

# Debugging

The different debugging technics also in the cloud

- [Debugging RESTful API](#)

# Debugging RESTful API

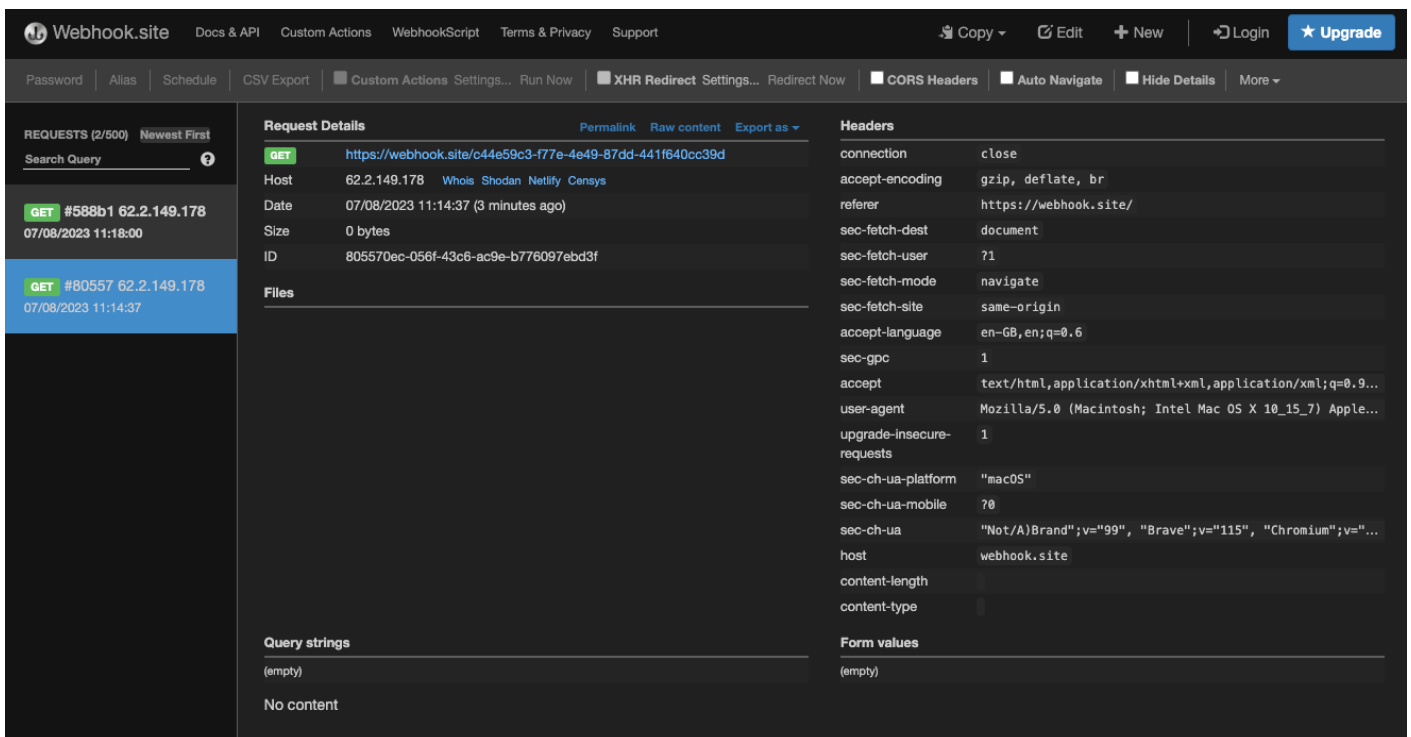
If you need to integrate for example IoT devices, you need maybe to check why the device is not able to connect to the server processing your location data or other data from a LoRaWAN Tracker or any other IoT device.

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](https://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 like 'Webhook.site', 'Docs & API', 'Custom Actions', 'WebhookScript', 'Terms & Privacy', and 'Support'. Below this is a toolbar with various settings and actions like 'Copy', 'Edit', 'New', 'Login', and 'Upgrade'. The main area is divided into a left sidebar and a main content area. The sidebar shows a list of requests, with the most recent one highlighted. The main content area displays the details of the selected request, including the method (GET), URL, host, date, size, and ID. It also shows the request headers, files, query strings, and form values.

REQUESTS (2/500)	Newest First
GET #588b1 62.2.149.178	07/08/2023 11:18:00
GET #80557 62.2.149.178	07/08/2023 11:14:37

**Request Details**

Method: GET  
URL: https://webhook.site/c44e59c3-f77e-4e49-87dd-441f640cc39d  
Host: 62.2.149.178  
Date: 07/08/2023 11:14:37 (3 minutes ago)  
Size: 0 bytes  
ID: 805570ec-056f-43c6-ac9e-b776097ebd3f

**Headers**

Header	Value
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	

**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 <sup>2</sup>

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)

© 2019 Beeceptor.com · [FAQ](#) · [Contact](#) · [Privacy Policy](#) · [Terms of Service](#)

## 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
<a href="https://transfer.symbiose.com/download/info/">https://transfer.symbiose.com/download/info/</a>	Info about request headers
<a href="https://httpbin.org/">https://httpbin.org/</a>	Analysis for request and responses