

Configure AnyConnect Lockdown And Hide AnyConnect From The Add/Remove Program List For Windows

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Introduction

This document describes the steps required to enable the AnyConnect Lockdown and the Hide AnyConnect from the Add/Remove program list for Windows machines.

Contributed by Christian G. Hernandez R, Cisco TAC Engineer.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- Cisco Adaptive Security Appliance (ASA) configuration
- Cisco AnyConnect configuration

- Windows basic knowledge

Components Used

The information in this document is based on the software and hardware versions below:

- Cisco ASA version 9.14.2.13
- Cisco Adaptive Security Device Manager (ASDM) version 7.14.1
- Cisco AnyConnect versions 4.9.04053 and 4.9.06037

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Background Information

AnyConnect Lockdown for Windows: Cisco recommends that end-users be given limited rights to the Cisco AnyConnect Secure Mobility Client on their device. If end-user warrant additional rights, installers can provide a lockdown capability that prevents users and local administrators to turn off or stop the AnyConnect services.

You have three different options to enable the AnyConnect Lockdown feature:

1. MSI installers from the Windows command prompt terminal.
2. Lockdown option from the AnyConnect pre-deployment package installation wizard.
3. ASDM - Import a sample installer lockdown transforms file to the ASA.

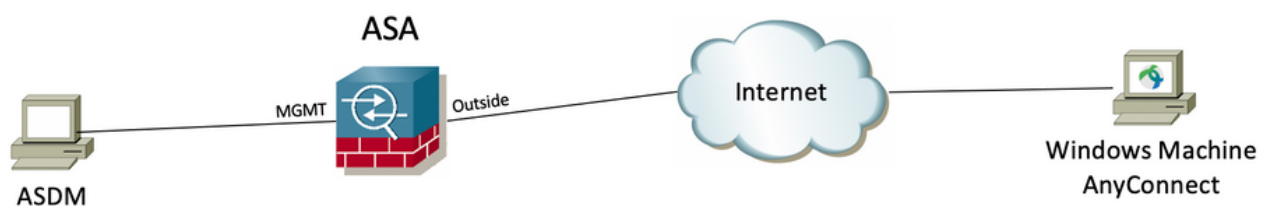
Hide AnyConnect from the Add/Remove program list for Windows: You can hide the installed AnyConnect modules from the Add/Remove Programs list in the Windows Control Panel Uninstall a Program.

You have two options to enable the Hide AnyConnect from the Add/Remove program list feature:

1. MSI installers from the Windows command prompt terminal.
2. ASDM - Import a sample installer hide-addremove transforms file to the ASA.

Configure

Network Diagram



Configure AnyConnect Lockdown

MSI installers from the Windows command prompt terminal.

Configuration Steps

Step 1. Download the AnyConnect pre-deployment package file for Windows.

Step 1.1 Navigate to the Cisco software download page and download the AnyConnect version to install on the Windows machine.

For this example, download the Windows AnyConnect pre-deployment package that includes the individual MSI files for version 4.9.04053 (**anyconnect-win-4.9.04053-predeploy-k9.zip**).

The screenshot shows the Cisco Software Download page for AnyConnect Secure Mobility Client v4.x. The page includes a search bar, navigation links, and a list of files for download. The file 'AnyConnect Pre-Deployment Package (Windows) - includes individual MSI files' is highlighted in a red box.

Search: Search...

Expand All Collapse All

Latest Release

- 4.10.00093
- 4.9.06037

All Release

- Translations
- ISEComplianceModule
- AppSelector-2.0
- Hostscan
- Android
- 4.10
- NVM
- 4.9
- 4.9.06037
- 4.9.05042
- 4.9.04053**

AnyConnect Secure Mobility Client v4.x

Release 4.9.04053

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Related Links and Documentation

- AnyConnect Ordering Guide
- Release Notes for 4.9.04053
- Licensing FAQ

AnyConnect 4.9 is available to customers with active AnyConnect Apex, Plus or VPN Only term/contracts. See the AnyConnect Ordering Guide for options. [Software Download problems?](#)

File Information	Release Date	Size	
AnyConnect Pre-Deployment Package (Linux 64-bit)	30-Nov-2020	25.19 MB	
anyconnect-linux64-4.9.04053-predeploy-k9.tar.gz			
Application Programming Interface [API] (Linux 64-bit)	30-Nov-2020	6.61 MB	
anyconnect-linux64-4.9.04053-vpnapi.tar.gz			
AnyConnect Headend Deployment Package (Linux 64-bit)	30-Nov-2020	34.49 MB	
anyconnect-linux64-4.9.04053-webdeploy-k9.pkg			
AnyConnect Pre-Deployment Package (Mac OS)	30-Nov-2020	41.44 MB	
anyconnect-macos-4.9.04053-predeploy-k9.dmg			
Application Programming Interface [API] (Mac OS)	30-Nov-2020	33.62 MB	
anyconnect-macos-4.9.04053-vpnapi.tar.gz			
AnyConnect Headend Deployment Package (Mac OS)	30-Nov-2020	57.16 MB	
anyconnect-macos-4.9.04053-webdeploy-k9.pkg			
Language localization transform Pre-Deployment (Windows)	30-Nov-2020	0.64 MB	
anyconnect-win-4.9.04053-core-vpn-lang-predeploy-k9.zip			
Language localization transform Headend Deployment (Windows)	30-Nov-2020	0.65 MB	
anyconnect-win-4.9.04053-core-vpn-lang-webdeploy-k9.zip			
AnyConnect Pre-Deployment Package (Windows) - includes individual MSI files 	30-Nov-2020	59.62 MB	
anyconnect-win-4.9.04053-predeploy-k9.zip			

Step 2. Download the AnyConnect installer transforms file for Windows.

Step 2.1 Navigate to the Cisco software download page and download the AnyConnect Installer Transforms file for Windows that matches the same AnyConnect version to install in the Windows machine.

For this example, download the transforms file for the AnyConnect version 4.9.04053 (**tools-anyconnect-win-4.9.04053-transforms.zip**).

