TRACEBACK | Kaosam

My profile -> https://www.hackthebox.eu/home/users/profile/149676

Port scanning results:

Let's go to port 80:

This site has been owned

I have left a backdoor for all the net. FREE INTERNETZZZ - Xh4H -

The website is actually a page modified by "hackers" who attacked the host. They also say they have left a webshell available for the entire network. If we go to inspect the source, we find this clue:

Searching on Google I tried to search for famous Web Shell names and try to insert them in the url, but I had no positive results. Also, by enumerating with Dirbuster I was unable to enumerate anything useful.

Reading on the Forum, however, I understood that it was necessary to "google" the entire sentence, which referred to a github repo containing web shells:

https://github.com/TheBinitGhimire/Web-Shells

Testing one by one, I finally found this (having written in the address bar http://10.10.10.181/smevk.php):



Credentials are requested. On the first attempt, I entered trying admin / admin.

Trying to move in the shell, I noticed the enormous slowness in carrying out operations, so I uploaded through the integrated Upload function, my webshell.

Initially, considering that nc did not have the -e option available, I ran the following line of code to get the reverse shell:



Moving inside, however, I was unable to upgrade to an interactive TTY, as python is not installed on the machine, and the way to upgrade with netcat did not work.

Browsing the webadmin user's home, however, I found it easier to insert my public key within .ssh / authorized_keys.

In this way, by connecting via ssh, I got the shell:

Using the sudo -l command, we can see the special permission we have, which is to run the luvit program as sysadmin:

```
webadmin@traceback:~$ sudo -l
Matching Defaults entries for webadmin on traceback:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/bin\:/b
n\:/snap/bin
User webadmin may run the following commands on traceback:
    (sysadmin) NOPASSWD: /home/sysadmin/luvit
```

Luvit is a program to execute code written in lua, and always in the home there is a key.lua file, containing a portion of code that allows you to add any public key into the authorized keys of sysadmin.

So, we have to create a .lua file (and inserting our public key):

```
local test = io.open("/home/sysadmin/.ssh/authorized_keys", "a")
test:write("YOUR PUBLIC KEY")
test:close()
```

Running the following command, we can access sysadmin via ssh:

```
sudo -u sysadmin / home / sysadmin / luvit test.lua
```

As a result, the user flag can be printed:

Continuing the privilege escalation, we have to use pspy64 to see the processes in progress:

There is a process regarding the motd (Message of the day), performed by root. It copies from the backups folder inside etc/update-motd.d (default folder).

If we go into /etc/update-motd.d, we notice that we can edit the files, such as the header. Since it will be run as root, it will be sufficient to print our flag (you have to be quick because every 30 seconds the file will be overwritten and therefore our changes will be lost).

Within 00-header, add the following lines of code:

```
FILE="/root/root.txt"
echo "*** File - $FILE contents ***"
cat $FILE
```

In another window of our terminal:

Contact me on Twitter: https://twitter.com/samuelpiatanesi

Find other writeups on my Github repo: https://github.com/Kaosam/HTBWriteups