

Software Inventory Logging (SIL) setup instructions

SIL – Windows built-in utility, that collect data about the Microsoft software products, installed on the server.

More detailed information available at Microsoft webpage:

<https://docs.microsoft.com/en-us/windows-server/administration/software-inventory-logging/manage-software-inventory-logging>

OS requirements

SIL can be set up for following OS versions:

- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2 SP1

❖ For Windows Server 2012 R2 updates KB3000850 and KB3060681 are required.

Updates can be downloaded from Microsoft page:

- <https://support.microsoft.com/en-us/help/3000850/november-2014-update-rollup-for-windows-rt-8-1-windows-8-1-and-windows>

- <https://www.microsoft.com/en-us/download/details.aspx?id=47605>

❖ For Windows 2008 R2 SP1, a “.NET Framework 4.7.1” update is required.

Update can be downloaded from Microsoft page: <https://www.microsoft.com/en-us/download/details.aspx?id=56116>

❖ For Windows Server 2012 and 2008 R2 SP1, a “Windows Management Framework 5.1” update is required.

Update can be downloaded from Microsoft page: <https://www.microsoft.com/en-us/download/details.aspx?id=54616>

Windows Server 2012 file is entitled **W2K12-KB3191565-x64.msu**

Windows Server 2008 R2 file is entitled **Win7AndW2K8R2-KB3191566-x64.zip**

Installation steps

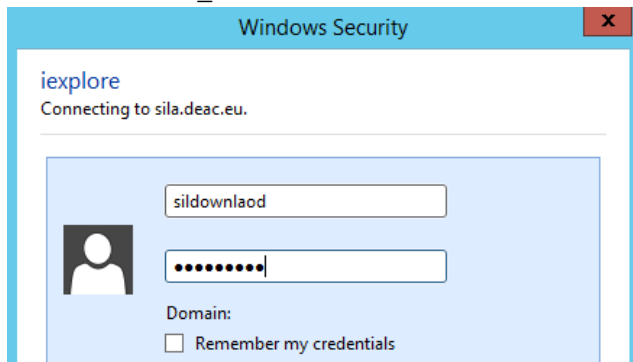
- For SIL to operate, a server must have an internet access or an open access from server to address *sil.deac.eu* through TCP ports 443,4443.
- To setup SIL, launch **Powershell** script *Configure-Sillogin.ps1*, that can be downloaded here: <https://sil.deac.eu:4443/cert/Configure-Sillogin.ps1>

1

Please enter username and password:

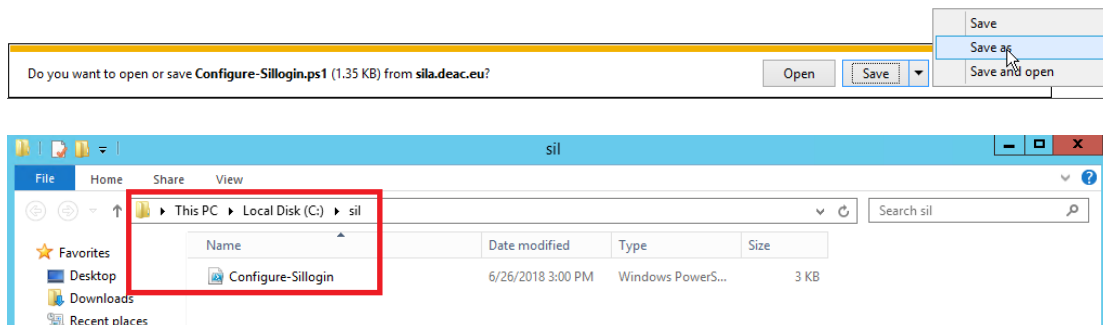
Username: sildownload

Password: DeaC_sil5



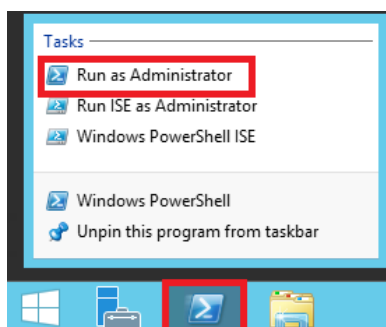
2

Please save the script, e.g. to folder *c:\sil*.



3

After saving the script, it needs to be launched from under **PowerShell**. **PowerShell** has to be run as administrator.



Launching script results.

```

Select Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Windows\system32> cd C:\sil\
PS C:\sil>
PS C:\sil>
PS C:\sil>
PS C:\sil>
PS C:\sil>
PS C:\sil> .\Configure-Sillogin.ps1
Certificate "sila clients" added to store.

CertUtil: -importPFX command completed successfully.
root "Trusted Root Certification Authorities"
Signature matches Public Key
Related Certificates:

Exact match:
Element 10:
Serial Number: 1bb803018624e284429e329ac4612909
Issuer: CN=sila clients
NotBefore: 6/6/2018 4:18 PM
NotAfter: 6/6/2028 4:28 PM
Subject: CN=sila clients
Signature matches Public Key
Root Certificate: Subject matches Issuer
Cert Hash(sha1): 21f09acab0d0c66a1c96680dfd92422297ff62f8

Certificate "sila clients" already in store.
CertUtil: -addstore command completed successfully.
root "Trusted Root Certification Authorities"
Signature matches Public Key
Certificate "sila.deac.eu" added to store.
CertUtil: -addstore command completed successfully.
PS C:\sil>

```

In order to check SIL configuration from PowerShell, execute command *Get-SilLogging*.

```

Select Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Windows\system32> Get-SilLogging

State           : Running
TimeOfDay       : 1/1/2000 4:00:00 AM
TargetUri       : https://sila.deac.eu
CertificateThumbprint : 21f09acab0d0c66a1c96680dfd92422297ff62f8
PSComputerName  :

```

- ✓ The script copies certificate from <https://sila.deac.eu:4443>
- ✓ Installs "sila client" certificate without private key in *Trusted Root Certification Authority* and "sila client" certificate with private key in *Local Computer/Personal*.
- ✓ Sets up SIL utility.