

Test data for Postman:

Methods

Method Type: GET

- Get Gateway by serial number: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870>
- Get Gateway by serial number (Gateway doesn't exist): <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991877>
- Get all Gateways(paging): <http://localhost:5001/api/gateways/pag?pageNumber=1&pageSize=2>
- Get all devices for a Gateway: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices>
- Get Device for UID: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/6>
- Get Device for UID (It doesn't exist): <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/5>

Method Type: POST

- Create Gateway: <http://localhost:5001/api/gateways>

Body

```
{  
  "name": "Gateway33",  
  "IPv4Address": "10.8.73.25",  
  "devices": null  
}
```

Body with invalid IPv4

```
{  
  "name": "Gateway5",  
  "IPv4Address": "10.8.77.",  
  "devices": null  
}
```

- Create Device: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices>

Body

```
{  
  "vendor": "Exp KL09",  
  "dateCreated": "2022-08-02T00:00:00",  
  "status": true  
}
```

Method Type: DELETE

- Delete Gateway with its devices: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991845>
- Delete Gateway with its devices (gateway doesn't exist): <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991845>

- Delete Device: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/2>
- Delete Device (it's doesn't exist): <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/5>

Method Type: **PUT**

- Update Device: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/8>

Body

```
{
  "vendor": "Modem-08X",
  "dateCreated": "2022-08-07T00:00:00",
  "status": false
}
```

- Update Device (gateway doesn't exist): <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991830/devices/8>
- Update Device (device doesn't exist): <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991830/devices/90>
- Update Gateway: <http://localhost:5001/api/gateways/8255F798-F6F8-4447-FAC3-08DA7A32EEDE>

```
{
  "name": "Gateway1",
  "IPv4Address": "10.8.77.120",
  "devices": null
}
```

- Update Gateway (Gateway doesn't exist): <http://localhost:5001/api/gateways/00C0D27E-9032-4A58-87F1-08DA7B20E1E7>

Method Type(examples): **GET**

Get Gateway by serial number: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870>

GET <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870> Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE
Key	Value

Body Cookies Headers (4) Test Results

200 OK

Standard response for successful HTTP requests. The actual response will depend on the request method used. In a GET request, the response will contain an entity corresponding to the requested resource. In a POST request the response will contain an entity describing or containing the result of the action.

200 OK 106 ms 264 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "serialNumber": "c9d4c053-49b6-410c-bc78-2d54a9991870",
3   "name": "Gateway1",
4   "IPv4Address": "10.8.77.120",
```

Get Gateway by serial number (Gateway doesn't exist): <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991877>

GET <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991877> Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Type No Auth

This request does not use any authorization. Learn more about authorization

Body Cookies Headers (4) Test Results

Status: 400 Bad Request Time: 2.65 s Size: 177 B Save Response

400 Bad Request

The request cannot be fulfilled due to bad syntax.

Pretty Raw Preview Visualize Text

```
1 This Gateway doesn't exist
```

Get all Gateways: <http://localhost:5001/api/gateways/pag?pageNumber=1&pageSize=2>

GET <http://localhost:5001/api/gateways/pag?pageNumber=1&pageSize=2> Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Type No Auth

This request does not use any authorization. Learn more about authorization

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 92 ms Size: 493 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "serialNumber": "021ca3c1-0deb-4afd-ae94-2159a8479811",
3   "name": "Gateway2",
4   "IPv4Address": "10.8.77.130",
5   "devices": null
6 },
7 {
8   "serialNumber": "c9d4c053-49b6-410c-bc78-2d54a9991870",
9   "name": "Gateway1",
10  "IPv4Address": "10.8.77.120",
11  "devices": null
12 }
13 }
```

Get all devices for a Gateway: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices>

The screenshot shows a REST client interface with a GET request to `http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices`. The response is a 200 OK status with a JSON body. A red box highlights the response status and a tooltip explaining that 200 OK is a standard response for successful HTTP requests.

200 OK

Standard response for successful HTTP requests. The actual response will depend on the request method used. In a GET request, the response will contain an entity corresponding to the requested resource. In a POST request the response will contain an entity describing or containing the result of the action.

```
12  {
13    "vendor": "Modem Dell",
14    "dateCreated": "2022-08-07T00:00:00",
15    "status": false,
16    "associatedGatewaySerialNumber": "c9d4c053-49b6-410c-bc78-2d54a9991870-4",
17    "gateway": null
18  },
19  {
20    "uid": 4,
21    "vendor": "Router 0X",
```

Get Device for UID: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/6>

The screenshot shows a REST client interface with a GET request to `http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/6`. The response is a 200 OK status with a JSON body. A red box highlights the response status and the JSON body.

