Creating an IT Asset Inventory (3e)

Managing Risk in Information Systems, Third Edition - Lab 05

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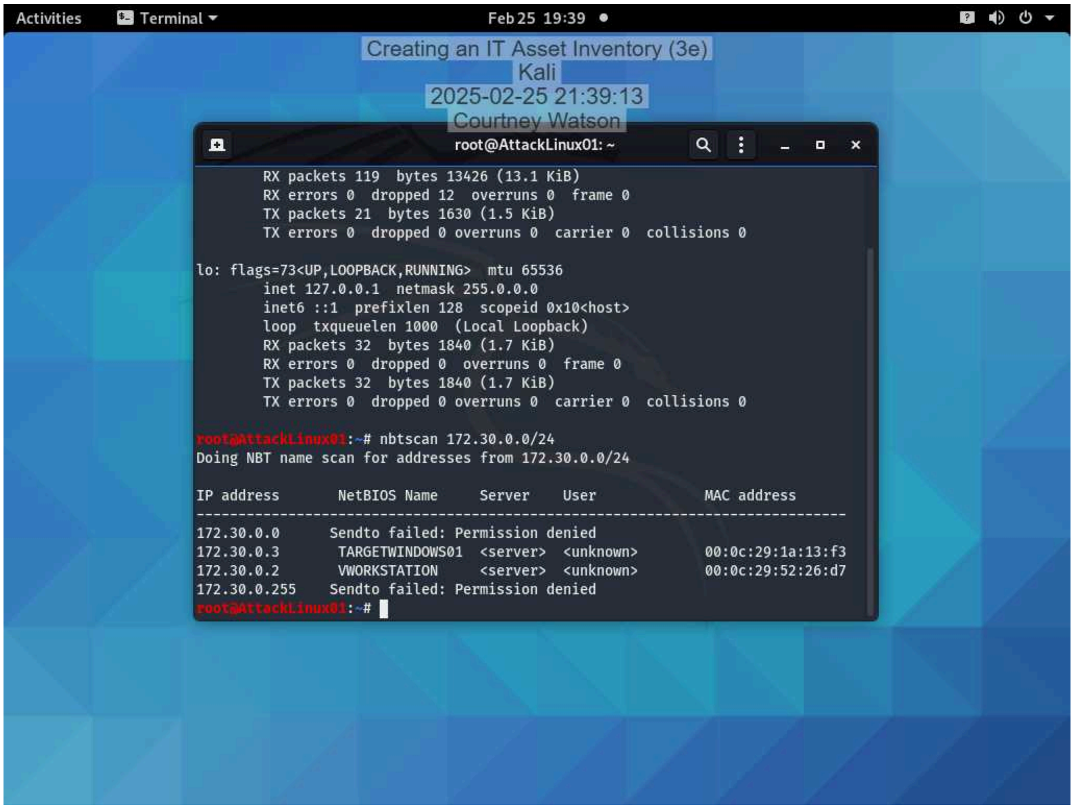
Time on Task: 5 hours, 48 minutes	Progress: 100%

