

## Chapter 2: Profiling a Windows host

### Do the following on the Windows 10 system

Start Remote Procedure Call (RPC) service

Start RPC Locator service

Start RPC Endpoint Mapper service

Start Remote Registry service

Adjust registry keys (Run>RegEdit)

HKLM\SYSTEM\CurrentControlSet\Control\SecurePipeServers\winreg

- Right-click and select Permissions
- Add, select object type user, and add in IEUser and Check Names
- Set permissions and then Apply

HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Perflib

- Right click and select Permissions
- Add, select object type user, and add in IEUser and Check Names
- Set permissions and then Apply

HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System

- Add a new DWORD, LocalAccountTokenFilterPolicy
- Set to value 1

Run Secpol.msc

- disable Accounts: Limit local....

Go to <https://technet.microsoft.com/en-us/sysinternals/pstools.aspx> and install the PsTools suite

## Chapter 3: Enumerating SMB from Linux: Episode 1

### Load ShareEnum into Kali

```
wget github.com/CroweCybersecurity/shareenum/releases/download/2.0/ shareenum_2.0_amd64.deb  
dpkg -i shareenum_2.0_amd64.deb [enter]
```

## Chapter 3: Enumerating SMB from Windows: Episode 1

### Install the following tools on the Windows 7 system

<https://sourceforge.net/projects/netbiosscan/>

<https://sourceforge.net/projects/nbtenum/>

**Install the following tools on the Windows 10 system**

[www.mitec.cz/netscan.html](http://www.mitec.cz/netscan.html)

## Chapter 3: Enumerating SMB from Windows: Episode 2

**Install the following tools on the Windows 7 system**

<https://technet.microsoft.com/en-us/sysinternals/shareenum.aspx>

<https://www.softperfect.com/products/networkscanner/>

## Chapter 3: SNMP enumeration

Install snmpenum on Kali

```
cd /usr/share
```

```
mkdir snmpenum
```

```
cd snmpenum
```

```
wget http://dl.packetstormsecurity.net/UNIX/scanners/snmpenum.zip
```

```
unzip snmpenum
```

**Edit the snmpd defaults on Metasploitable**

```
sudo nano /etc/default/snmpd
```

change SNMPDOPTS line address from 127.0.0.1 to 0.0.0.0

## Chapter 3: Enumerating with RPC

Install WinFingerprint on the Windows 7 system

<http://qpdownload.com/winfingerprint-062zip/>

## Chapter 3: Using WMI to enumerate Windows

**Set up Windows for WMI: Set network to private (right click in network sharing) start RPC Locator, close Firewall, and run winrm quickconfig**

**Download and extract the WMIE tool from the website**

<https://wmie.codeplex.com/>

## Chapter 3: Enumeration using Finger

**Install the Finger daemon on Ubuntu**

```
sudo apt-get install inetutils-inetd fingerd
```

```
/etc/init.d/inetutils-inetd start
```

```
sudo ufw allow 79
```

## Chapter 4: Tracing Internet routes

### Install on the Windows 7 system

[https://sourceforge.net/projects/openvisualtrace/?source=typ\\_redirect](https://sourceforge.net/projects/openvisualtrace/?source=typ_redirect)

## Chapter 4: Enumerating LDAP

### Install zmap on Kali

apt-get install zmap

## Chapter 5: Introducing SuperScan

### Install SuperScan on the Windows 7 system

<http://www.mcafee.com/us/downloads/free=tools/superscan.aspx>

## Chapter 5: Running NetScan Tools Pro

### Install NetScan Tools Pro on the Windows 7 system

<http://www.netscantools.com/download.html>

## Chapter 5: Enumerating LDAP

### Update to current level

sudo apt-get update

sudo apt-get upgrade

**If you encounter problems with "Failed to Fetch Files" on apt-get update/upgrade, try adding a new file /etc/resolvconf/resolv.conf.d/tail with two lines**

nameserver 8.8.8.8

nameserver 4.4.4.4

### Installing an LDAP service

Refer to <https://www.unixmen.com/install-openldap-in-ubuntu-15-10-and-debian-8/>

[sudo apt-get install slapd ldap-utils](#)

{complete using your own admin account}

sudo nano /etc/ldap/ldap.conf

[replace 'BASE' and 'URI' values with your domain name and IP Address]

eg: BASE c=malcolmshore, dc=com

URI ldap://10.0.2.9 ldap://10.0.2.9:666 (using the IP address of Ubuntu host)

sudo dpkg-reconfigure slapd

{complete the configuration using your own entries, repeat the admin account entered above}

[allow LDAP v2]

```
sudo apt-get install phpldapadmin
sudo ln -s /usr/share/phpldapadmin/ /var/www/html/phpldapadmin
sudo nano /etc/phpldapadmin/config.php
[change the following lines as shown]
    $servers->setValue('server','name','MS-LDAP'); {use any name you want}
    $servers->setValue('server','host','10.0.2.9'); {use your Ubuntu IP address}
    $servers->setValue('server','base',array('dc=malcolmsshore,dc=com')); {use your dc}
....
    $servers->setValue('login','bind_id','cn=admin,dc=malcolmsshore,dc=com'); {use your dc}

sudo systemctl restart apache2
sudo ufw allow 80
sudo ufw allow 389
```

**Then on a workstation on the network, connect to <http://10.0.2.9/phpldapadmin>**

[login using admin password]

[set up your company records]

## **Install JXplorer on Windows 7**

<http://www.jxplorer.org/>