PROJECT : 4

DATE : 04-10-2021

TOPIC : Port scanning and vulnerability scanning.

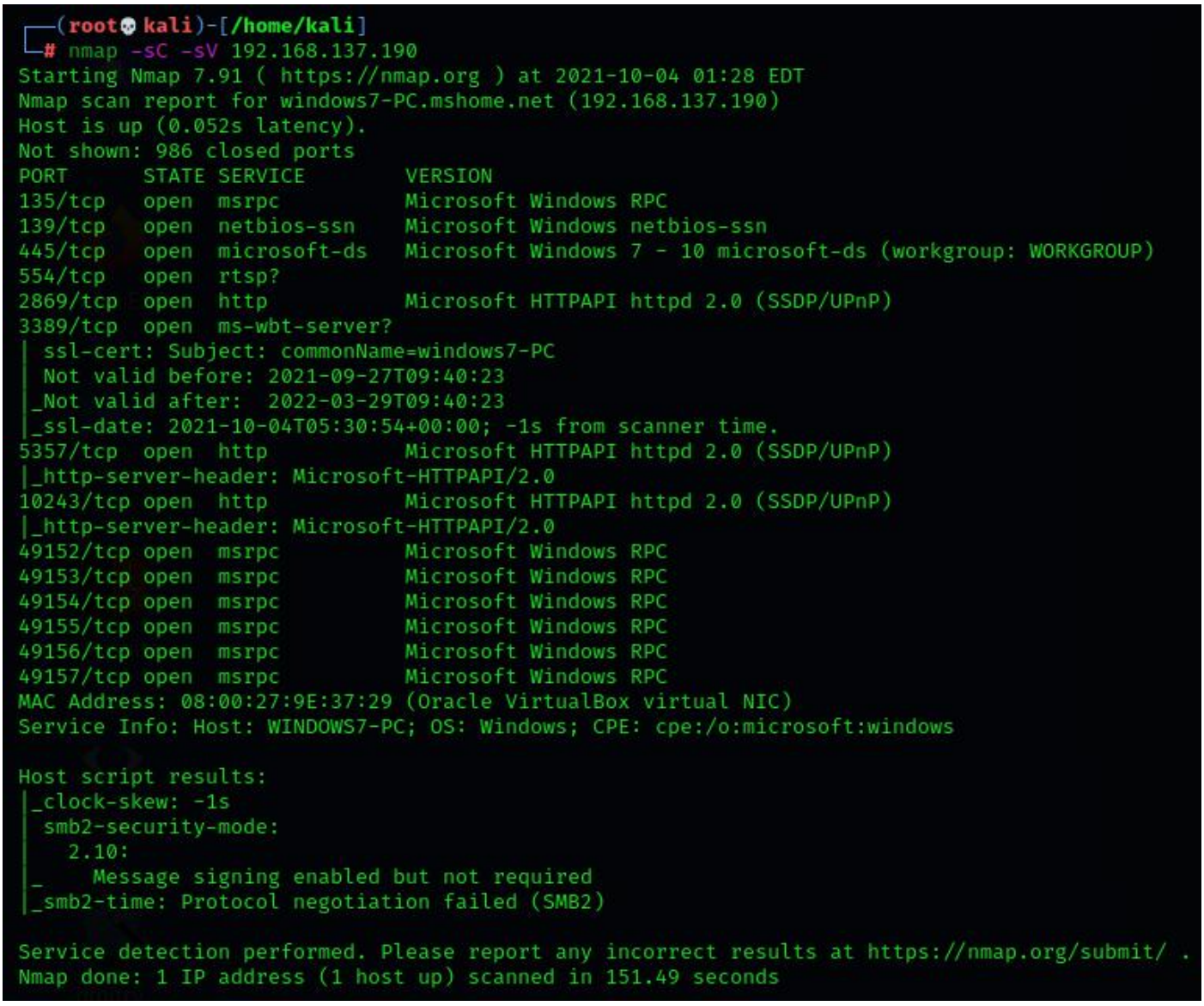
Attacker IP:-192.168.137.55

Victim1 IP:-192.168.137.190 (Windows 7)