Report Generated: Tuesday, February 25, 2025 at 11:30 PM

Guided Exercises

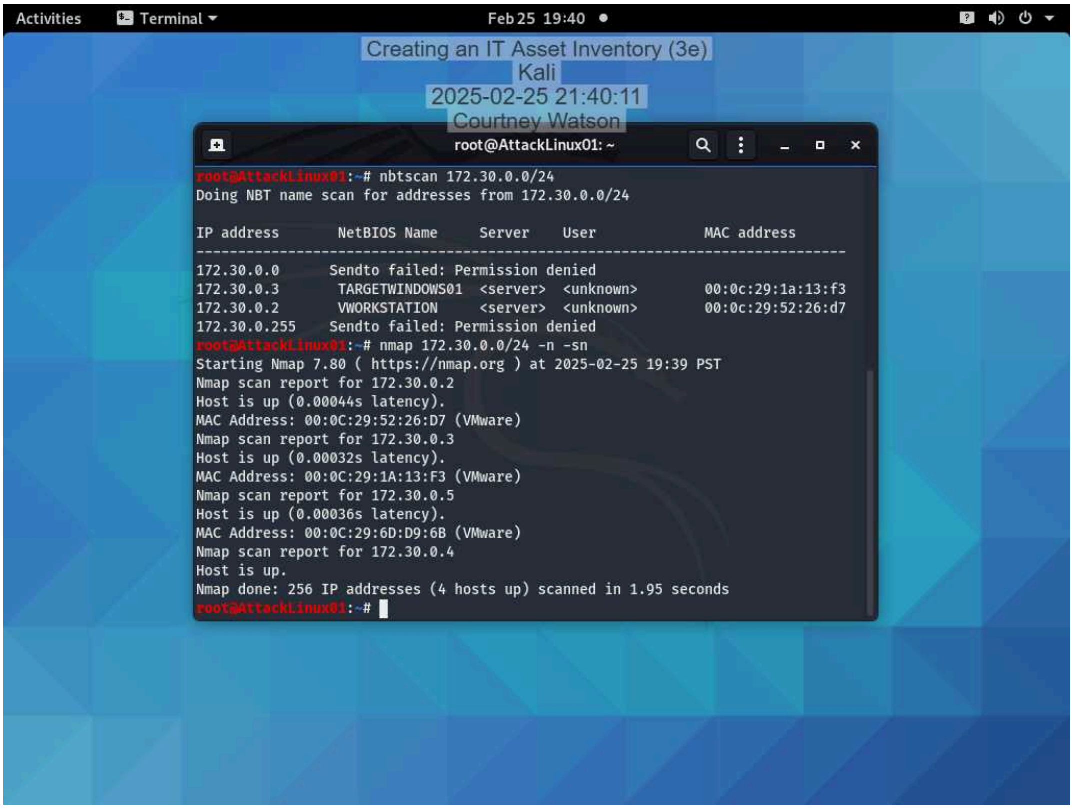
Part 1: Use Nbtscan and Nmap to Discover Computers

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



```
        RX packets 119  bytes 13426 (13.1 KiB)
        RX errors 0  dropped 12  overruns 0  frame 0
        TX packets 21  bytes 1630 (1.5 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>        00:0c:29:1a:13:f3
172.30.0.2       VWORKSTATION     <server>  <unknown>        00:0c:29:52:26:d7
172.30.0.255    Sendto failed: Permission denied
root@AttackLinux01:~# 
```

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



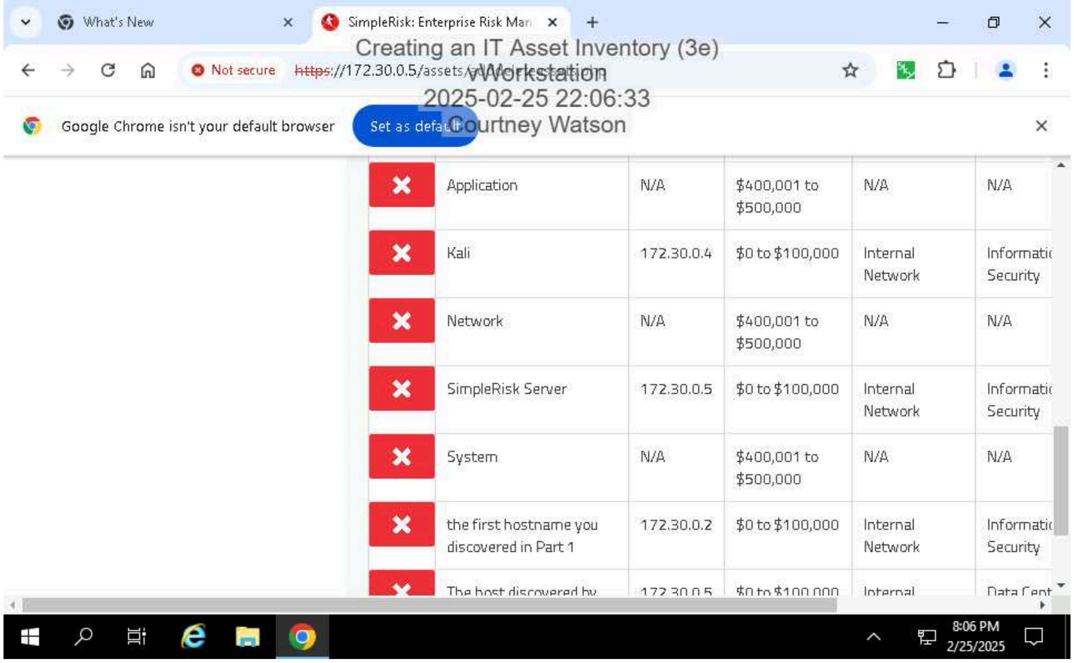
```
root@AttackLinux01:~# nbtscan 172.30.0.0/24
Doing NBT name scan for addresses from 172.30.0.0/24

IP address       NetBIOS Name     Server    User             MAC address
------------------------------------------------------------------------------
172.30.0.0      Sendto failed: Permission denied
172.30.0.3       TARGETWINDOWS01  <server>  <unknown>        00:0c:29:1a:13:f3
172.30.0.2       VWORKSTATION     <server>  <unknown>        00:0c:29:52:26:d7
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 2025-02-25 19:39 PST
Nmap scan report for 172.30.0.2
Host is up (0.00044s latency).
MAC Address: 00:0C:29:52:26:D7 (VMware)
Nmap scan report for 172.30.0.3
Host is up (0.00032s latency).
MAC Address: 00:0C:29:1A:13:F3 (VMware)
Nmap scan report for 172.30.0.5
Host is up (0.00036s latency).
MAC Address: 00:0C:29:6D:D9:6B (VMware)
Nmap scan report for 172.30.0.4
Host is up.
Nmap done: 256 IP addresses (4 hosts up) scanned in 1.95 seconds
root@AttackLinux01:~# 
```

