

Creating an IT Asset Inventory (3e)

Managing Risk in Information Systems, Third Edition - Lab 05

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Time on Task:

2 hours, 40 minutes

Progress:

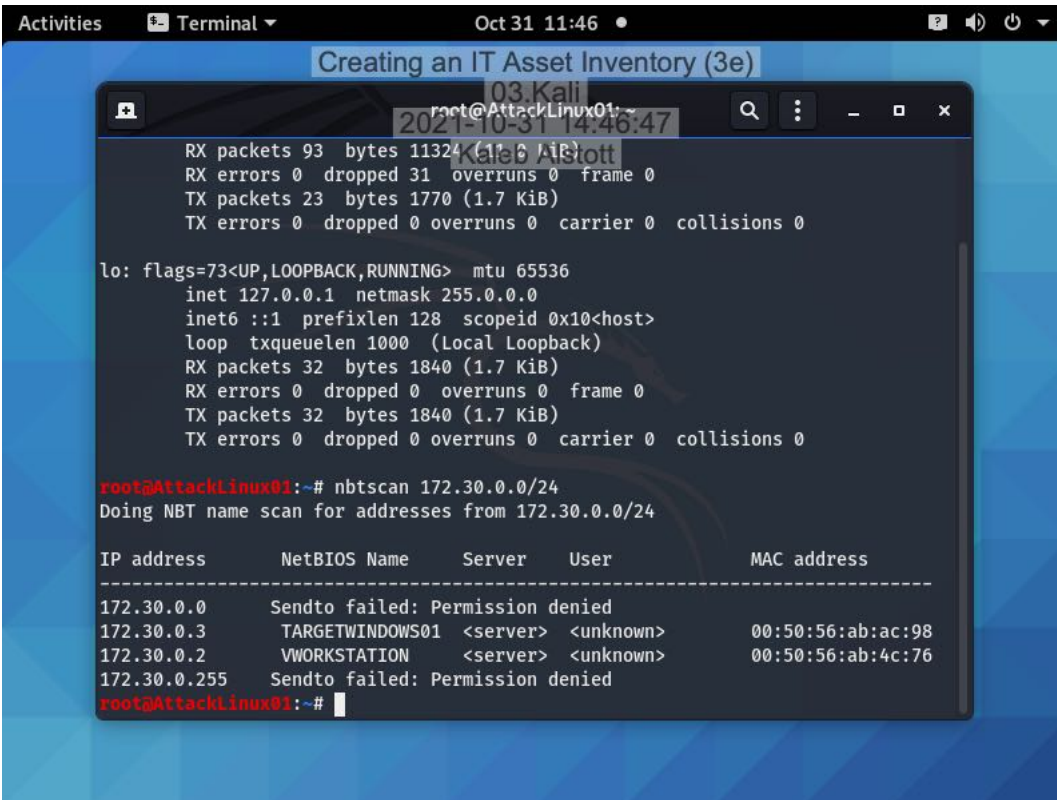
100%

Report Generated: Sunday, October 31, 2021 at 5:03 PM

Guided Exercises

Part 1: Use Nbtscan and Nmap to Discover Computers

7. Make a screen capture showing the **nbtscan** results.



The screenshot shows a Kali Linux terminal window with the title "Creating an IT Asset Inventory (3e)". The terminal displays network statistics for the loopback interface 'lo' and the results of an nbtscan command. The nbtscan command was run on the 172.30.0.0/24 network. The results show three IP addresses: 172.30.0.0, 172.30.0.3, and 172.30.0.255. The first and last addresses show "Sendto failed: Permission denied", while the middle address (172.30.0.3) shows "TARGETWINDOWS01" as the NetBIOS name, "<server>" as the server type, and "<unknown>" as the user. The MAC address for all three is 00:50:56:ab:ac:98.