Victim2 IP:-192.168.137.161(Metasploitable)

Victim1:-

Nmap scan:-



Nessus Scan:-

192.168.137.190

3	2	11	1	36
CRITICAL	HIGH	MEDIUM	LOW	INFO

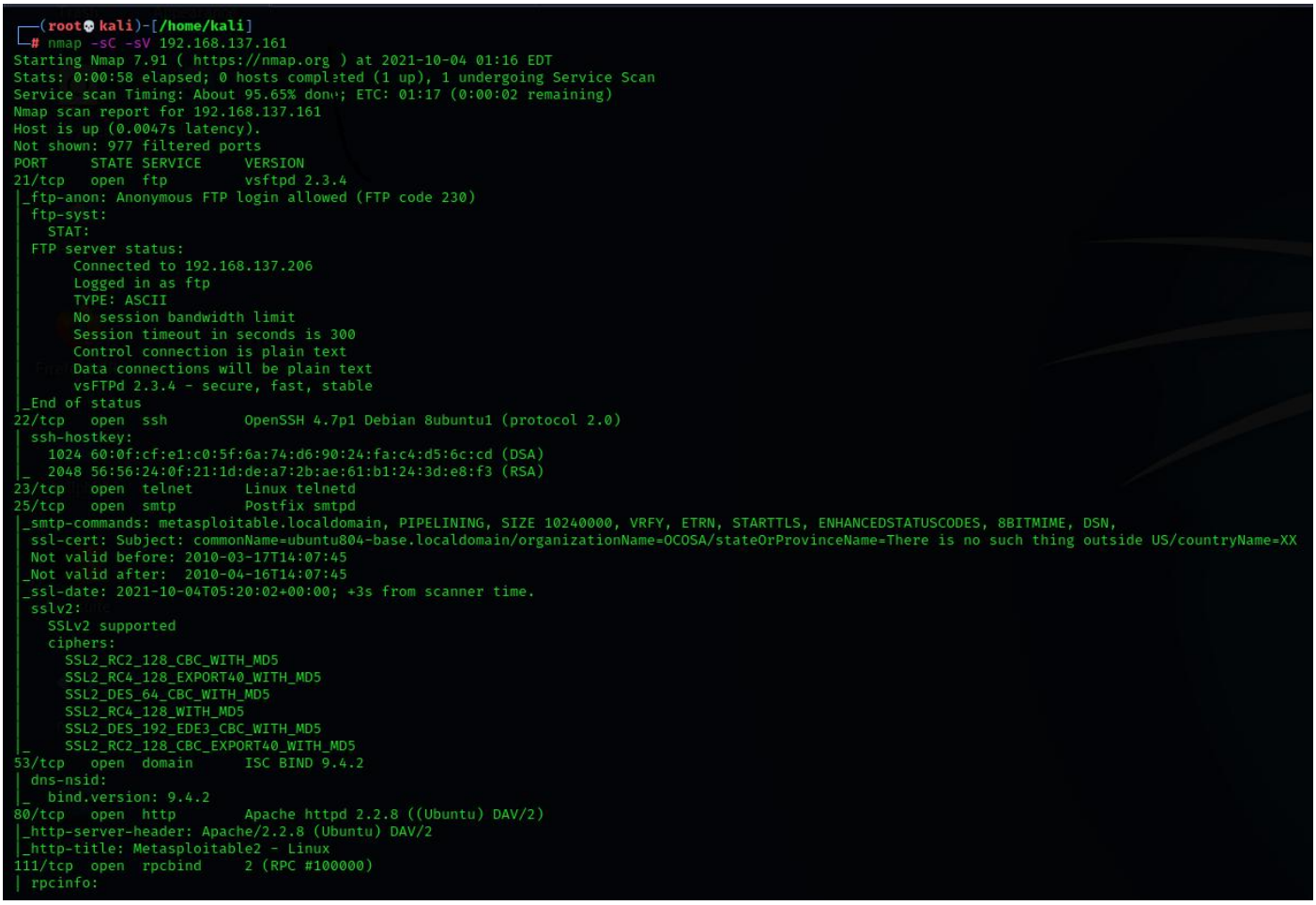
Vulnerabilities Total: 53

SEVERITY	CVSS V3.0	PLUGIN	NAME
CRITICAL	10.0	79638	MS14-066: Vulnerability in Schannel Could Allow Remote Code Execution (2992611) (uncredentialed check)
CRITICAL	10.0	125313	Microsoft RDP RCE (CVE-2019-0708) (BlueKeep) (uncredentialed check)
CRITICAL	10.0	108797	Unsupported Windows OS (remote)
HIGH	9.3	58435	MS12-020: Vulnerabilities in Remote Desktop Could Allow Remote Code Execution (2671387) (uncredentialed check)
HIGH	9.3	97833	MS17-010: Security Update for Microsoft Windows SMB Server (4013389) (ETERNALBLUE) (ETERNALCHAMPION) (ETERNALROMANCE) (ETERNALSYNERGY) (WannaCry) (EternalRocks) (Petya) (uncredentialed check)
MEDIUM	6.4	51192	SSL Certificate Cannot Be Trusted
MEDIUM	6.4	57582	SSL Self-Signed Certificate
MEDIUM	6.1	104743	TLS Version 1.0 Protocol Detection
MEDIUM	5.8	90510	MS16-047: Security Update for SAM and LSAD Remote Protocols (3148527) (Badlock) (uncredentialed check)
MEDIUM	5.1	18405	Microsoft Windows Remote Desktop Protocol Server Man-in-the-Middle Weakness
MEDIUM	5.1	18405	Microsoft Windows Remote Desktop Protocol Server Man-in-the-Middle Weakness
MEDIUM	5.0	57608	SMB Signing not required
MEDIUM	5.0	35291	SSL Certificate Signed Using Weak Hashing Algorithm
MEDIUM	5.0	42873	SSL Medium Strength Cipher Suites Supported (SWEET32)
MEDIUM	4.3	65821	SSL RC4 Cipher Suites Supported (Bar Mitzvah)
MEDIUM	4.3	58453	Terminal Services Doesn't Use Network Level Authentication (NLA) Only

MEDIUM	4.3	57690	Terminal Services Encryption Level is Medium or Low
LOW	2.6	30218	Terminal Services Encryption Level is not FIPS-140 Compliant