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

OS Details for MAC Address 00:0C:29:52:26:D7 : Microsoft Windows Longhorn (92%), Microft Windows Vista SP1 (92%), Microsoft Windows Server 2012 (92%), Microsoft Windows Server 2016 build 10586 - 14393 (91%) Microsoft Windows 7, Windows Server 2012, or Windows 8.1 Update 1 (91%)
OS Details for MAC Address 00:0C:29:6D:D9:6B : Linux 2.6.32 (96%), Linux 3.2 - 4.9 (96%), Linux 2.6.32 -3.10 (96%), Linux 3.4 - 3.10 (95%), Linux 3.1 (95%)

Part 2: Use SimpleRisk to Document IT Assets

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

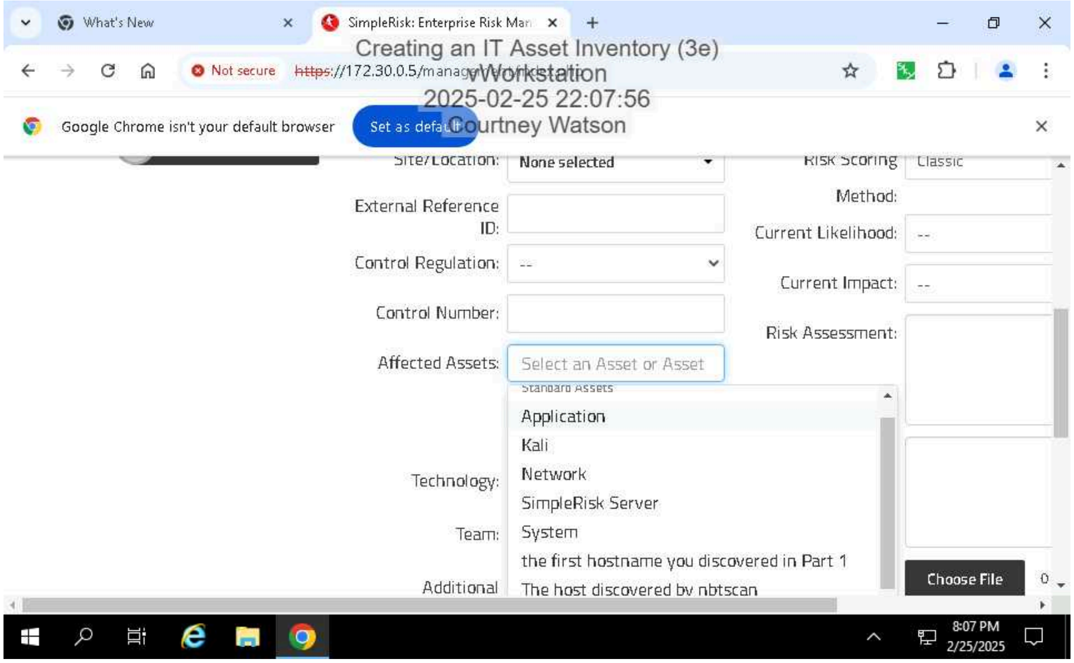


What's New
SimpleRisk: Enterprise Risk Man
Not secure
https://172.30.0.5/assets/
Google Chrome isn't your default browser
Set as default
8:06 PM
2/25/2025

Creating an IT Asset Inventory (3e)
vWorkstation
2025-02-25 22:06:33
Courtney Watson

✖	Application	N/A	$400,001 to $500,000	N/A	N/A
✖	Kali	172.30.0.4	$0 to $100,000	Internal Network	Informatio Security
✖	Network	N/A	$400,001 to $500,000	N/A	N/A
