Debugging

The different debugging technics also in the cloud

- Debugging RESTful API

Debugging RESTful API

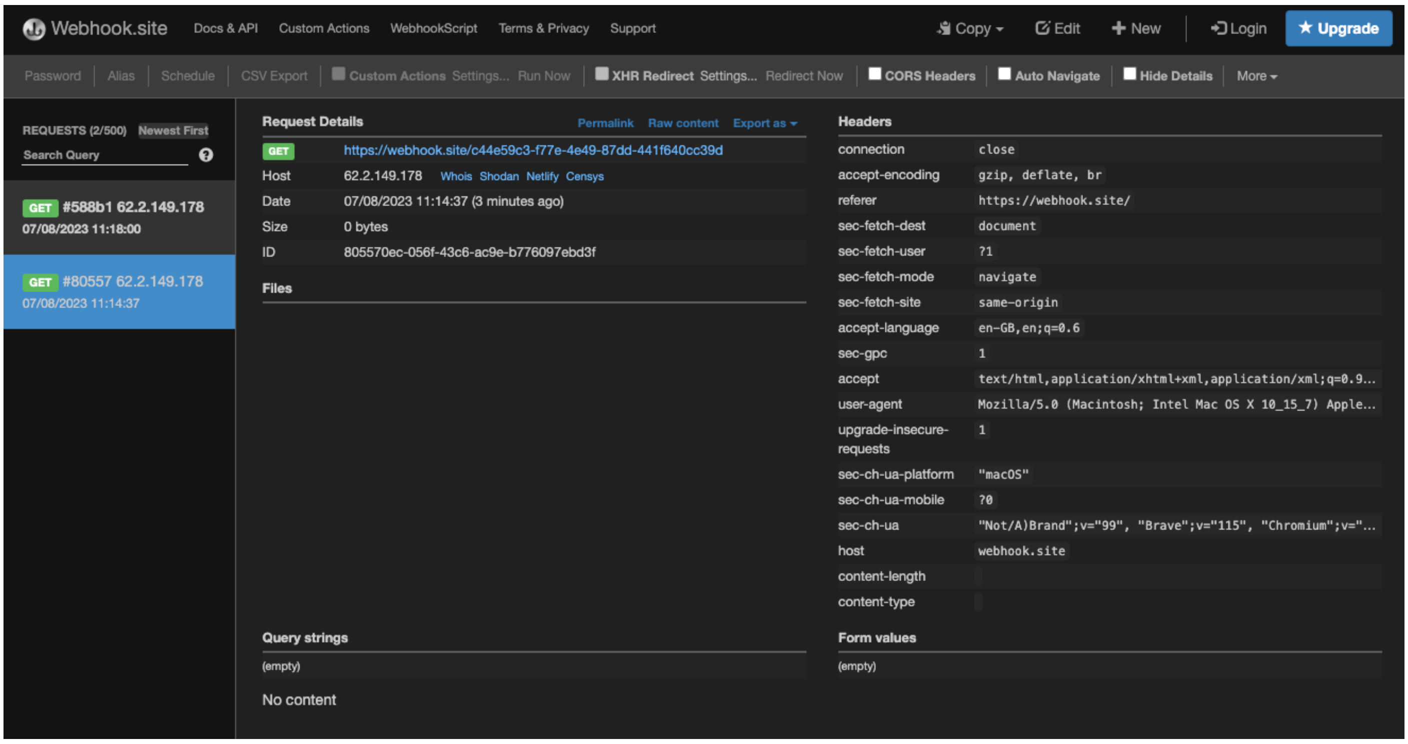
If you need to integrate for example IoT devices, you need maybe to check why the device is not able to connect to the server processing your location data or other data from a LoRaWAN Tracker or any other IoT device.

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.