Expand All
Collapse All

Release 4.9.04053

★★★★☆ (1) Write | Read reviews

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Related Links and Documentation

[AnyConnect Ordering Guide](#)

[Release Notes for 4.9.04053](#)

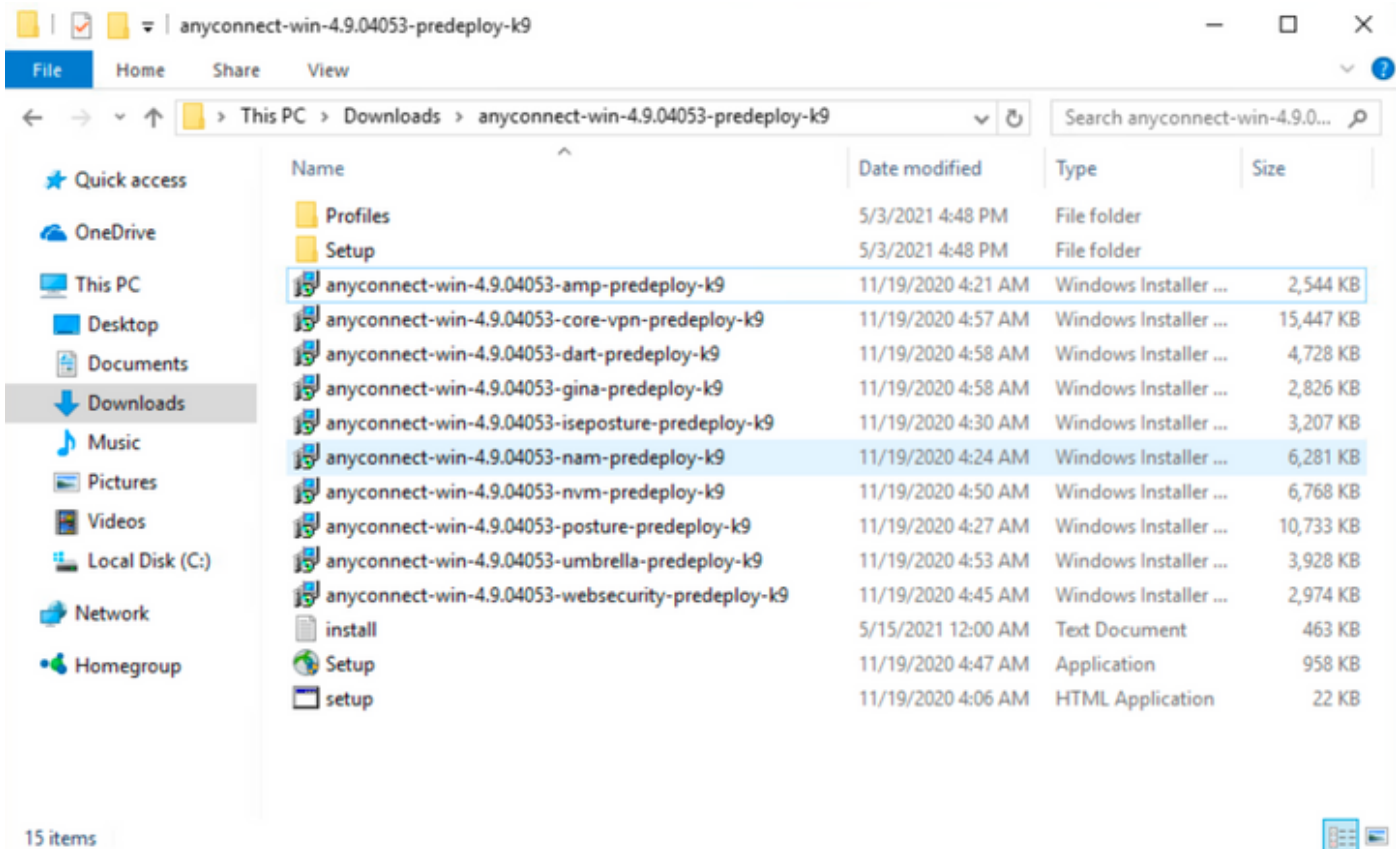
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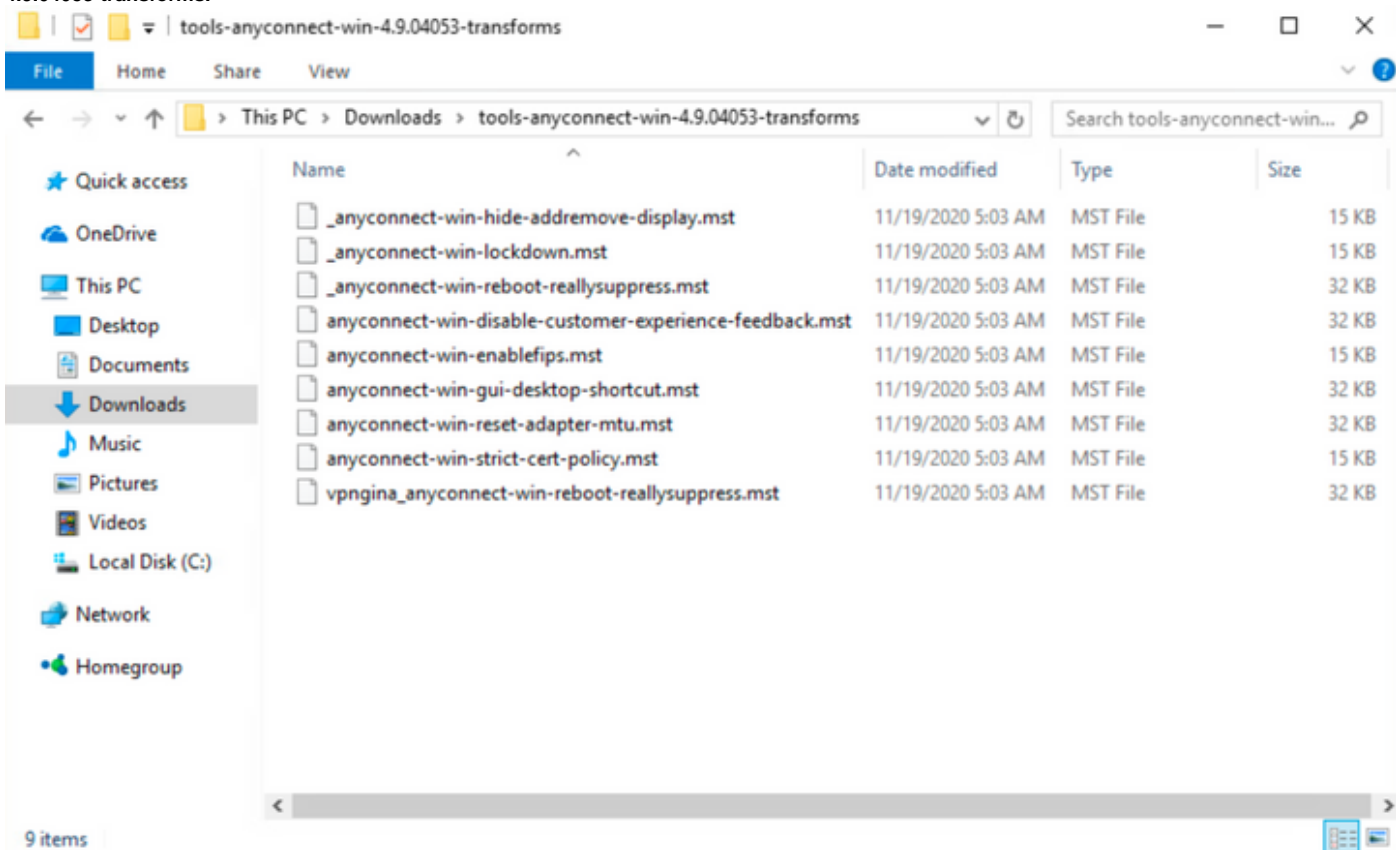
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Language localization transform Headend Deployment (Windows) anyconnect-win-4.9.04053-core-vpn-lang-webdeploy-k9.zip	30-Nov-2020	0.65 MB	↓	🛒
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Application Programming Interface [API] (Windows) anyconnect-win-4.9.04053-vpnapi.zip	30-Nov-2020	141.06 MB	↓	🛒
AnyConnect Headend Deployment Package (Windows) anyconnect-win-4.9.04053-webdeploy-k9.pkg	30-Nov-2020	67.32 MB	↓	🛒
AnyConnect Pre-Deployment Package (Windows 10 ARM64) - includes individual MSI files anyconnect-win-arm64-4.9.04053-predeploy-k9.zip	30-Nov-2020	28.84 MB	↓	🛒
AnyConnect Headend Deployment Package (Windows 10 ARM64) anyconnect-win-arm64-4.9.04053-webdeploy-k9.pkg	30-Nov-2020	36.48 MB	↓	🛒
Profile Editor (Windows) tools-anyconnect-win-4.9.04053-profileeditor-k9.msi	30-Nov-2020	10.61 MB	↓	🛒
AnyConnect Installer Transforms (Windows) tools-anyconnect-win-4.9.04053-transforms.zip	30-Nov-2020	0.05 MB	↓	🛒

