

Debugging

The different debugging technics also in the cloud

- [Debugging RESTful API](#)

Debugging RESTful API

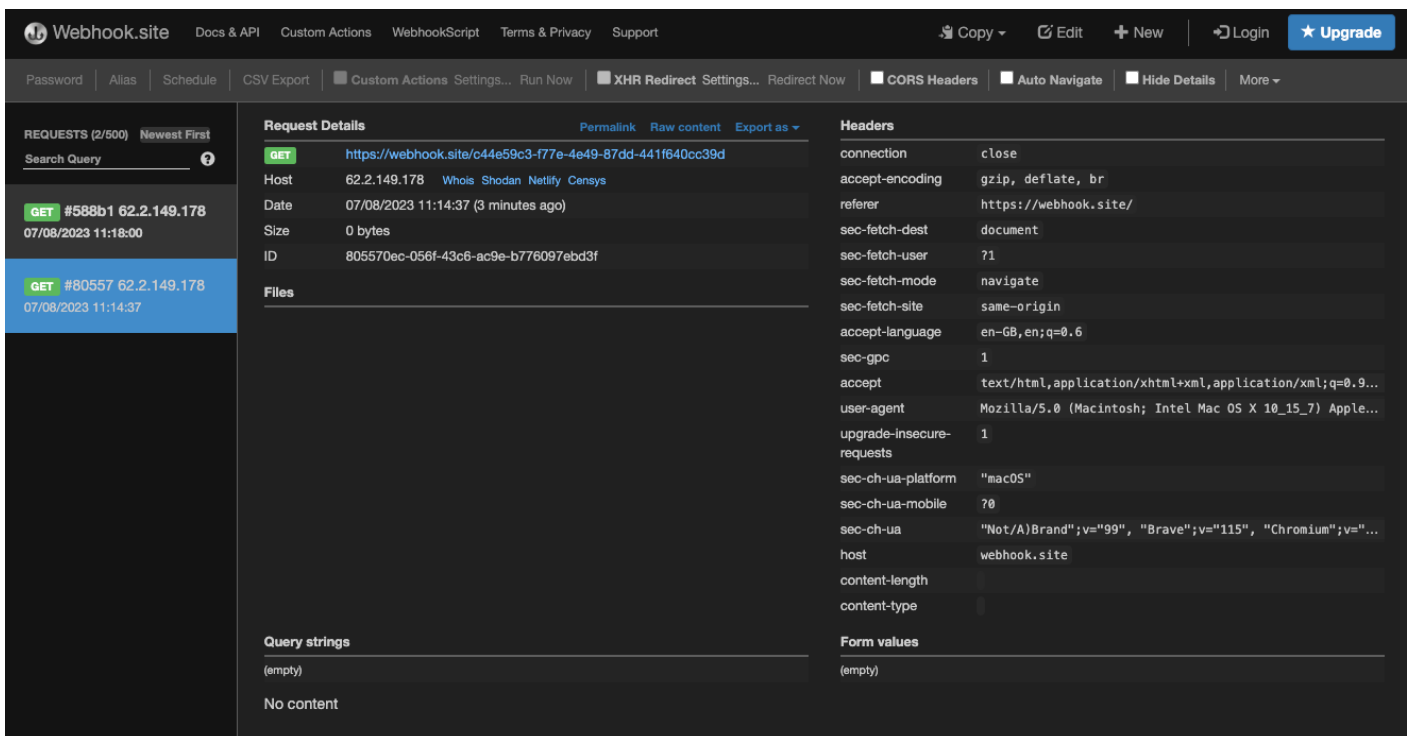
If you need to integrate for example IoT devices, you need maybe to check why the device is not able to connect to the server processing your location data or other data from a LoRaWAN Tracker or any other IoT device.

For this there's a very good service to see what kind of requests the IoT device or a middleware is making during an uplink of the data.

First the Selfhosted tools:

webhook.site

With Webhook.site, you instantly get a unique, random URL that you can use to test and debug Webhooks and HTTP requests, as well as to create your own workflows using the Custom Actions graphical editor or WebhookScript, a simple scripting language, to transform, validate and process HTTP requests.