Status: 200 OK Time: 217 ms Size: 316 B

```
1  {
2    "uid": 6,
3    "vendor": "Router FF3G",
4    "dateCreated": "2022-08-07T00:00:00",
5    "status": true,
6    "associatedGatewaySerialNumber": "c9d4c053-49b6-410c-bc78-2d54a9991870",
```

Get Device for UID (It doesn't exist): <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/5>

The screenshot shows a REST client interface with a GET request to `http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/5`. The response is a 400 Bad Request status. A red box highlights the response status and a tooltip explaining that the request cannot be fulfilled due to bad syntax.

400 Bad Request

The request cannot be fulfilled due to bad syntax.

```
1  This Devices doesn't exist
```

Method Type(examples): **POST**

Create Gateway: <http://localhost:5001/api/gateways>

Body

```
{
  "name": "Gateway33",
  "IPv4Address": "10.8.73.25",
  "devices": null
}
```

POST http://localhost:5001/api/gateways

Body

```
1 {
2   "name": "Gateway17",
3   "IPv4Address": "10.8.89.29",
4   "devices": null
5 }
6
```

Status: 201 Created Time: 39.43 s Size: 350 B

201 Created

The request has been fulfilled and resulted in a new resource being created.

```
1 {
2   "serialNumber": "8255f798-f6f8-4447-fac3-08da7a3",
3   "name": "Gateway17",
4   "IPv4Address": "10.8.89.29",
5   "devices": []
6 }
```

Body with invalid IPv4

```
{
  "name": "Gateway5",
  "IPv4Address": "10.8.77.",
  "devices": null
}
```

POST http://localhost:5001/api/gateways

Body

```
1 {
2   "serialNumber": "c9d4c053-49b6-410c-bc78-2d54a9991871",
3   "name": "Gateway5",
4   "IPv4Address": "10.8.77.",
5   "devices": null
6 }
```

Status: 400 Bad Request Time: 4.85 s Size: 171 B

400 Bad Request

The request cannot be fulfilled due to bad syntax.

```
1 Invalid IPv4 address
```

Create Device: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices>

Body

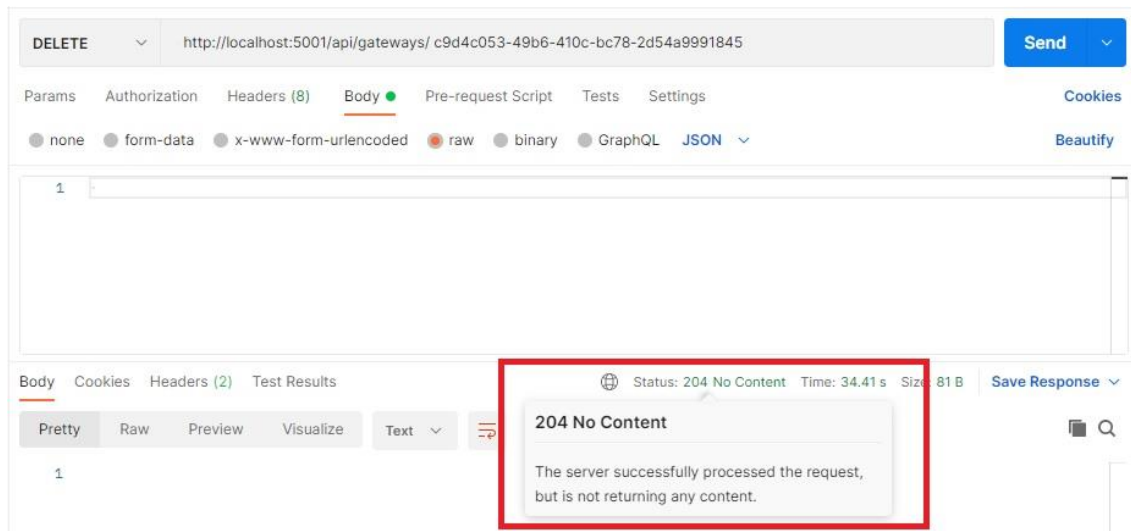
```
{
  "vendor": "Exp KL09",
  "dateCreated": "2022-08-02T00:00:00",
  "status": true
}
```

The first screenshot shows a successful POST request to `http://localhost:5001/api/gateways/8255f798-f6f8-4447-fac3-08da7a32eede/devices`. The request body is a JSON object with `vendor: "Exp KL09"`, `dateCreated: "2022-08-02T00:00:00"`, and `status: true`. The response status is **201 Created** with the message "The request has been fulfilled and resulted in a new resource being created." The response body shows the created device with `uid: 1007` and `associatedGatewaySerialNumber: "8255f798-f6f8-4447-fac3-08da7a32eede"`.