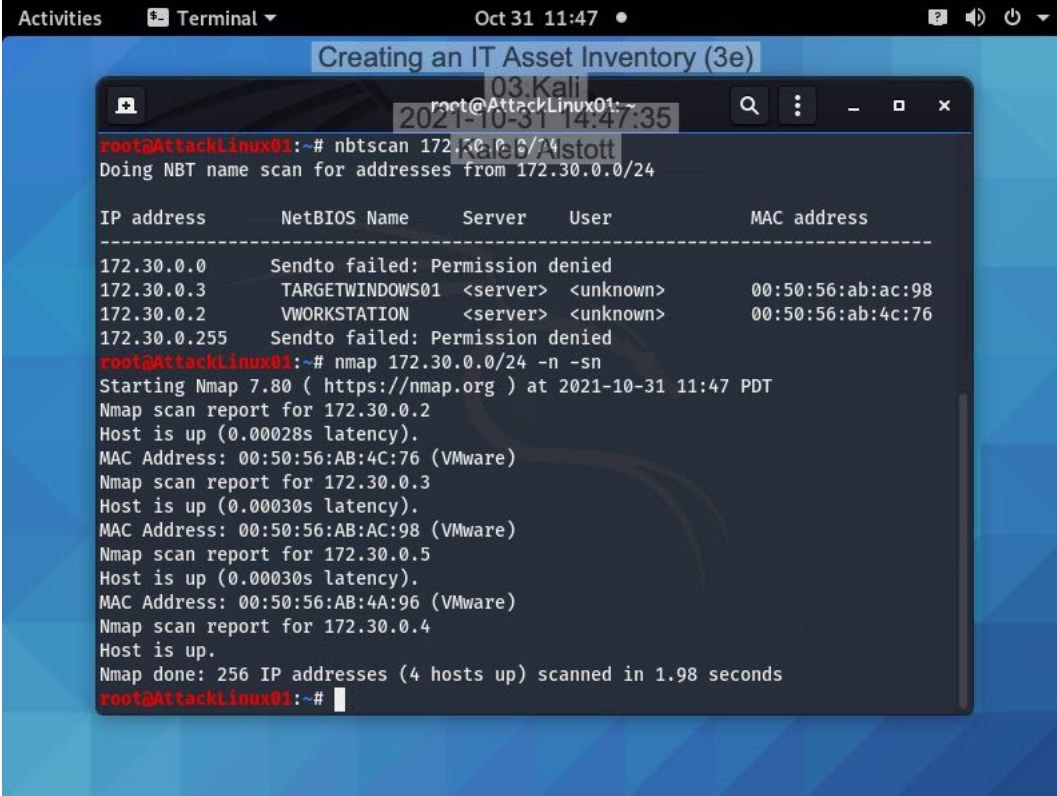
```
Oct 31 11:46
Activities Terminal
Creating an IT Asset Inventory (3e)
root@AttackLinux01:~#
RX packets 93 bytes 11324 (11.3 KiB)
RX errors 0 dropped 31 overruns 0 frame 0
TX packets 23 bytes 1770 (1.7 KiB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 32 bytes 1840 (1.7 KiB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 32 bytes 1840 (1.7 KiB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@AttackLinux01:~# nbtscan 172.30.0.0/24
Doing NBT name scan for addresses from 172.30.0.0/24

IP address      NetBIOS Name    Server  User      MAC address
-----
172.30.0.0      Sendto failed: Permission denied
172.30.0.3      TARGETWINDOWS01 <server> <unknown> 00:50:56:ab:ac:98
172.30.0.2      VWORKSTATION    <server> <unknown> 00:50:56:ab:4c:76
172.30.0.255    Sendto failed: Permission denied
root@AttackLinux01:~#
```