Step 3. Unzip the AnyConnect files downloaded into different folders.

Step 3.1 The **anyconnect-win-4.9.04053-predeploy-k9.zip** file is unzipped on the next folder path: **C:\Users\calo\Downloads\anyconnect-win-4.9.04053-predeploy-k9**.

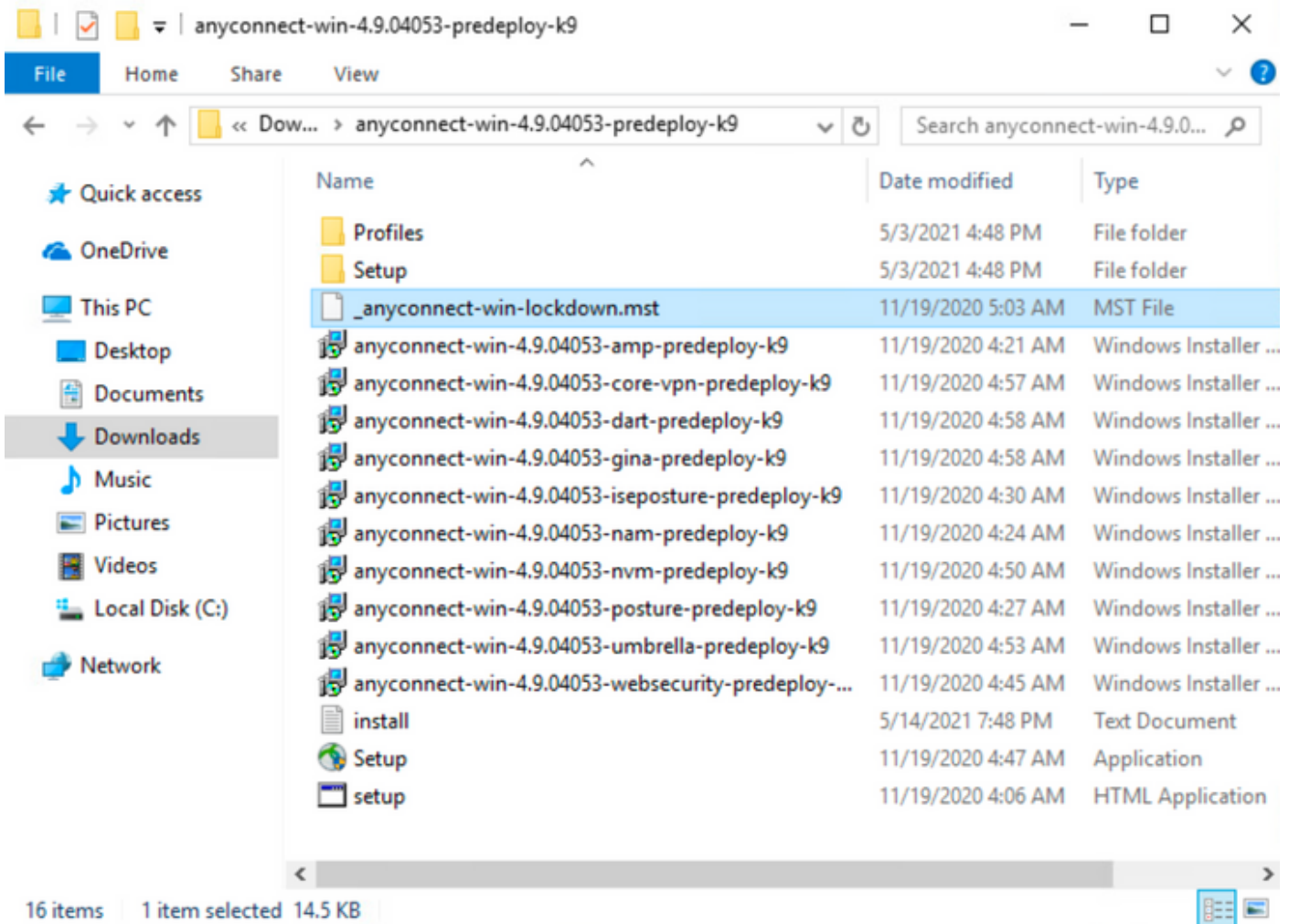


Step 3.2 The **tools-anyconnect-win-4.9.04053-transforms.zip** file is unzipped on the next folder path: **C:\Users\scalo\Downloads\tools-anyconnect-win-4.9.04053-transforms**.



Step 4. Copy and paste the AnyConnect lockdown transforms file into the same folder as the AnyConnect MSI installer files.

