Project 0. Setting Up Virtual Machines

Set up the following:

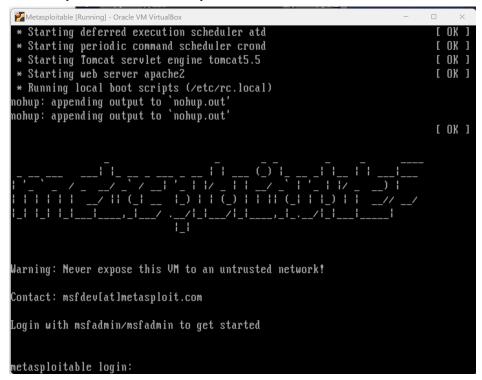
- VirtualBox: https://www.virtualbox.org//wiki/Downloads
- pfSense: https://www.pfsense.org/download/
- Metasploitable: https://sourceforge.net/projects/metasploitable/
- Kali Linux:

https://www.offensive-security.com/kali-linux-vmvmware-virtualbox-image-download

PFSense Set Up:

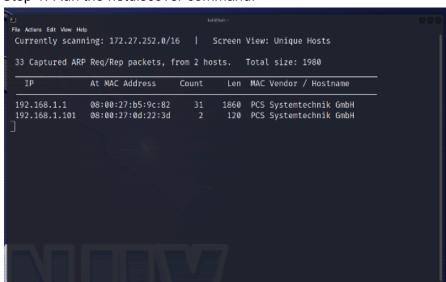
```
FPSense [Running] - Oracle VM VirtualBox
Starting syslog...done.
Starting CRON... done.
pfSense 2.7.0-RELEASE amd64 Wed Jun 28 03:53:34 UTC 2023
Bootup complete
FreeBSD/amd64 (pfSense.home.arpa) (ttyv0)
VirtualBox Virtual Machine – Netgate Device ID: 2c6561c3267b83b9859d
*** Welcome to pfSense 2.7.0-RELEASE (amd64) on pfSense ***
WAN (wan)
                 -> em0
                               -> v4/DHCP4: 136.227.103.69/21
LAN (lan)
                 -> em1
                               -> v4: 192.168.1.1/24
0) Logout (SSH only)
                                       9) pfTop
1) Assign Interfaces
                                      10) Filter Logs
2) Set interface(s) IP address
                                      11) Restart webConfigurator
3) Reset webConfigurator password 12) PHP shell + pfSense tools
4) Reset to factory defaults
                                      13) Update from console
                                      14) Enable Secure Shell (sshd)
5) Reboot system
6) Halt system
                                      15) Restore recent configuration
                                      16) Restart PHP-FPM
7) Ping host
8) Shell
Enter an option: S
```

Metasploitabe Set Up:

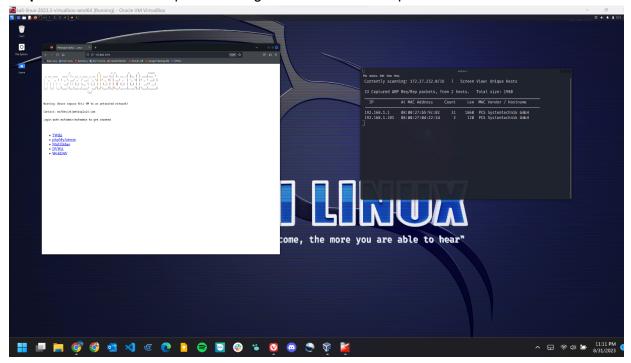


Kali Linux Set Up & Connected to Metasloitable through pfSense:

Step 1: Run the netdiscover command.



Step 2: Connect to Metaspoitabe using the known user and password hack.



Step 3: Communicate through FTP and run commands to confirm a connection.

