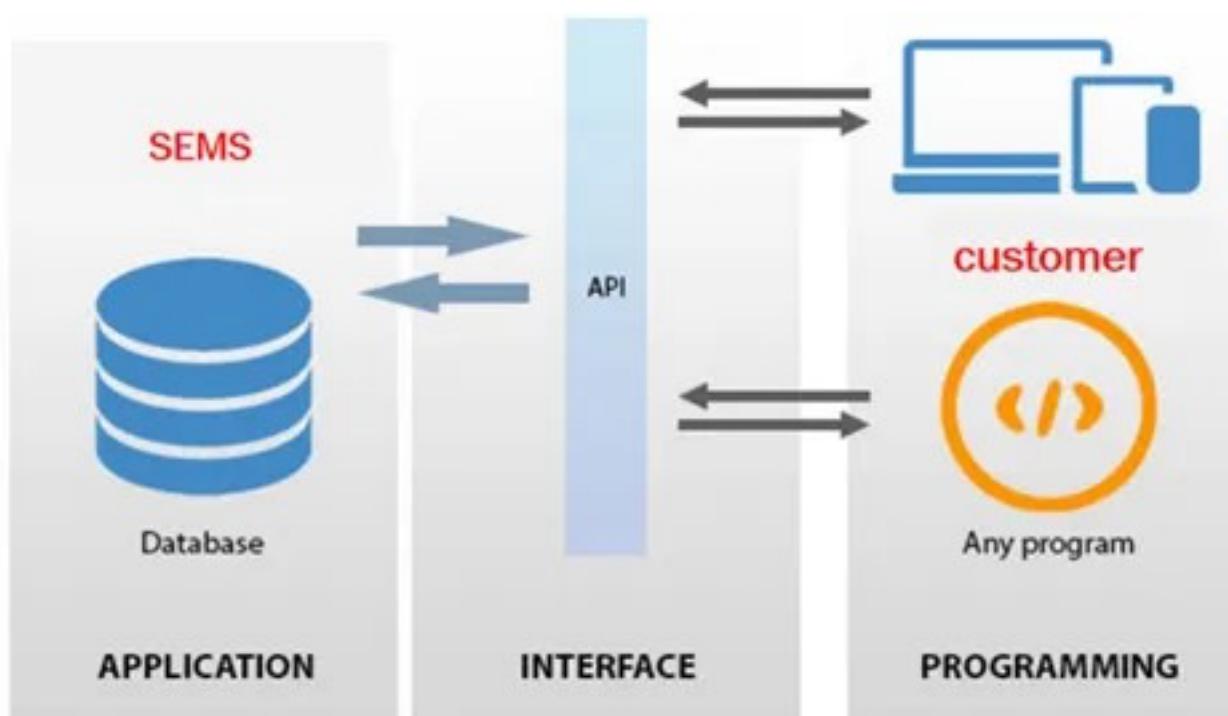
Step 1: CrossLogin — Obtaining a Token

To access the GoodWe Sems Portal API, the first step is to obtain an authentication token by using the `CrossLogin` endpoint. This token will be used for subsequent API requests. Here's an example of how to make the request.

```
curl --location 'https://www.semsportal.com/api/v1/Common/CrossLogin' \
--header 'Content-Type: application/json' \
--header 'Token: {"version":"v2.1.0","client":"ios","language":"en"}' \
--data-raw '{"account":"<email>","pwd":"<password>"}'
```

In the response, you will receive a JSON object containing the `token`, `uid`, `timestamp`, `api` and other relevant information. Here's a sample response for the above request.

```
{
    "hasError": false,
    "code": 0,
    "msg": "Successful",
    "data": {
        "uid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "timestamp": 1687866265523,
        "token": "xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
        "client": "ios",
        "version": "v2.1.0",
        "language": "en"
    },
    "components": {
        "para": null,
        "langVer": 179,
        "timeSpan": 0,
        "api": "http://hk.semsportal.com:82/api/Auth/GetToken",
        "msgSocketAdr": "https://hk-xxzx.semsportal.com"
    },
    "api": "https://hk.semsportal.com/api/"
}
```

Step 2: GetMonitorDetailByPowerstationId — Retrieving Monitor Details

Once you have obtained the authentication token, you can use it to retrieve monitor details by using the `GetMonitorDetailByPowerstationId` endpoint. This endpoint provides information about a specific power station associated with your GoodWe inverters and batteries.

```
curl --location '<api>/v1/PowerStation/GetMonitorDetailByPowerstationId' \
--header 'Content-Type: application/json' \
--header 'Token:
{"version":"v2.1.0","client":"ios","language":"en","timestamp":"<timestamp>","ui
d":"<uid>","token":"<token>"}' \
--data '{"powerStationId":"<powerStationId>"}'
```

In above request, replace `<api>` with the URL obtained from the `CrossLogin` response. Also, ensure to provide the `<timestamp>`, `<uid>`, and `<token>` values as obtained from the `CrossLogin` response. `<powerStationId>` can be found by observing the URL (`https://www.semsportal.com/PowerStation/PowerStatusSnMin/<powerStationId>`) after login in to GoodWe Sems Portal. The response for the above request contains information about a given power station.