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

GET	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

Files

Query strings

(empty)

No content

Headers

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	

Form values

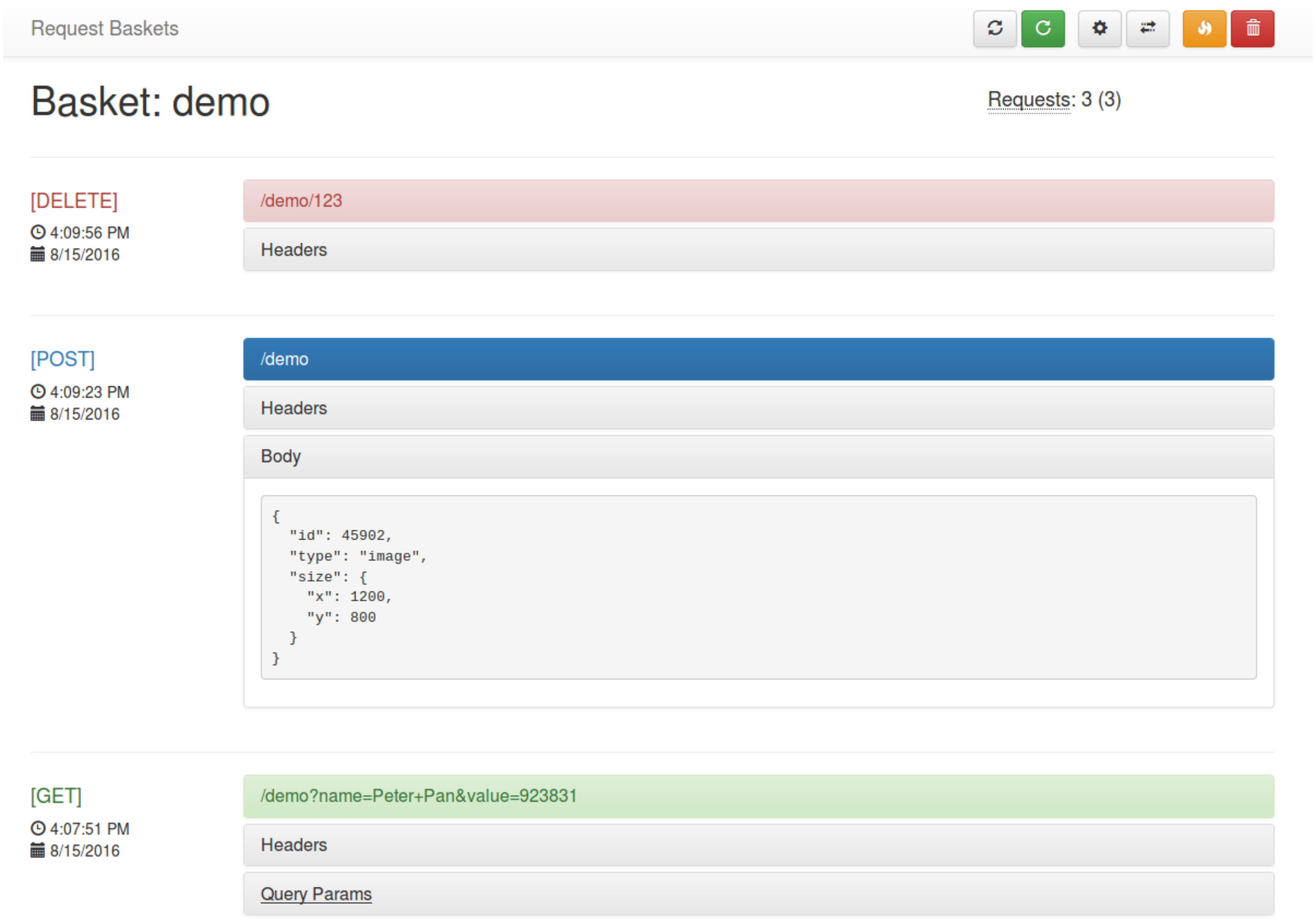
(empty)

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.