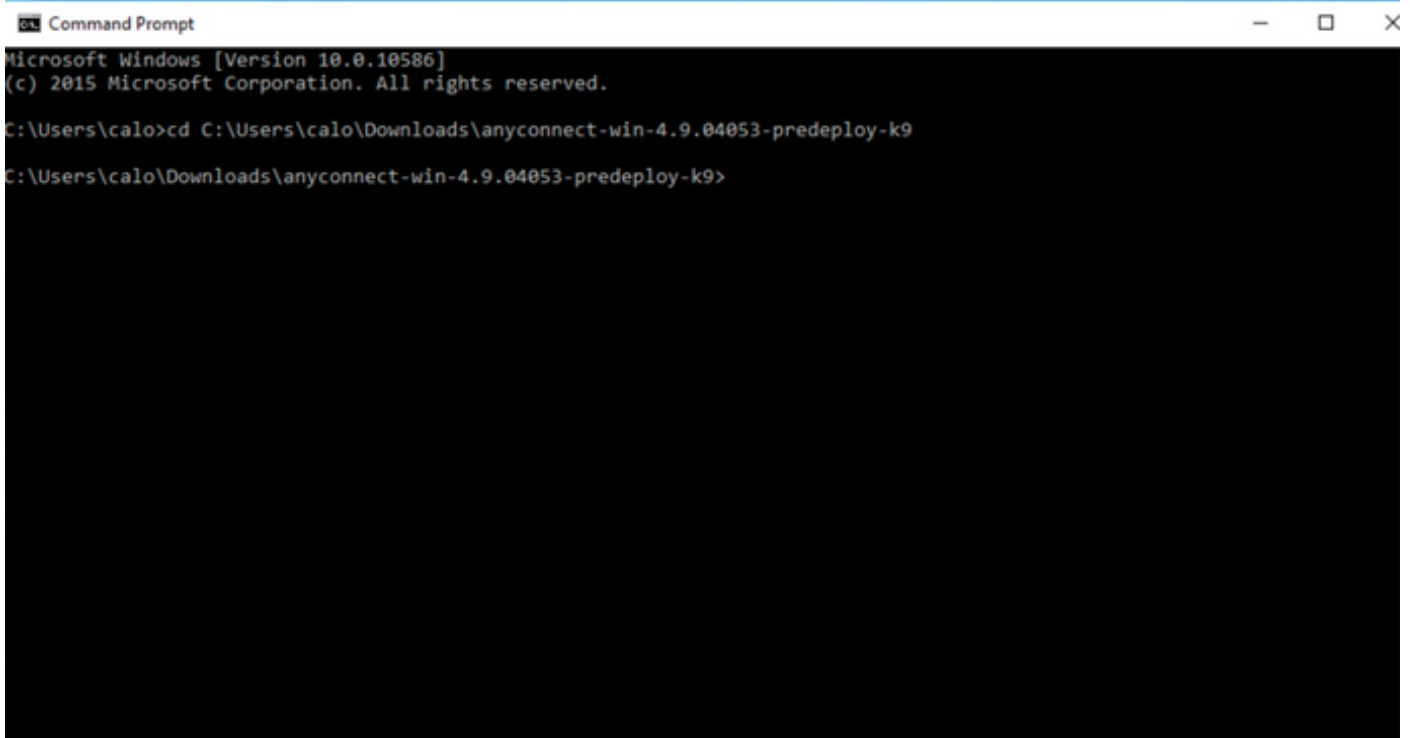
Step 4.1 From the **tools-anyconnect-win-4.9.04053-transforms** folder, copy the **_anyconnect-win-lockdown.mst** lockdown transforms file and pastes it into the **anyconnect-win-4.9.04053-predeploy-k9** folder as follows.



Step 5. CD into the folder path that has the MSI AnyConnect installation files.

Step 5.1 Open a Windows command prompt terminal and cd into the folder path that has the MSI AnyConnect installation files and the **_anyconnect-win-lockdown.mst** lockdown transforms file copied/pasted in the step above.

This example cd into the next folder path **C:\Users\calo\Downloads\anyconnect-win-4.9.04053-predeploy-k9**.



Step 6. Install the AnyConnect modules with the lockdown transforms file.

Step 6.1 I nstall each of the AnyConnect modules required with the next MSI installer command that points to the AnyConnect .msi module file and the **_anyconnect-win-lockdown.mst** lockdown transforms file.

```
msiexec -i anyconnect-win-4.9.04053-xxxxxxx-predeploy-k9.msi TRANSFORMS=_anyconnect-win-
```

```
lockdown.mst LOCKDOWN=1 -lvx* install.log
```

