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Weekly Report for Internship

Roll No: TACO19108

Name of the Student: Ojus Jaiswal

Name of the Company: TALAKUNCHINetworks Pvt. Ltd.

Domain of Internship: Cyber Security (Ethical Hacking)

Name of the Internal Guide: Mrs. Nalini Jagtap

Name of the External Guide: Mrs. Poojitha Nandimandalam

Duration of Internship: 2 Months

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Week - VI

Dates: 14 February, 2022 to 20 February, 2022

Description of work done till date:

In sixth week, we were given project no. 4 i.e., System Hacking. In this project we have to use tools like Hydra, Auxiliary Module, NSE Scripts, John the Ripper and Crunch. These tools can be used for brute forcing activities which will give us access to system. Once we gain access, we can use data present in system for our own benefits. That's why testing system is important as these vulnerabilities might be present and can be exploited.

We were first told to attend sessions from LMS which will cover basics regarding the topic. Then after completion of sessions from LMS, live hands-on lecture was conducted in which the instructor showed us practical implementation of project. Then doubt session was conducted for clearing our doubts and to check if we were facing any problem in project execution.

Student Sign

Internal Guide Sign

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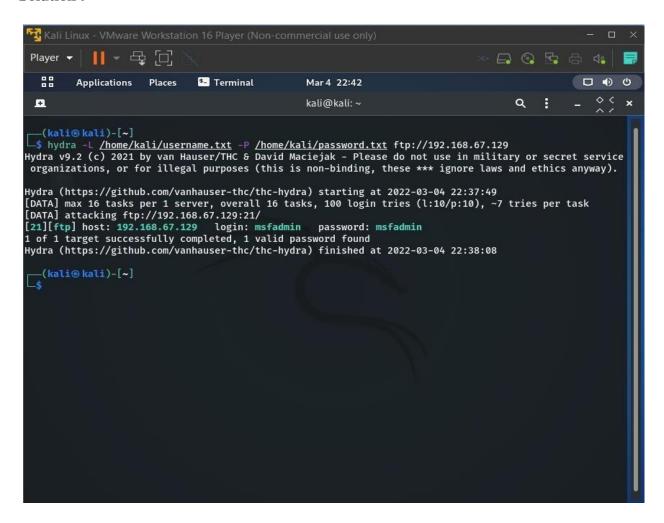
Supporting Documents:

