man-in-the-middle http(s) proxy mitmproxy

mitproxy is a very cool and comfortable man-in-the-middle proxy server for https and http communications. just download the binary from their webpage and start one of the three executables. If you want a nice gui, mitmweb is a good choice, it will start a http(s) proxy on port 8080 and a webserver on port 8081 where you can see all the intercepted traffic and play with it.

the big advantage over the developer tools of chrome and firefox is simply, that it also works with curl and other applications :)

for fiefox and chrome check out the ProxySwitch extension which allows you to easily enable and disable the use of a proxy server in those two browsers.

here is a config for mitmproxy running on the same machine:

```
[mitmproxy
http=127.0.0.1:8080
https=127.0.0.1:8080
noProxy=127.0.0.1:8080
]
```

Docker

there is also a docker container available. here is a snippet out of a docker-compose config if you want to add mitm to your project to analyze traffic from your apps:

```
proxy:
   image: mitmproxy/mitmproxy
   restart: always
   networks:
        - intranet
   ports:
        - 8888:8081
   command: mitmweb --web-host 0.0.0.0 --ssl-insecure
```

(note the <code>-ssl-insecure</code> option was only needed when analyzing traffic going to a server with an invalid or self-signed certificate)

I have also added the following environment variables to the other containers, but i haven't found any linux utility that reads those yet, so you will probably have to manually configure the specific applications inside your containers for using a proxy.

```
environment:
   HTTP_PR0XY: "http://proxy:8080"
   HTTPS_PR0XY: "https://proxy:8080"
   NO_PR0XY: "127.0.0.1, localhost"
```

From:

http://wiki.psuter.ch/ - pswiki

Permanent link:

http://wiki.psuter.ch/doku.php?id=man-in-the-middle_http_s_proxy_mitmproxy

Last update: **06.01.2022 15:32**



http://wiki.psuter.ch/ Printed on 06.11.2025 06:16