Victim2:-

Nmap scan:-



```
| rpcinfo:
|   program version    port/proto  service
|   100000  2            111/tcp   rpcbind
|   100000  2            111/udp   rpcbind
|   100003  2,3,4       2049/tcp   nfs
|   100003  2,3,4       2049/udp   nfs
|   100005  1,2,3      46743/udp   mountd
|   100005  1,2,3      50460/tcp   mountd
|   100021  1,3,4      41719/udp   nlockmgr
|   100021  1,3,4      54020/tcp   nlockmgr
|   100024  1          49756/udp   status
|_  100024  1          52872/tcp   status
139/tcp  open  netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
445/tcp  open  netbios-ssn Samba smbd 3.0.20-Debian (workgroup: WORKGROUP)
512/tcp  open  exec?
513/tcp  open  login?
514/tcp  open  tcpwrapped
1099/tcp open  java-rmi    GNU Classpath grmiregistry
1524/tcp open  bindshell   Metasploitable root shell
2049/tcp open  nfs         2-4 (RPC #100003)
2121/tcp open  ftp         ProFTPD 1.3.1
3306/tcp open  mysql       MySQL 5.0.51a-3ubuntu5
| mysql-info:
|   Protocol: 10
|   Version: 5.0.51a-3ubuntu5
|   Thread ID: 11
|   Capabilities flags: 43564
|   Some Capabilities: SupportsCompression, SupportsTransactions, SwitchToSSLAfterHandshake, ConnectWithDatabase, LongColumnFlag, Speaks41ProtocolNew, Support41Auth
|   Status: Autocommit
|_  Salt: pe*AH%!q;pFI}Z)]zm6c
5432/tcp open  postgresql  PostgreSQL DB 8.3.0 - 8.3.7
| ssl-cert: Subject: commonName=ubuntu804-base.localdomain/organizationName=OCOSA/stateOrProvinceName=There is no such thing outside US/countryName=XX
| Not valid before: 2010-03-17T14:07:45
|_Not valid after:  2010-04-16T14:07:45
|_ssl-date: 2021-10-04T05:20:01+00:00; +3s from scanner time.
5900/tcp open  vnc         VNC (protocol 3.3)
| vnc-info:
|   Protocol version: 3.3
|   Security types:
|_    VNC Authentication (2)
6000/tcp open  X11         (access denied)
6667/tcp open  irc         UnrealIRCd
| irc-info:
|   users: 1
|   servers: 1
|   lusers: 1
|   lservers: 0
|   server: irc.Metasploitable.LAN
|   version: Unreal3.2.8.1. irc.Metasploitable.LAN
|   uptime: 0 days, 0:05:41
|   source ident: nmap
```

```
|_tls-nextprotoneg: ERROR: Script execution failed (use -d to debug)
5432/tcp open  postgresql  PostgreSQL DB 8.3.0 - 8.3.7
| ssl-cert: Subject: commonName=ubuntu804-base.localdomain/organizationName=OCOSA/stateOrProvinceName=There is no such thing outside US/countryName=XX
| Not valid before: 2010-03-17T14:07:45
|_Not valid after:  2010-04-16T14:07:45
|_ssl-date: 2021-10-04T06:27:49+00:00; -3h16m08s from scanner time.
5900/tcp open  vnc         VNC (protocol 3.3)
| vnc-info:
|   Protocol version: 3.3
|   Security types:
|_    VNC Authentication (2)
6000/tcp open  X11         (access denied)
6667/tcp open  irc         UnrealIRCd
| irc-info:
|   users: 1
|   servers: 1
|   lusers: 1
|   lservers: 0
|   server: irc.Metasploitable.LAN
|   version: Unreal3.2.8.1. irc.Metasploitable.LAN
|   uptime: 0 days, 1:13:03
|   source ident: nmap
|   source host: 54DA3780.54E41161.FFFA6D49.IP
|_  error: Closing Link: poubgfcpv[192.168.137.55] (Quit: poubgfcpv)
8009/tcp open  ajp13       Apache Jserv (Protocol v1.3)
|_ajp-methods: Failed to get a valid response for the OPTION request
8180/tcp open  http        Apache Tomcat/Coyote JSP engine 1.1
|_http-favicon: Apache Tomcat
|_http-title: Apache Tomcat/5.5
MAC Address: 08:00:27:0E:9F:B6 (Oracle VirtualBox virtual NIC)
Service Info: Hosts:  metasploitable.localdomain, irc.Metasploitable.LAN; OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel

Host script results:
|_clock-skew: mean: -1h56m07s, deviation: 2h18m34s, median: -3h16m08s
|_nbstat: NetBIOS name: METASPLOITABLE, NetBIOS user: <unknown>, NetBIOS MAC: <unknown> (unknown)
| smb-os-discovery:
|   OS: Unix (Samba 3.0.20-Debian)
|   Computer name: metasploitable
|   NetBIOS computer name:
|   Domain name: localdomain
|   FQDN: metasploitable.localdomain
|_  System time: 2021-10-04T02:26:33-04:00
| smb-security-mode:
|   account_used: <blank>
|   authentication_level: user
|   challenge_response: supported
|_  message_signing: disabled (dangerous, but default)
|_smb2-time: Protocol negotiation failed (SMB2)

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 143.24 seconds
```