Internship Project 1

System Hacking

Task 1:- Hydra

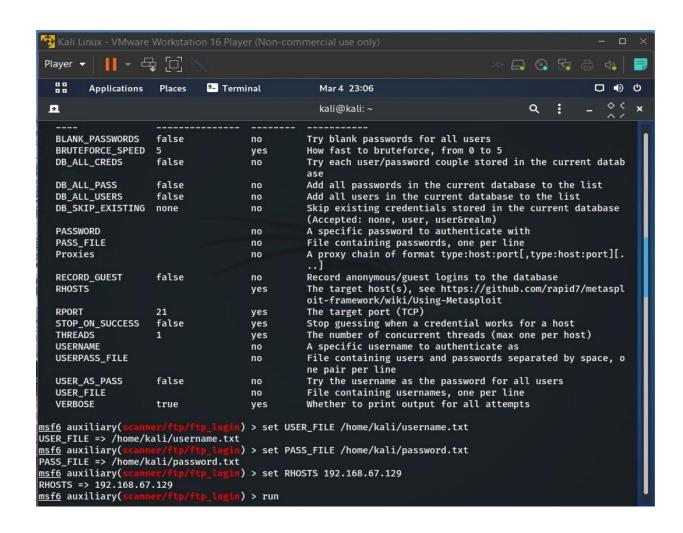
Solution:-



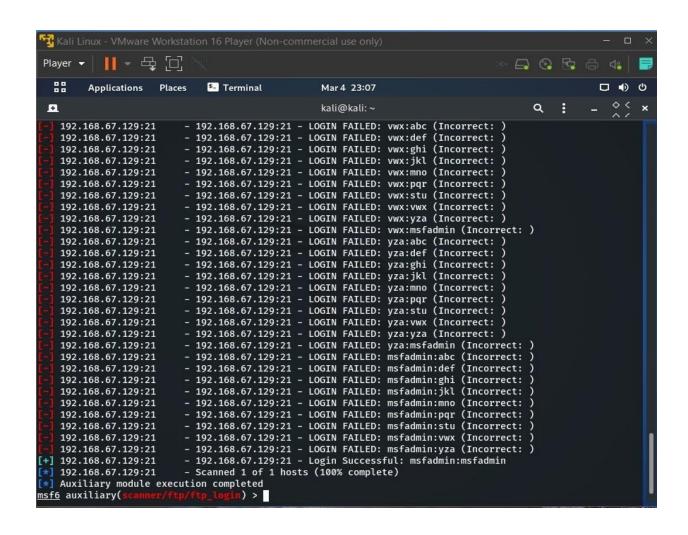
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Task 2:- Auxiliary Module

Solution:



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Task 3:- NSE Scripts

Solution:

```
🚰 Kali Linux - VMware Workstation 16 Player (Non-commercial use only)
  88
                                     *- Terminal
                                                              Mar 4 23:37
                                                                                                                           □ • 0
           Applications
                           Places
                                                  kali@kali: /usr/share/nmap/scripts
                                                                                                            Q :
   •
 -rw-r--r-- 1 root root 4530 Oct 26 12:59
                                                        -anon.nse
                                                        -bounce.nse
 -rw-r--r-- 1 root root 3253 Oct 26 12:59
 -rw-r--r-- 1 root root
                             3108 Oct 26 12:59
                                                        -brute.nse
                                                      n-libopie.nse
 -rw-r--r-- 1 root root 3272 Oct 26 12:59
                                                      tp-proftpd-backdoor.nse
 -rw-r--r-- 1 root root 3290 Oct 26 12:59
 -rw-r--r-- 1 root root
                             3768 Oct 26 12:59
                                                        -syst.nse
                                                      n-vs
 -rw-r--r-- 1 root root
                             6021 Oct 26 12:59
                                                             tpd-backdoor.nse
                                                        -vuln-cve2010-4221.nse
                             5923 Oct 26 12:59
 -rw-r--r-- 1 root root
 -rw-r--r-- 1 root root 5736 Oct 26 12:59 t
                                                         -enum.nse
(kali⊕kali)-[/usr/share/nmap/scripts]
$ nmap --script ftp-brute.nse -p 21 192.168.67.129

Starting Nmap 7.92 ( https://nmap.org ) at 2022-03-04 23:26 IST

NSE: [ftp-brute] usernames: Time limit 10m00s exceeded.

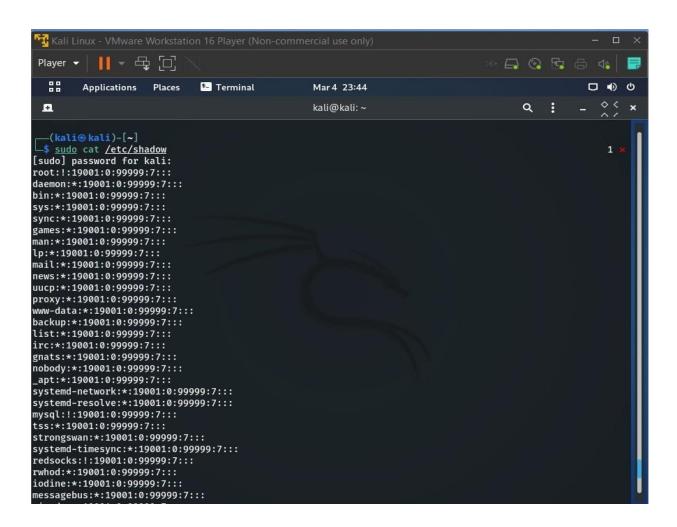
NSE: [ftp-brute] passwords: Time limit 10m00s exceeded.

NSE: [ftp-brute] passwords: Time limit 10m00s exceeded.
   _(<mark>kali®kali</mark>)-[/usr/share/nmap/scripts]
Nmap scan report for 192.168.67.129
Host is up (0.015s latency).
PORT STATE SERVICE
21/tcp open ftp
 | ftp-brute:
     Accounts:
       user:user - Valid credentials
     Statistics: Performed 3728 guesses in 602 seconds, average tps: 6.1
Nmap done: 1 IP address (1 host up) scanned in 601.89 seconds
    -(kali®kali)-[/usr/share/nmap/scripts]
```