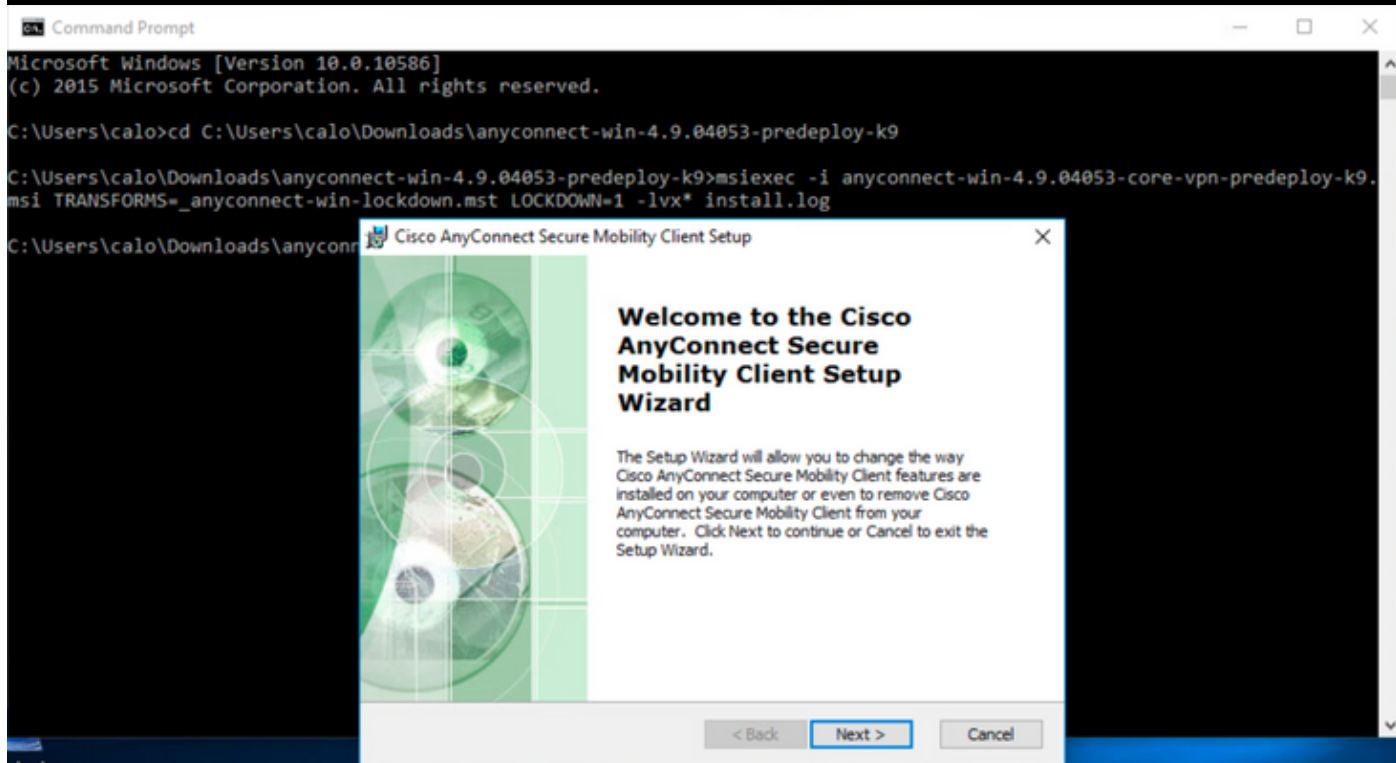
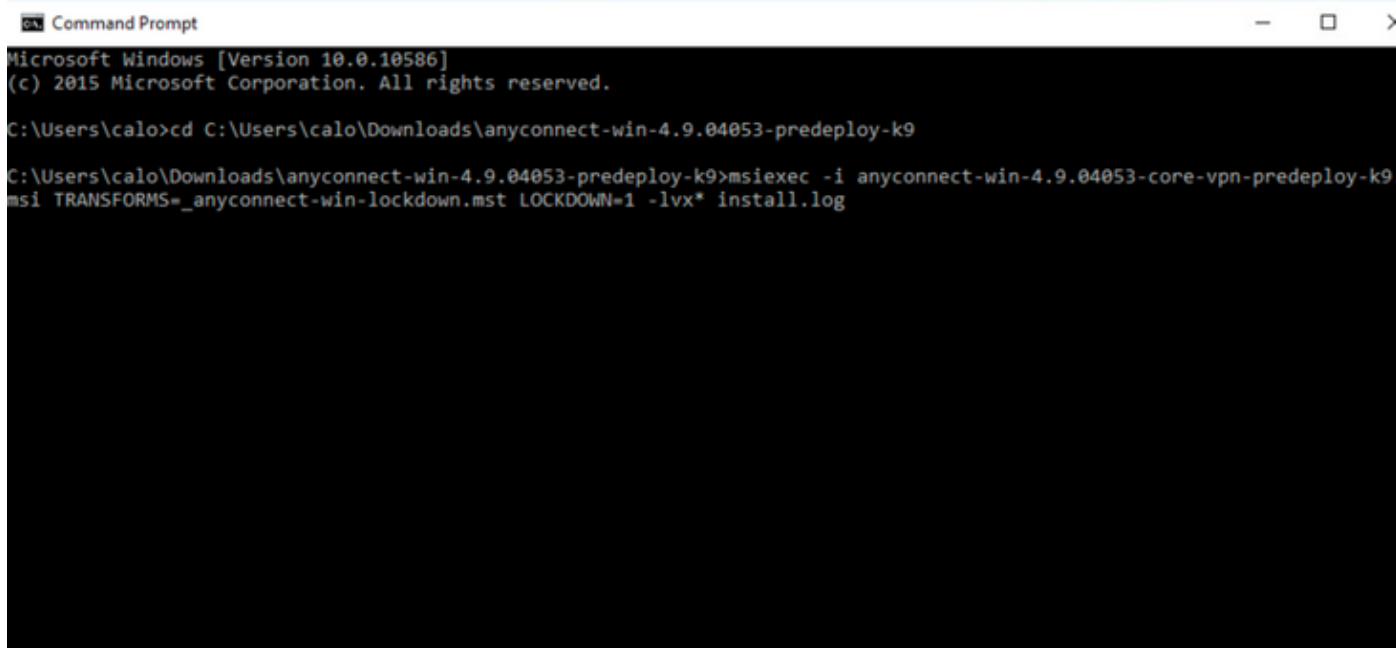
Note:The LOCKDOWN value setup as "1", enables the lockdown feature for the AnyConnect module to install.

Note: Cisco recommends that you use the sample transforms file provided to set this property, apply the transform to each MSI installer for each module you want to be locked down. You can download the sample transforms from the Cisco AnyConnect Secure Mobility Client software download page.

Note:If you deploy the core client plus one or more optional modules, you must apply the LOCKDOWN property to each of the installers. This operation is one way only and cannot be removed unless you re-install the product.

Step 6.2 This example installs the AnyConnect **CORE & VPN** module and the **_anyconnect-win-lockdown.mst** lockdown transforms file, both match the files for the AnyConnect version 4.9.04053.

```
msiexec -i anyconnect-win-4.9.04053-core-vpn-predeploy-k9.msi TRANSFORMS=_anyconnect-win-lockdown.mst LOCKDOWN=1 -lvx* install.log
```



Cisco AnyConnect Secure Mobility Client Setup ✕

End-User License Agreement

Please read the following license agreement carefully

**Supplemental End User License Agreement
for AnyConnect® Secure Mobility Client v4.x
and other VPN-related Software**

IMPORTANT: READ CAREFULLY

This Supplemental End User License Agreement ("SEULA") contains additional terms and conditions for the Software Product licensed under the End User License Agreement ("EULA") between You ("You") as used herein