The second screenshot shows a failed POST request to `http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices`. The request body is identical to the first. The response status is **400 Bad Request** with the message "The request cannot be fulfilled due to bad syntax." The response body contains the error message: "1 This Gateway has the maximum(10) associated devices".

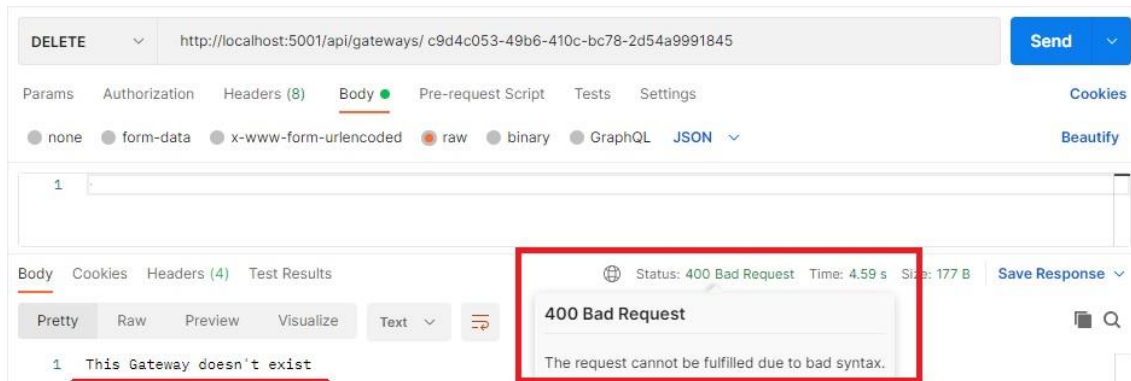
Method Type(examples): DELETE

Delete Gateway with its devices: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991845>

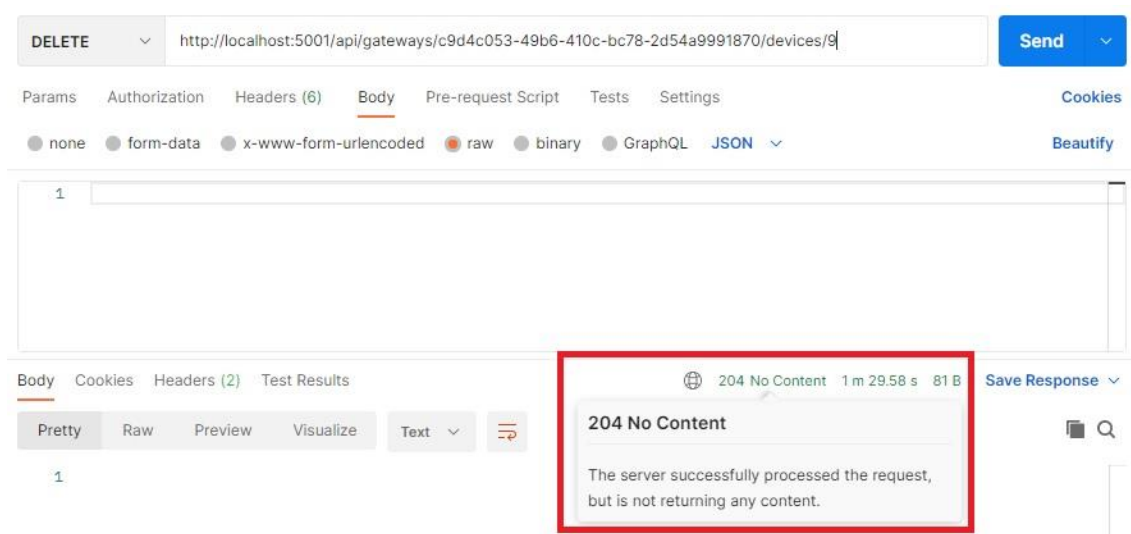


Delete Gateway with its devices (gateway doesn't exist):