9. **Make a screen capture** showing the **Nmap results**.



```
root@AttackLinux01:~# nbtscan 172.30.0.0/24
Doing NBT name scan for addresses from 172.30.0.0/24

IP address      NetBIOS Name    Server    User      MAC address
-----
172.30.0.0       Sendto failed:  Permission denied
172.30.0.3       TARGETWINDOWS01 <server>  <unknown> 00:50:56:ab:ac:98
172.30.0.2       VWORKSTATION    <server>  <unknown> 00:50:56:ab:4c:76
172.30.0.255     Sendto failed:  Permission denied

root@AttackLinux01:~# nmap 172.30.0.0/24 -n -sn
Starting Nmap 7.80 ( https://nmap.org ) at 2021-10-31 11:47 PDT
Nmap scan report for 172.30.0.2
Host is up (0.00028s latency).
MAC Address: 00:50:56:AB:4C:76 (VMware)
Nmap scan report for 172.30.0.3
Host is up (0.00030s latency).
MAC Address: 00:50:56:AB:AC:98 (VMware)
Nmap scan report for 172.30.0.5
Host is up (0.00030s latency).
MAC Address: 00:50:56:AB:4A:96 (VMware)
Nmap scan report for 172.30.0.4
Host is up.
Nmap done: 256 IP addresses (4 hosts up) scanned in 1.98 seconds
root@AttackLinux01:~#
```

11. **Record** the OS Details or top five aggressive guesses for each host.

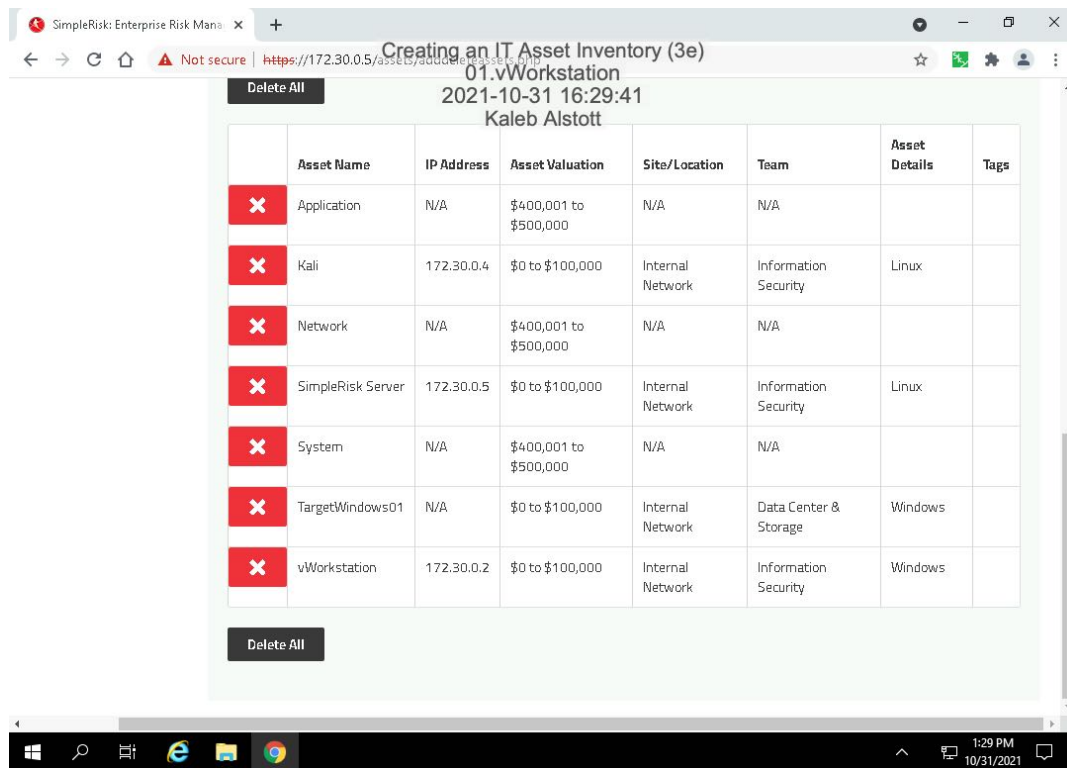
172.30.0.2 - MS Windows Longhorn, MS Windows Server 2012, MS Windows Vista SP1, , MS Windows Server 2016 build 10586 - 14393, MS Windows 7. 172.30.0.3 - MS Windows 2016 build, MS Windows 2016 build 10586 - 14393, MS Windows Server 2012 R2 Update 1, MS Windows 7, MS windows server 2012, 172.30.0.4 - Linux 2.6.X 172.30.0.5 - Linux 2.6.32, Linux 3.2 - 4.9, Linux 2.6.32 - 3.10, Linux 3.4 - 3.10, Linux 3.1

