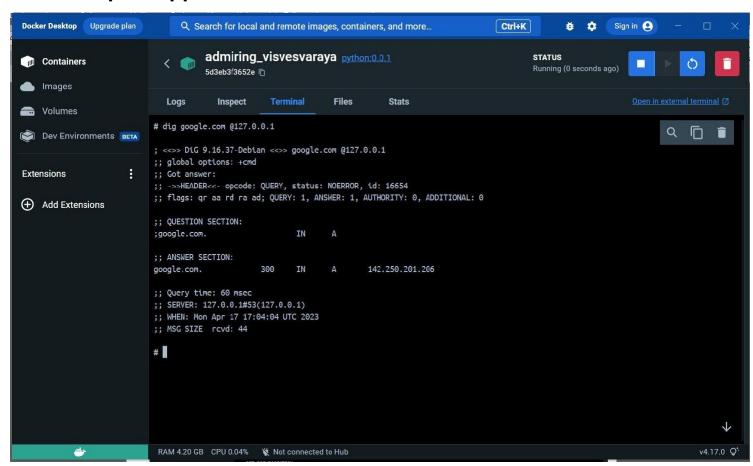
Variant 1

Direct run in Docker container.

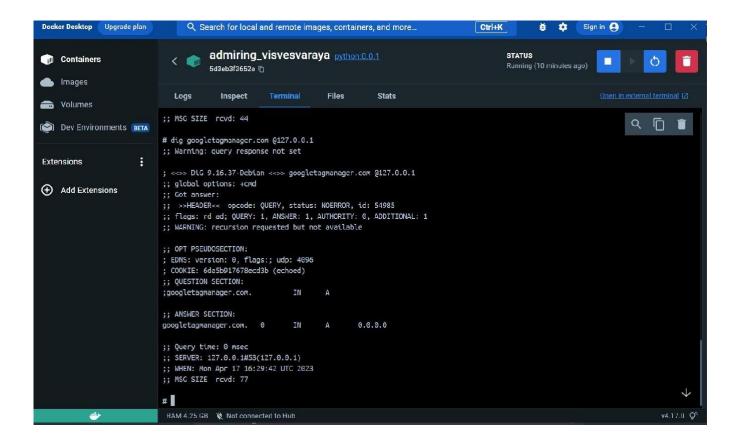
Comanda: docker build -t my-dns-server. (in the same file with dockerfile)

Rulare: docker run --rm my-dns-server

Example supported domain



Example spam domain - BLOCKED



Variant 2

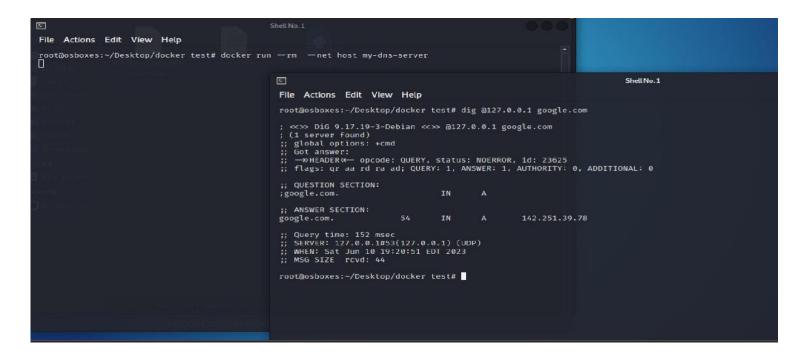
Server opened in docker container and successfully used from local machine (linux)

Comanda creare container: docker build -t my-dns-server.

Comanda Rulare container (in linux): docker run --rm --net host my-dns-server

Example 1: Testing on domain Google.com (non-spam domain)

Used: Dig @127.0.0.1 google.com



Example 2 : testing on domain googletagmanager.com (spam domain – BLOCKED)

```
ShellNo.1

File Actions Edit View Help

root@osboxes:-/Desktop/docker test# docker run --rm --net host my-dns-server

| ShellNo.1

| File Actions Edit View Help
| root@osboxes:-/Desktop/docker test# dig @127.0.0.1 googletagmanager.com
| Warning: query response not set
| warning: query response not set
| warning: global options: *cmd | Googletagmanager.com | Googlet
```

+ output when stopping the server on the container and displaying statistics:

```
;; flags: qr aa rd ra ad; QUERY: 1, ANSWER: 0, AUTHORITY: 0, ADDITIONAL: 0 ;; QUESTION SECTION:
;google.com.
   ANSWER SECTION:
,
google.com. 54 IN A 142.251.39.78
2023-06-10 23:20:51 [DNSHandler:DNSAdBlock] Reply: [127.0.0.1:43983] (udp) / 'google.com.' (A) / RRs:
google.com.
2023-06-10 23:22:58 [DNSHandler:DNSAdBlock] Request: [127.0.0.1:47887] (udp) / 'googletagmanager.com.
Raspuns BLOCAT : ;; —>HEADER— opcode: QUERY, status: NOERROR, id: 64033;; flags: rd ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1;; QUESTION SECTION:
googletagmanager.com.;; ANSWER SECTION:
                                             IN
googletagmanager.com.
;; ADDITIONAL SECTION:
                                                                 0.0.0.0
  OPT PSEUDOSECTION
EDNS: version: 0, flags: ; udp: 1232
EDNS: code: 10; data: 91e961c955223d57
2023-06-10 23:22:58 [DNSHandler:DNSAdBlock] Reply: [127.0.0.1:47887] (udp) / 'googletagmanager.com.'
(A) / RRs: A
Server stopped!
Statistica:
Numarul total de domenii blocate este: 1
Numarul de domenii blocate care contin 'Facebook' este: Ø
Numarul de domenii blocate care contin 'Google' este: 1
```