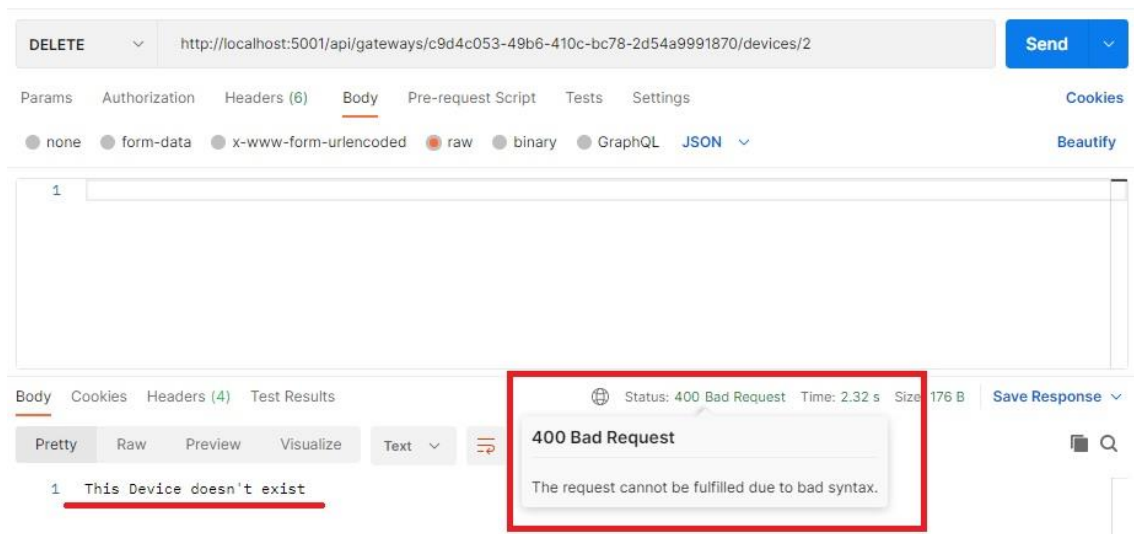
<http://localhost:5001/api/gateways/ c9d4c053-49b6-410c-bc78-2d54a9991845>



Delete Device: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/2>



Delete Device (it's doesn't exist): <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/5>

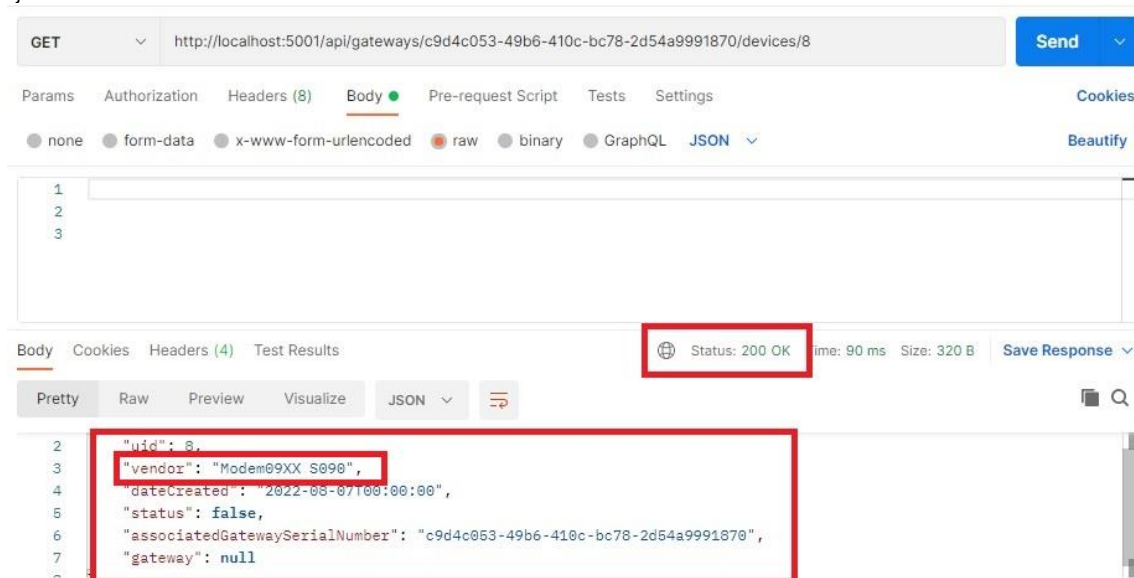


Method Type(examples): PUT

Update Device: <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/8>

Body

```
{  
  "vendor": "Modem-08X",  
  "dateCreated": "2022-08-07T00:00:00",  
  "status": false  
}
```



PUT <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/8> Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

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

```
1 {
2   "vendor": "Modem-08X",
3   "dateCreated": "2022-08-07T00:00:00",
4   "status": false
5 }
```

Body Cookies Headers (2) Test Results

Pretty Raw Preview Visualize Text 204 No Content

1

Status: 204 No Content Time: 6.56 s Size: 81 B Save Response

The server successfully processed the request, but is not returning any content.