✖	SimpleRisk Server	172.30.0.5	$0 to $100,000	Internal Network	Informatio Security
✖	System	N/A	$400,001 to $500,000	N/A	N/A
✖	the first hostname you discovered in Part 1	172.30.0.2	$0 to $100,000	Internal Network	Informatio Security
✖	The host discovered by	172.30.0.5	$0 to $100,000	Internal	Data Cent

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



What's New
SimpleRisk: Enterprise Risk Man
Not secure
https://172.30.0.5/manage
Google Chrome isn't your default browser
Set as default
Choose File
8:07 PM
2/25/2025

Creating an IT Asset Inventory (3e)
vWorkstation
2025-02-25 22:07:56
Courtney Watson

Site/Location: None selected

External Reference ID:

Control Regulation: --

Control Number:

Affected Assets: Select an Asset or Asset

Standard Assets
Application
Kali
Network
SimpleRisk Server
System
the first hostname you discovered in Part 1
The host discovered by nbtscan

Technology:

Team:

Additional

Risk Scoring Method: Classic

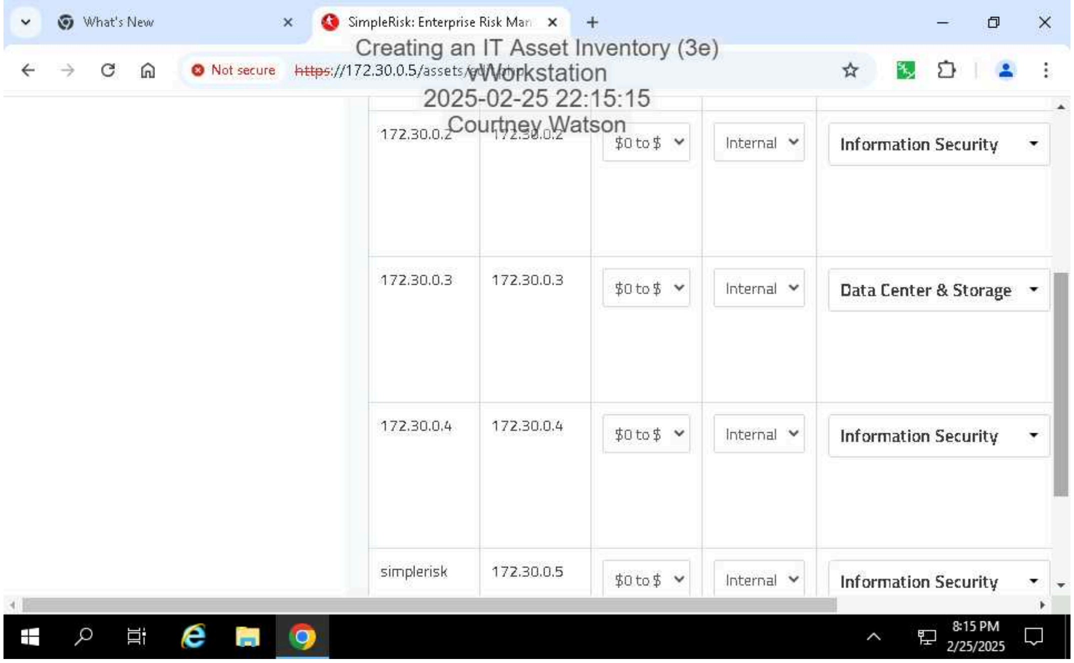
Current Likelihood: --

Current Impact: --

Risk Assessment:

