## **Overview**

The API provides endpoints to receive payload data and store the main information (temperature, humidity, occupancy …) into an MSSQL database. It is built with .NET Core and C#.

**Endpoints**

### **Receive Payload 1**

Endpoint: api/payload/savePayload1

Receives a payload containing device data and stores the main information into the MSSQL database.

#### **Request**

* Method: POST
* Content-Type: application/json

##### **Request Body**

Example payload:

json

{

"deviceId": "ibm-878A66",

"deviceType": "computer1.0.0",

"deviceName": "VN1-1-3",

"groupId": "847b3b2f1b05dc4",

"dataType": "DATA",

"data": {

"fullPowerMode": **false**,

"activePowerControl": **true**,

"firmwareVersion": 1,

"temperature": 30,

"humidity": 51

},

"timestamp": 1629369697

}

##### 

##### **Response**

* Status Code: 200 OK
* Content-Type: application/json

Example response body:

json

{

"message": "Received payload and successfully saved."

}

### **Receive Payload 2**

Endpoint: api/payload/savePayload2

Receives a payload containing device data and stores the main information into the MSSQL database.

#### **Request**

* Method: POST
* Content-Type: application/json

##### **Request Body**

Example payload:

json

{

"deviceId": "ibm-00976A",

"deviceType": "computer1.0.0",

"deviceName": "VN1-1-4",

"groupId": "49548881c4d2bea9",

"dataType": "DATA",

"data": {

"version": 3,

"messageType": "periodic",

"occupancy": **false**,

"stateChanged": 0

},

"timestamp": 1629629040

}

##### **Response**

* Status Code: 200 OK
* Content-Type: application/json

Example response body:

json

{

"message": "Received payload and successfully saved."

}

#### **Error Handling**

If any errors occur during payload processing, the API will return an appropriate error response.

Example error response:

json

{

"StatusCode": 500,

"Message": "An error occurred while processing the request."

}