I accept the terms in the License Agreement

I do not accept the terms in the License Agreement

Advanced Installer

< Back Next > Cancel

Cisco AnyConnect Secure Mobility Client Setup ✕

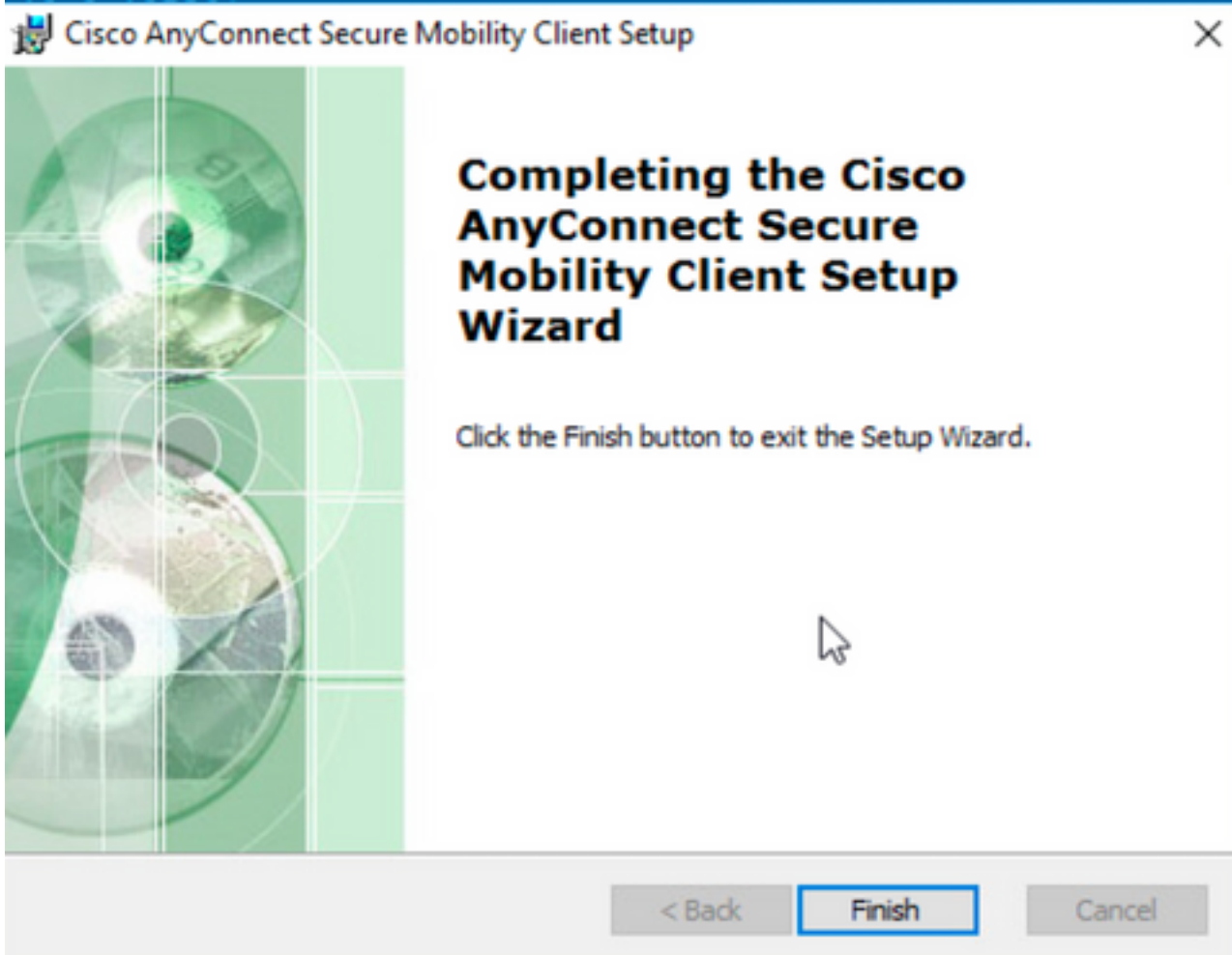
Ready to Install

The Setup Wizard is ready to begin the Typical installation

Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.

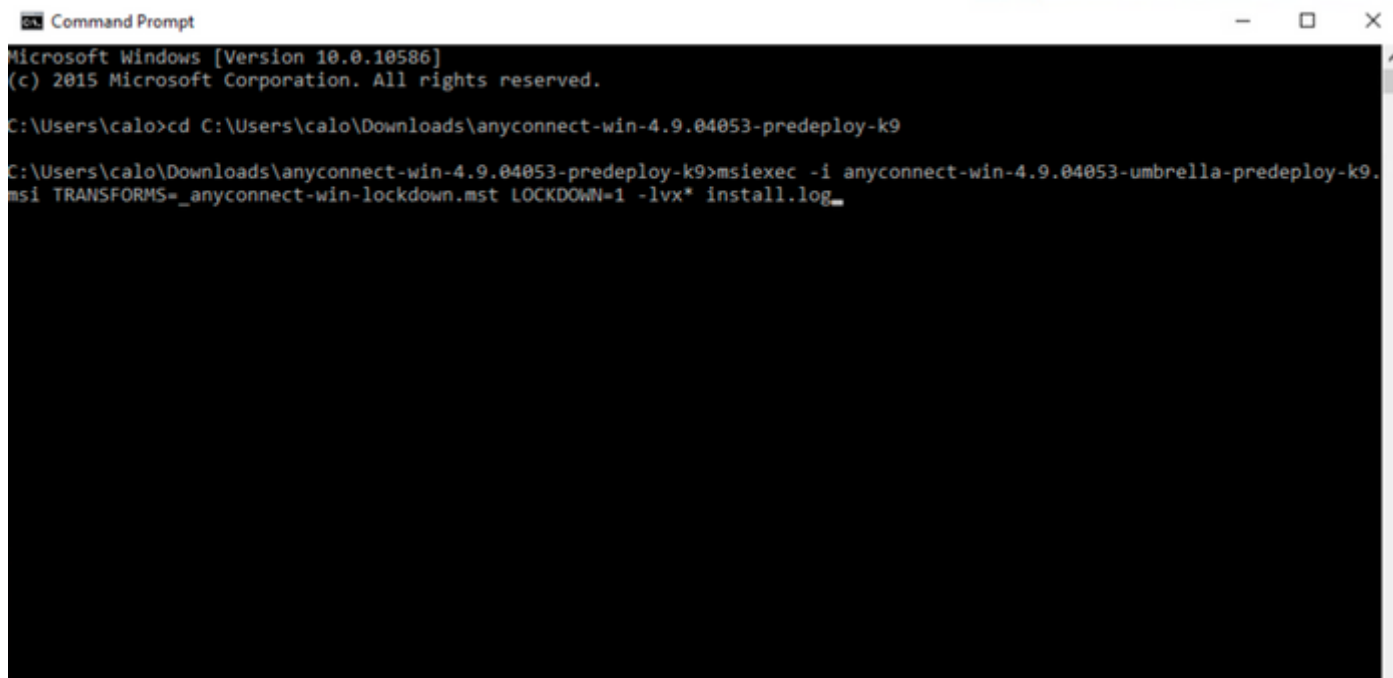
Advanced Installer

< Back Install Cancel



Step 6.3 This example installs the AnyConnect **Umbrella Roaming Security** module and the `_anyconnect-win-lockdown.mst` lockdown transforms file, both match the files for the AnyConnect version 4.9.04053.

```
msiexec -i anyconnect-win-4.9.04053-umbrella-predeploy-k9.msi TRANSFORMS=_anyconnect-win-lockdown.mst LOCKDOWN=1 -lvx* install.log
```



Lockdown option from the AnyConnect pre-deployment package installation wizard.

Configuration Steps

Step 1. Download the Anyconnect pre-deployment package file for Windows.

Step 1.1 Navigate to the Cisco software download page and download the AnyConnect version to install on the Windows machine.




