Part 3: Use SimpleRisk to Perform Automated Discovery

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

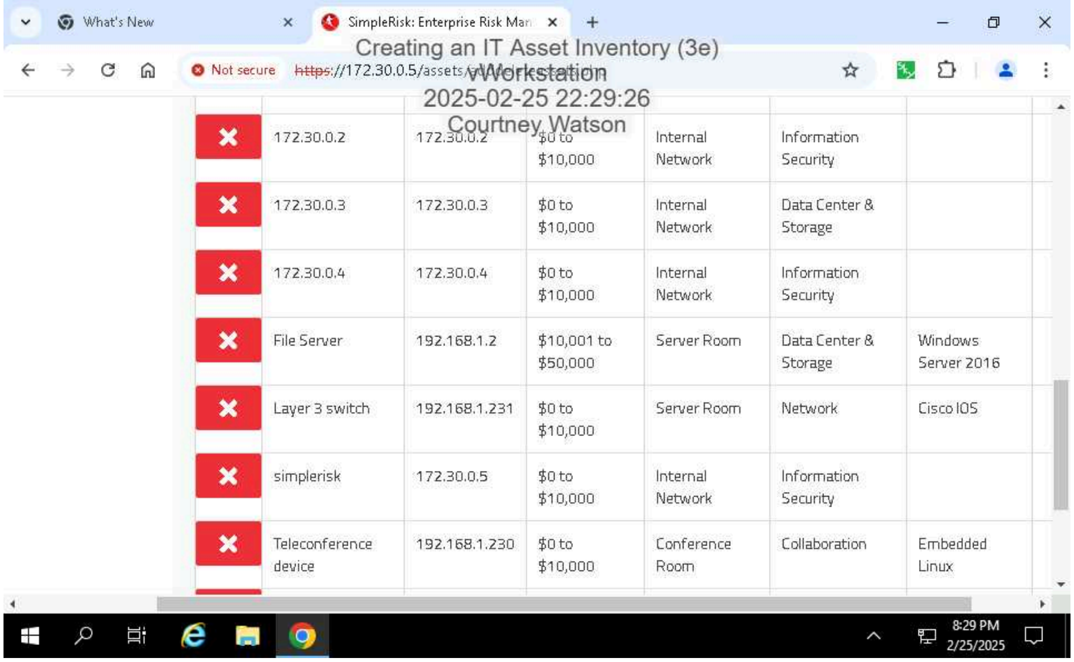


Creating an IT Asset Inventory (3e)
vWorkstation
2025-02-25 22:15:15
Courtney Watson

172.30.0.2	172.30.0.2	$0 to $	Internal	Information Security
172.30.0.3	172.30.0.3	$0 to $	Internal	Data Center & Storage
172.30.0.4	172.30.0.4	$0 to $	Internal	Information Security
simplerisk	172.30.0.5	$0 to $	Internal	Information Security

Challenge Exercise

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



Creating an IT Asset Inventory (3e)
vWorkstation
2025-02-25 22:29:26
Courtney Watson

✖	172.30.0.2	172.30.0.2	$0 to $10,000	Internal Network	Information Security	
✖	172.30.0.3	172.30.0.3	$0 to $10,000	Internal Network	Data Center & Storage	
✖	172.30.0.4	172.30.0.4	$0 to $10,000	Internal Network	Information Security	
✖	File Server	192.168.1.2	$10,001 to $50,000	Server Room	Data Center & Storage	Windows Server 2016
✖	Layer 3 switch	192.168.1.231	$0 to $10,000	Server Room	Network	Cisco IOS
✖	simplerisk	172.30.0.5	$0 to $10,000	Internal Network	Information Security	
✖	Teleconference device	192.168.1.230	$0 to $10,000	Conference Room	Collaboration	Embedded Linux