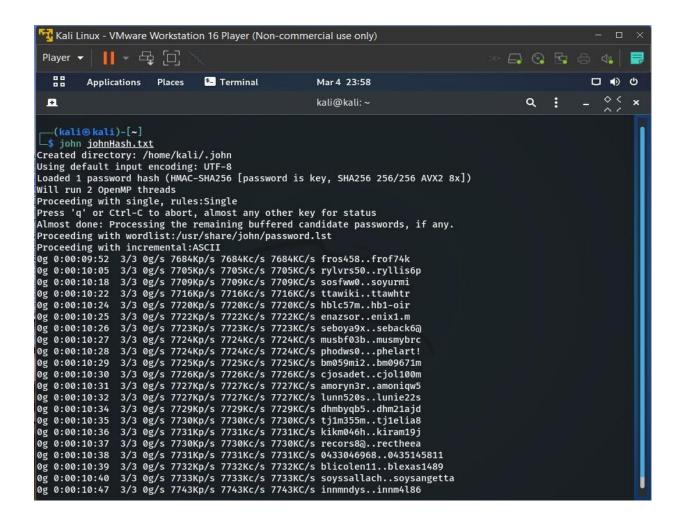
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Task 4:- John the ripper

Solution:-



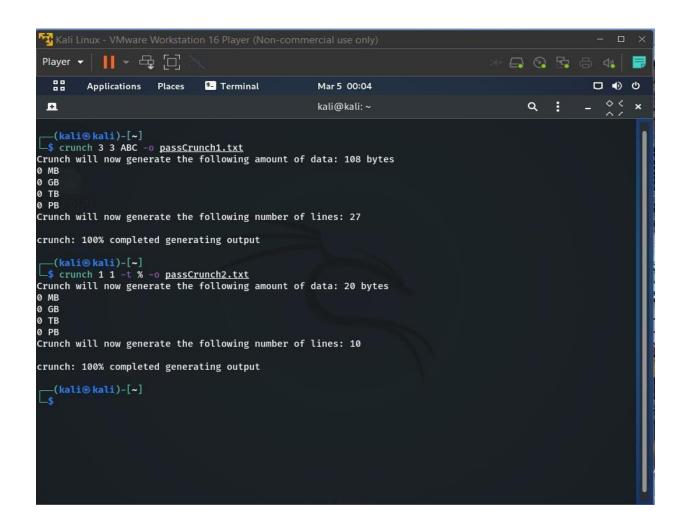
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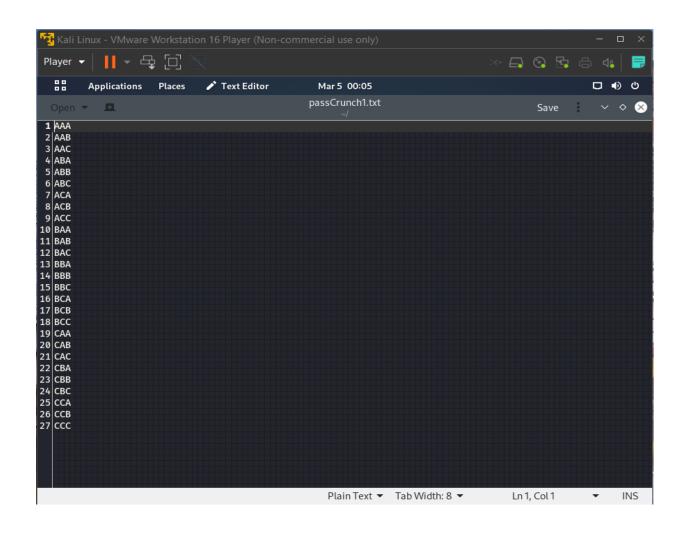
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Task 5:- Password generating using Crunch

Solution:-



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