The screenshot displays the Webhook.site web application interface. At the top, there's a navigation bar with links for Docs & API, Custom Actions, WebhookScript, Terms & Privacy, and Support. On the right, there are buttons for Copy, Edit, New, Login, and Upgrade. Below the navigation bar, there's a search bar and a list of requests. The left sidebar shows a list of requests, with the most recent one highlighted in blue. The main content area shows the details of the selected request, including the method (GET), URL, host, date, size, and ID. It also displays the request headers, query strings, and files.

REQUESTS (2/500)	Request Details	Headers
GET #588b1 62.2.149.178 07/08/2023 11:18:00	GET https://webhook.site/c44e59c3-f77e-4e49-87dd-441f640cc39d Host: 62.2.149.178 Whois Shodan Netlify Censys Date: 07/08/2023 11:14:37 (3 minutes ago) Size: 0 bytes ID: 805570ec-056f-43c6-ac9e-b776097ebd3f	connection: close accept-encoding: gzip, deflate, br referer: https://webhook.site/ sec-fetch-dest: document sec-fetch-user: ?1 sec-fetch-mode: navigate sec-fetch-site: same-origin accept-language: en-GB,en;q=0.6 sec-gpc: 1 accept: text/html,application/xhtml+xml,application/xml;q=0.9... user-agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) Apple... upgrade-insecure-requests: 1 sec-ch-ua-platform: "macOS" sec-ch-ua-mobile: ?0 sec-ch-ua: "Not(A)Brand";v="99", "Brave";v="115", "Chromium";v="..." host: webhook.site content-length: content-type:
GET #80557 62.2.149.178 07/08/2023 11:14:37	Files Query strings (empty) No content	Form values (empty)







Github Development Page: <https://github.com/webhooksite/webhook.site>

Docker Image: <https://hub.docker.com/r/webhooksite/webhook.site>

Request Baskets

Request Baskets is a web service to collect arbitrary HTTP requests and inspect them via RESTful API or simple web UI.

Request Baskets



Basket: demo

Requests: 3 (3)

[DELETE]

⌚ 4:09:56 PM
📅 8/15/2016

/demo/123

Headers

[POST]

⌚ 4:09:23 PM
📅 8/15/2016

/demo

Headers

Body

```
{
  "id": 45902,
  "type": "image",
  "size": {
    "x": 1200,
    "y": 800
  }
}
```

[GET]

⌚ 4:07:51 PM
📅 8/15/2016

/demo?name=Peter+Pan&value=923831

Headers

Query Params

There's also a docker image here: <https://hub.docker.com/r/darklynx/request-baskets>

Beeceptor

With beeceptor you Build mock APIs in a few seconds, Inspect & Intercept HTTP requests.

With the free plan you can create 50 requests/day, see the pricing here:

<https://beeceptor.com/pricing>

Very interesting is the inspection of HTTP request, check it out: <https://beeceptor.com/docs/inspect-http-request-payloads/>

#endpoint.free.beeceptor.com 2

Rules enabled

<https://endpoint.free.beeceptor.com> → {nowhere} Mocking Rules (15)  Proxy Setup

Looks Awesome!

The following endpoint is all set up. Use it in your code as base URL and send a request. You can inspect these requests here and build rules to mock responses.

<https://endpoint.free.beeceptor.com>

For example, run the following command in shell/terminal to get started.

```
curl -v -X POST 'https://endpoint.free.beeceptor.com/my/api/path' -H 'Content-Type: application/json' -d '{"data": "Hello Beeceptor"}'
```

(or [click here](#) to simulate in web-browser)

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PostBin

Programmatically Test your API Clients or Webhooks.

<https://postb.in/>

RequestBin

Inspect webhooks and HTTP requests.

Get a URL to collect HTTP or webhook requests and inspect them in a human-friendly way. Optionally connect APIs, run code and return a custom response on each request.

<https://requestbin.com>

More Tools

Link	Description
https://transfer.symbiose.com/download/info/	Info about request headers

Link	Description
https://httpbin.org/	Analysis for request and responses