Part 2: Use SimpleRisk to Document IT Assets

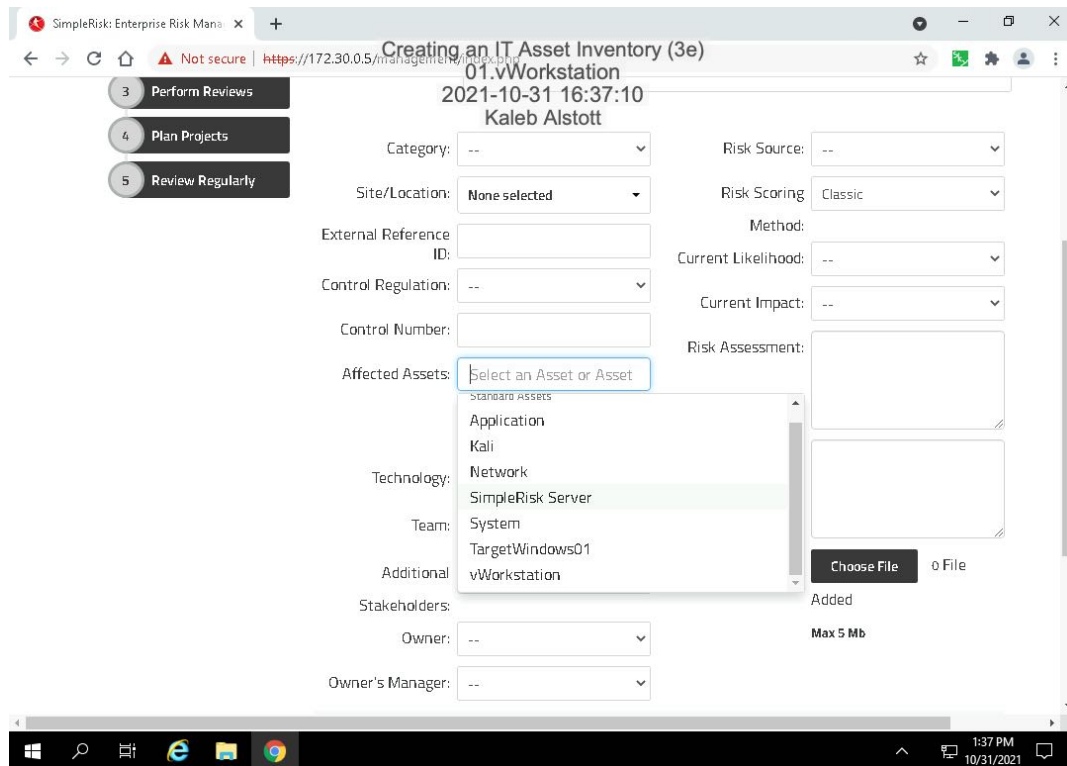
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20. Make a screen capture showing the **updated Verified Assets list**.