For this example, download the Windows AnyConnect pre-deployment package that includes the individual MSI files for version 4.9.04053 (**anyconnect-win-4.9.04053-predeploy-k9.zip**).

The screenshot shows the Cisco Software Download page for AnyConnect Secure Mobility Client v4.x. The page includes a search bar, navigation tabs (Products & Services, Support, How to Buy, Training & Events, Partners), and a breadcrumb trail: Downloads Home / Security / VPN and Endpoint Security Clients / Cisco VPN Clients / AnyConnect Secure Mobility Client / AnyConnect Secure Mobility Client v4.x / AnyConnect VPN Client Software - 4.9.04053.

The main content area displays the product name 'AnyConnect Secure Mobility Client v4.x' and the release version '4.9.04053'. It also includes a star rating (4.5 stars), a 'Write' button, and a 'Read reviews' link. A 'My Notifications' link is also present.

Below the product information, there is a warning message: 'AnyConnect 4.9 is available to customers with active AnyConnect Apex, Plus or VPN Only term/contracts. See the AnyConnect Ordering Guide for options. Software Download problems?'

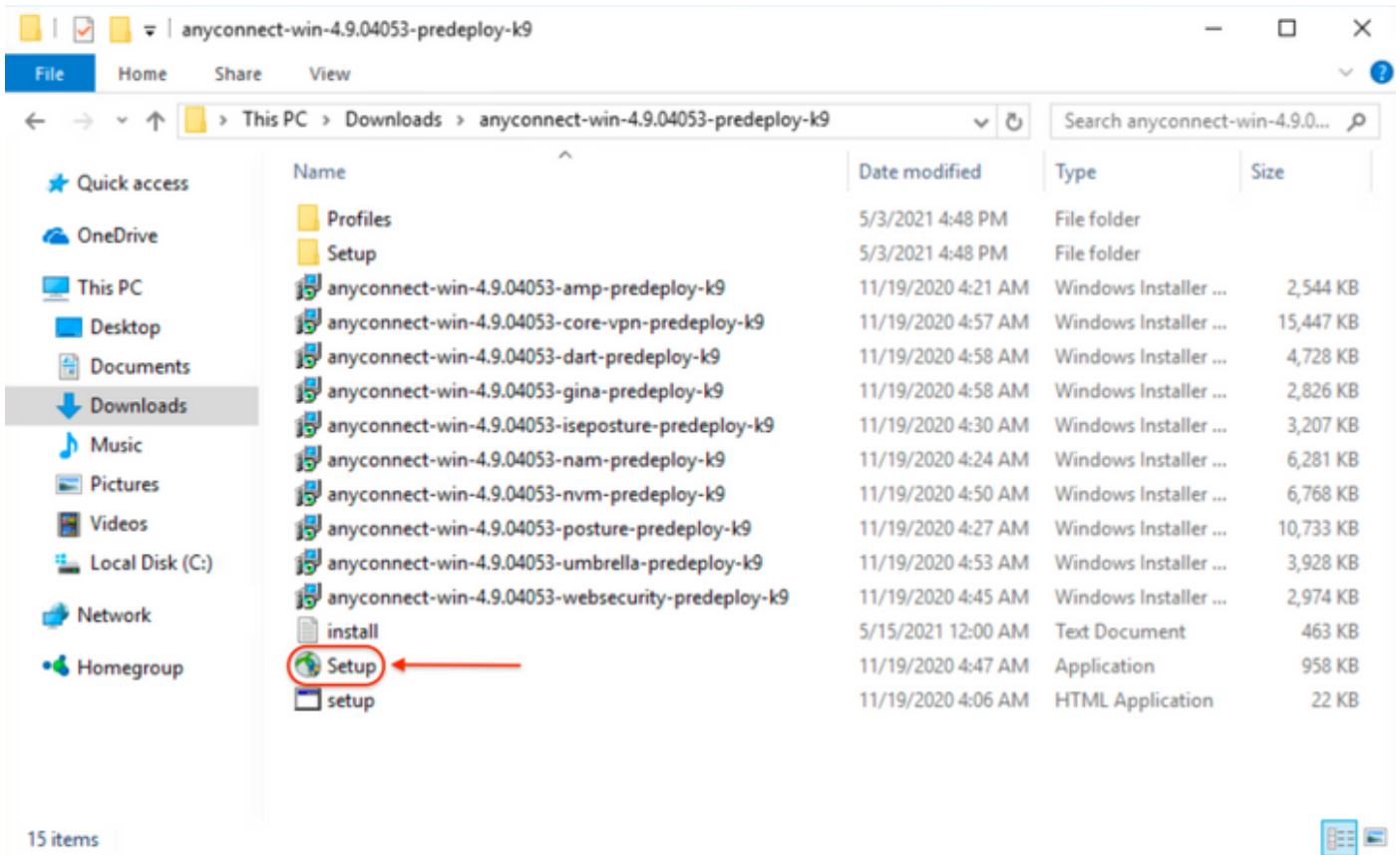
The main content area features a table with the following columns: File Information, Release Date, Size, and download icons. The table lists several download packages, with the 'AnyConnect Pre-Deployment Package (Windows) - includes individual MSI files' package highlighted by a red box.

File Information	Release Date	Size	Download
AnyConnect Pre-Deployment Package (Linux 64-bit)  anyconnect-linux64-4.9.04053-predeploy-k9.tar.gz	30-Nov-2020	25.19 MB	 
Application Programming Interface [API] (Linux 64-bit)  anyconnect-linux64-4.9.04053-vpnapi.tar.gz	30-Nov-2020	6.61 MB	 
AnyConnect Headend Deployment Package (Linux 64-bit)  anyconnect-linux64-4.9.04053-webdeploy-k9.pkg	30-Nov-2020	34.49 MB	 
AnyConnect Pre-Deployment Package (Mac OS)  anyconnect-macos-4.9.04053-predeploy-k9.dmg	30-Nov-2020	41.44 MB	 
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Language localization transform Pre-Deployment (Windows)  anyconnect-win-4.9.04053-core-vpn-lang-predeploy-k9.zip	30-Nov-2020	0.64 MB	 
Language localization transform Headend Deployment (Windows)  anyconnect-win-4.9.04053-core-vpn-lang-webdeploy-k9.zip	30-Nov-2020	0.65 MB	 
AnyConnect Pre-Deployment Package (Windows) - includes individual MSI files  anyconnect-win-4.9.04053-predeploy-k9.zip	30-Nov-2020	59.62 MB	 

Step 2. Open the AnyConnect setup file.

Step 2.1 Unzip the **anyconnect-win-4.9.04053-pre-deploy-k9.zip** file downloaded and open it.

