Hack The Box: Mirai

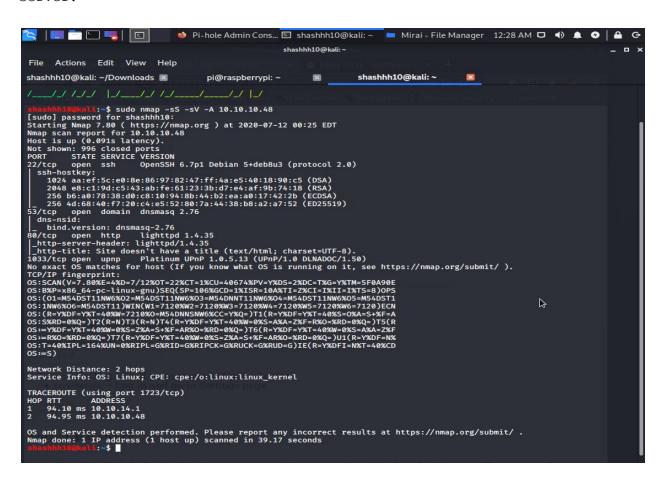
Exploiting a vulnerable linux machine at target IP 10.10.10.48 known as Mirai

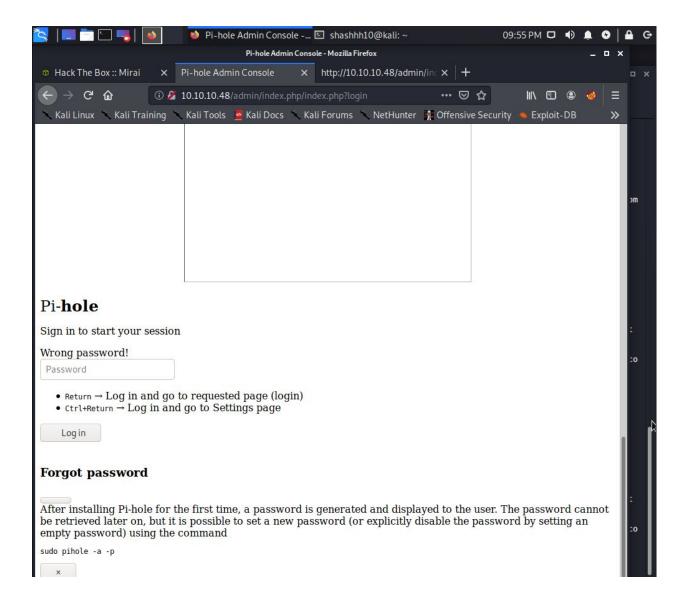
Strategy:

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

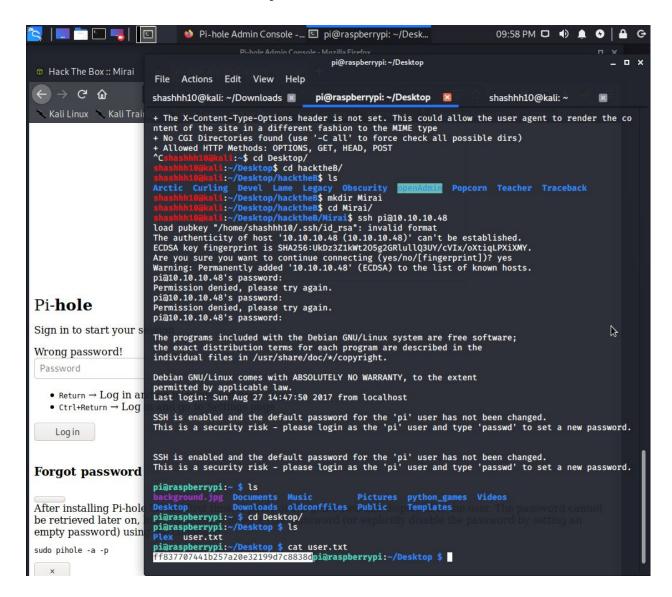
Tactics:

1. Enumeration: Performing a network scan. Using nmap to discover target Ip 10.10.10.48. Scanning it for all the vulnerable and accessible directories with dirb. Nmap scan revealed that port 22 had an ssh port. Port 80 had a website running on it without a title. Using dirb scan got access to the admin directory. The machine was running a Pi-Hole web server.





2. With a little hint, logged into the raspberry pi machine. Through ssh port with password credentials "raspberry". Got access to the machine and exfiltrated the users.txt flag.



3. The root.txt was a bit difficult. After scouring through the system, exfiltrated a dammit.txt file, which revealed that "some files were deleted of the USB stick." This needed some handling and the use of digital forensics. Initially gained access as root to the system with "sudo -1". Using the df command, disk space of all currently mounted file systems revealed the usb stick that was mounted. Used the strings command to print the strings of all printable characters. And exfiltrated the root.txt flag.