23. Make a screen capture showing the **Affected Assets list**.

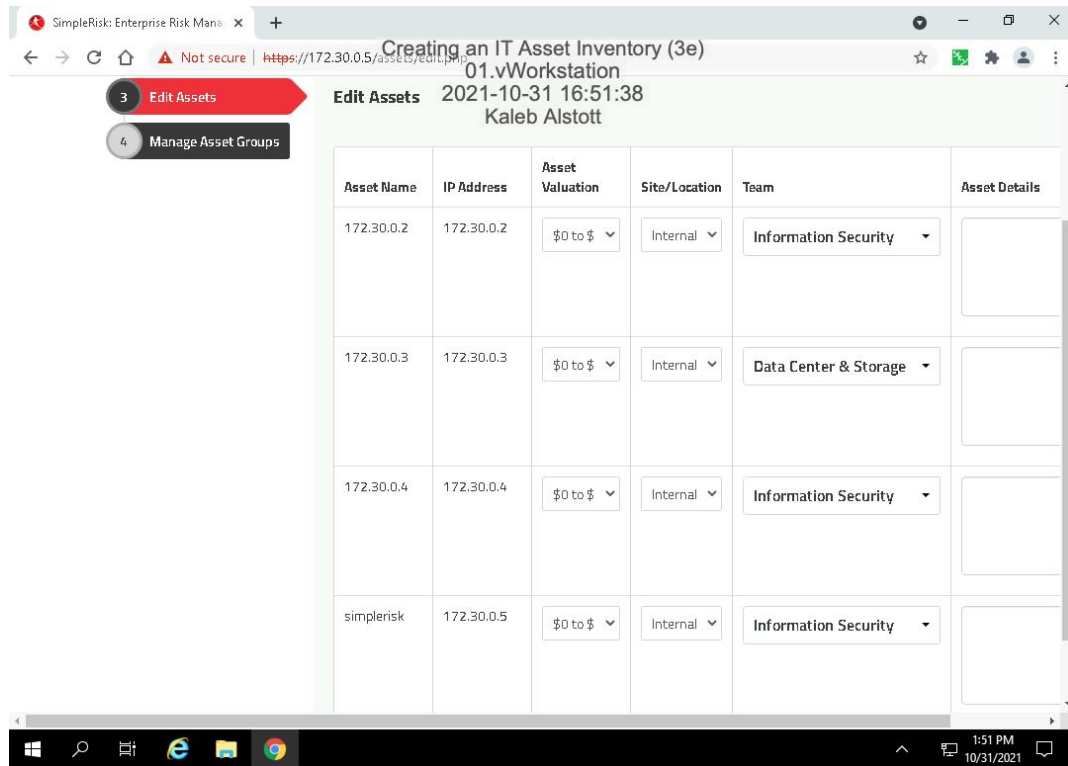


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Part 3: Use SimpleRisk to Perform Automated Discovery

8. Make a screen capture showing the updated Edit Assets page.



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Challenge Exercise

Make a screen capture showing the **complete list of verified assets**.

The screenshot shows a web browser window with the SimpleRisk Enterprise Risk Management interface. The browser's address bar displays the URL <https://172.30.0.5/assets/addnewasset.php>. The page title is "Creating an IT Asset Inventory (3e)". The user is logged in as "01.vWorkstation" on "2021-10-31 17:02:19" with the name "Kaleb Alstott".

The main section is titled "Verified Assets" and contains a "Delete All" button. Below this is a table listing the verified assets:

	Asset Name	IP Address	Asset Valuation	Site/Location	Team	Asset Details	Tags
	File Server	192.168.1.2	\$0 to \$100,000	Server Room	Data Center & Storage	Windows Server 2016	
	Layer 3 Switch	192.168.1.231	\$0 to \$100,000	Server Room	Network	Cisco IOS	
	Teleconference Device	192.168.1.230	\$0 to \$100,000	Conference Room	Collaboration	Embedded Linux	
	User Computer 1	192.168.1.20	\$0 to \$100,000	Office Area	Business Unit	Windows 10	
	User Computer 2	192.168.1.21	\$0 to \$100,000	Office Area	Business Unit	Windows 10	

Below the table is another "Delete All" button.