Nessus scan:-

192.168.137.161

8	6	18	3	75
CRITICAL	HIGH	MEDIUM	LOW	INFO

Vulnerabilities Total: 110

SEVERITY	CVSS V3.0	PLUGIN	NAME
CRITICAL	10.0	51988	Bind Shell Backdoor Detection
CRITICAL	10.0	32314	Debian OpenSSH/OpenSSL Package Random Number Generator Weakness
CRITICAL	10.0	32321	Debian OpenSSH/OpenSSL Package Random Number Generator Weakness (SSL check)
CRITICAL	10.0	11356	NFS Exported Share Information Disclosure
CRITICAL	10.0	33850	Unix Operating System Unsupported Version Detection
CRITICAL	10.0	46882	UnrealIRCd Backdoor Detection
CRITICAL	10.0	61708	VNC Server 'password' Password
CRITICAL	10.0	10203	rexecd Service Detection
HIGH	7.8	136808	ISC BIND Denial of Service
HIGH	7.5	134862	Apache Tomcat AJP Connector Request Injection (Ghostcat)
HIGH	7.5	34460	Unsupported Web Server Detection

HIGH	7.5	34460	Unsupported Web Server Detection
HIGH	7.5	10205	rlogin Service Detection
HIGH	7.5	10245	rsh Service Detection
HIGH	7.1	20007	SSL Version 2 and 3 Protocol Detection
MEDIUM	6.8	90509	Samba Badlock Vulnerability
MEDIUM	6.4	51192	SSL Certificate Cannot Be Trusted
MEDIUM	6.4	57582	SSL Self-Signed Certificate
MEDIUM	6.1	104743	TLS Version 1.0 Protocol Detection

MEDIUM	5.8	42263	Unencrypted Telnet Server
MEDIUM	5.0	12085	Apache Tomcat Default Files
MEDIUM	5.0	12217	DNS Server Cache Snooping Remote Information Disclosure
MEDIUM	5.0	11213	HTTP TRACE / TRACK Methods Allowed
MEDIUM	5.0	136769	ISC BIND Service Downgrade / Reflected DoS
MEDIUM	5.0	42256	NFS Shares World Readable
MEDIUM	5.0	57608	SMB Signing not required
MEDIUM	5.0	15901	SSL Certificate Expiry

MEDIUM	5.0	15901	SSL Certificate Expiry
MEDIUM	5.0	45411	SSL Certificate with Wrong Hostname
MEDIUM	5.0	42873	SSL Medium Strength Cipher Suites Supported (SWEET32)
MEDIUM	4.3	90317	SSH Weak Algorithms Supported
MEDIUM	4.3	65821	SSL RC4 Cipher Suites Supported (Bar Mitzvah)
MEDIUM	4.3	78479	SSLv3 Padding Oracle On Downgraded Legacy Encryption Vulnerability (POODLE)
MEDIUM	4.0	139915	ISC BIND 9.x < 9.11.22, 9.12.x < 9.16.6, 9.17.x < 9.17.4 DoS
LOW	2.6	70658	SSH Server CBC Mode Ciphers Enabled
LOW	2.6	71049	SSH Weak MAC Algorithms Enabled
LOW	2.6	10407	X Server Detection
INFO	N/A	10114	ICMP Timestamp Request Remote Date Disclosure
INFO	N/A	10223	RPC portmapper Service Detection
INFO	N/A	21186	AJP Connector Detection
INFO	N/A	18261	Apache Banner Linux Distribution Disclosure
INFO	N/A	48204	Apache HTTP Server Version
INFO	N/A	39446	Apache Tomcat Detection
INFO	N/A	39519	Backported Security Patch Detection (FTP)
INFO	N/A	84574	Backported Security Patch Detection (PHP)