GET <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/8> Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

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

```
1
2
3
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON 200 OK

```
1 {
2   "uid": 8,
3   "vendor": "Modem-08X",
4   "dateCreated": "2022-08-07T00:00:00",
5   "status": false,
6   "associatedGatewaySerialNumber": "c9d4c053-49b6-410c-bc78-2d54a9991870",
7   "gateway": null
8 }
```

Status: 200 OK Time: 120 ms Size: 315 B Save Response

Update Device (gateway doesn't exist): <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991830/devices/8>

PUT <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991830/devices/8> Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

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

```
1 {
2   "vendor": "Modem-08X",
3   "dateCreated": "2022-08-07T00:00:00",
4   "status": false
5 }
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize Text 400 Bad Request

1 This Gateway doesn't exist

Status: 400 Bad Request Time: 3.90 s Size: 177 B Save Response

The request cannot be fulfilled due to bad syntax.

Update Device (device doesn't exist): <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991830/devices/90>

PUT <http://localhost:5001/api/gateways/c9d4c053-49b6-410c-bc78-2d54a9991870/devices/90> Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

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

```
1 {
2   "vendor": "Modem-08X",
3   "dateCreated": "2022-08-07T00:00:00",
4   "status": false
5 }
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize Text

Status: 400 Bad Request Time: 3.93 s Size: 176 B Save Response

400 Bad Request

The request cannot be fulfilled due to bad syntax.

1 This Device doesn't exist

Update Gateway: <http://localhost:5001/api/gateways/8255F798-F6F8-4447-FAC3-08DA7A32EED8>

GET <http://localhost:5001/api/gateways/efe029c1-34c4-4b2b-569b-08da7a91a8e8> Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

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

```
1
2
3
```

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON

Status: 200 OK Time: 73 ms Size: 263 B Save Response

```
1 {
2   "serialNumber": "efe029c1-34c4-4b2b-569b-08da7a91a8e8",
3   "name": "GatewayR34",
4   "IPv4Address": "10.8.73.52"
5 }
6
```

The image displays two screenshots of a REST client interface, likely Postman, showing the results of two API calls.

Top Screenshot (PUT Request):

- Method:** PUT
- URL:** `http://localhost:5001/api/gateways/efe029c1-34c4-4b2b-569b-08da7a91a8e8`
- Body:** The request body is JSON, containing:

```
{  "name": "Gateway 00C",  "IPv4Address": "10.8.73.23"}
```
- Response:** The status is **204 No Content**. The response body is empty.

Bottom Screenshot (GET Request):

- Method:** GET
- URL:** `http://localhost:5001/api/gateways/efe029c1-34c4-4b2b-569b-08da7a91a8e8`
- Body:** The request body is JSON, containing:

```
{  "name": "Gateway 00C",  "IPv4Address": "10.8.73.23"}
```
- Response:** The status is **200 OK**. The response body is JSON, containing:

```
{  "serialNumber": "efe029c1-34c4-4b2b-569b-08da7a91a8e8",  "name": "Gateway 00C",  "IPv4Address": "10.8.73.23",  "devices": []}
```

Update Gateway (Gateway doesn't exist): <http://localhost:5001/api/gateways/00C0D27E-9032-4A58-87F1-08DA7B20E1E7>

Body

```
{  "name": "Gateway1",  "IPv4Address": "10.8.77.120",  "devices": null},
```

PUT http://localhost:5001/api/gateways/00C0D27E-9032-4A58-87F1-08DA7B20E1E7 Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

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

```
1 {
2   ...
3   ... "name": "Gateway-98U",
4   ... "IPv4Address": "10.8.3.111",
5   ... "devices": null
}
```

Body Cookies Headers (4) Test Results

Status: 400 Bad Request Time: 75 ms Size: 177 B Save Response

400 Bad Request

The request cannot be fulfilled due to bad syntax.

1 This Gateway doesn't exist