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

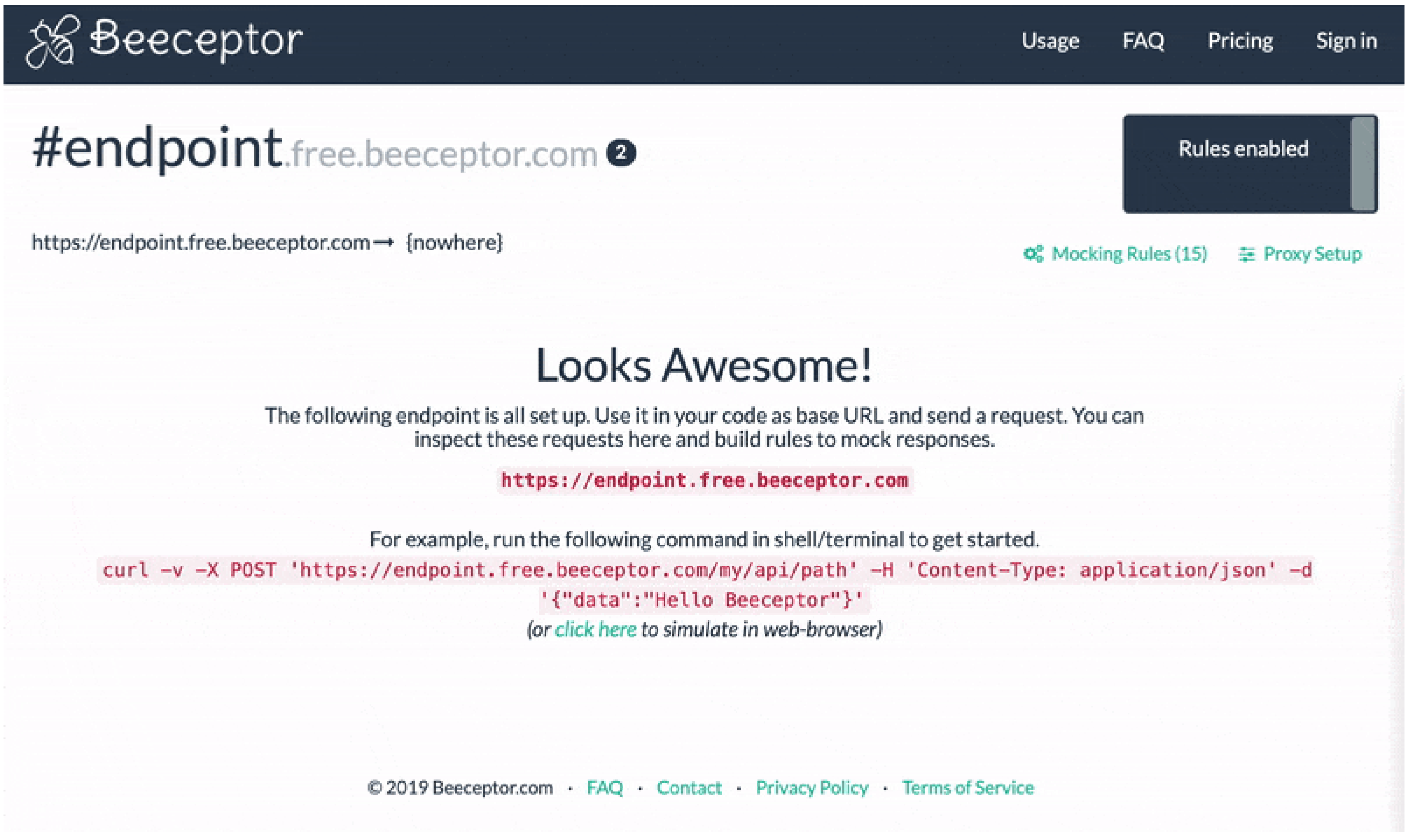
There's also a docker image here: https://hub.docker.com/r/darklynx/request-baskets

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/


Beeceptor
Usage
FAQ
Pricing
Sign in
#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
https://httpbin.org/	Analysis for request and responses