Step 2.2 Then double-click on the AnyConnect setup file.



Step 3. Work with the AnyConnect installation wizard.

Step 3.1 Select the AnyConnect modules you would like to install from the options displayed.

For this example, select the AnyConnect **CORE & VPN** and the **Umbrella Roaming Security** modules.

Select the AnyConnect 4.9.04053 modules you wish to install:

- Core & VPN
- Start Before Login
- Network Access Manager
- VPN Posture (Hostscan)
- AMP Enabler
- Network Visibility Module
- Cloud Web Security
- Umbrella Roaming Security
- ISE Posture
- Select All

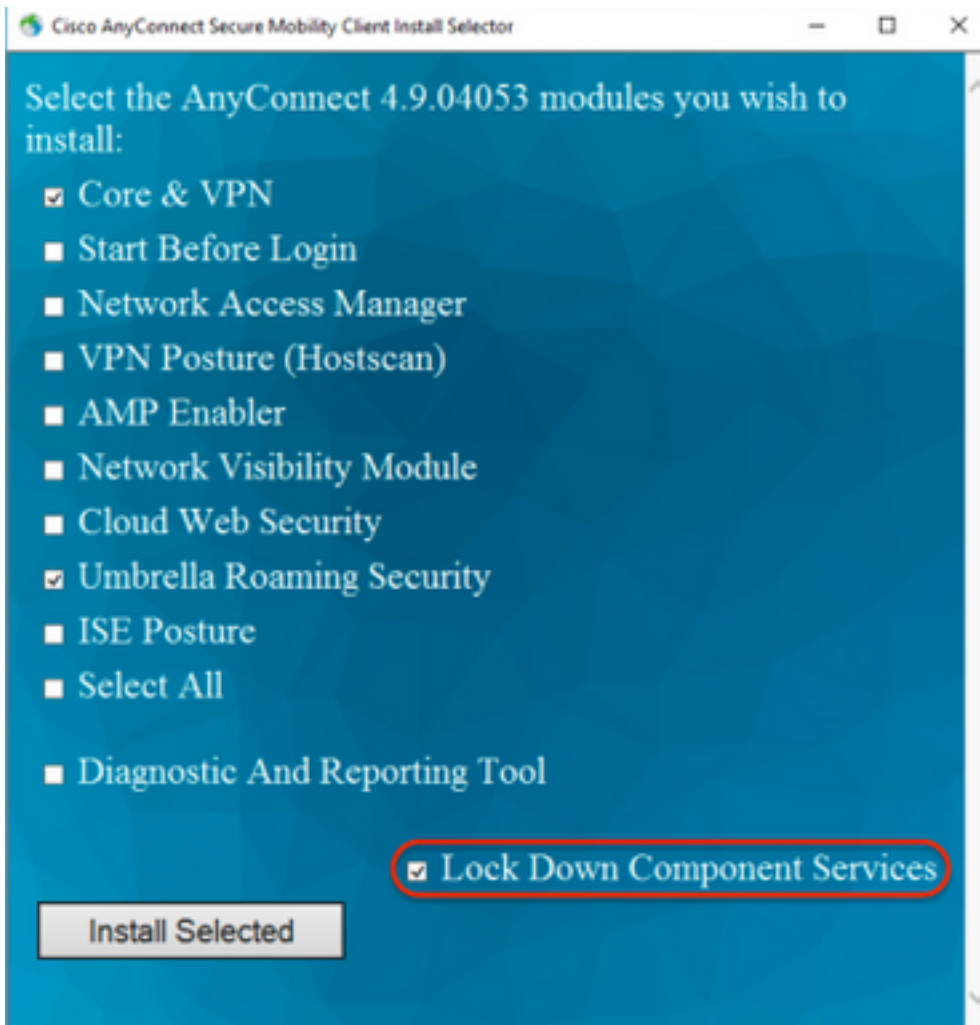
- Diagnostic And Reporting Tool

- Lock Down Component Services

Install Selected

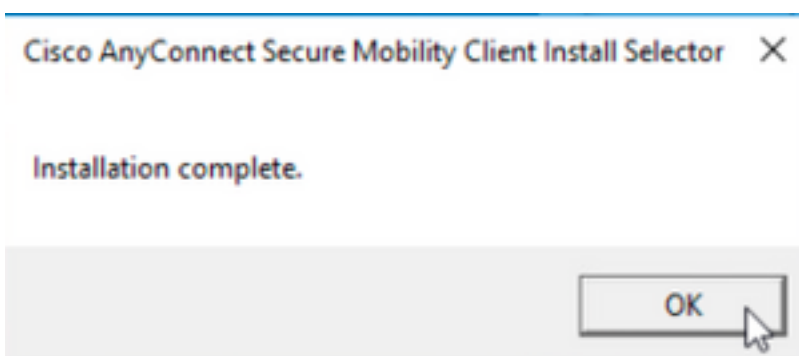
Step 4. Enable the AnyConnect lockdown feature.

Step 4.1 In order to enable the lockdown feature for both the **CORE & VPN** and the **Umbrella Roaming Security** modules, select the **Lock Down Component Services** option and proceed with the installation.



Step 5. Confirm the installation of the AnyConnect modules.

Step 5.1 The installation of the AnyConnect modules is completed at 100% once the next message is displayed.



Configure Hide AnyConnect from the Add/Remove Program List

MSI installers from the Windows command prompt terminal.

Configuration Steps

Step 1. Download the AnyConnect pre-deployment package file for Windows.

Step 1.1 Navigate to the Cisco software download page and download the AnyConnect version to install on the Windows machine.

For this example, download the Windows AnyConnect pre-deployment package that includes the individual MSI files for version 4.9.04053 (**anyconnect-win-4.9.04053-predeploy-k9.zip**).

Software Download

Downloads Home / Security / VPN and Endpoint Security Clients / Cisco VPN Clients / AnyConnect Secure Mobility Client / AnyConnect Secure Mobility Client v4.x / AnyConnect VPN Client Software- 4.9.04053

Expand All
Collapse All

Latest Release v

4.10.00093

4.9.06037

All Release v

Translations >

ISEComplianceModule >

AppSelector-2.0 >

Hostscan >

Android >

4.10 >

NVM >

4.9 v

4.9.06037

4.9.05042

4.9.04053

AnyConnect Secure Mobility Client v4.x

Release 4.9.04053

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Related Links and Documentation

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[Release Notes for 4.9.04053](#)

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For this example, download the transforms file for the AnyConnect version 4.9.04053 (**tools-anyconnect-win-4.9.04053-transforms.zip**).

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Collapse All

Release 4.9.04053

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Related Links and Documentation

[AnyConnect Ordering Guide](#)

[Release Notes for 4.9.04053](#)

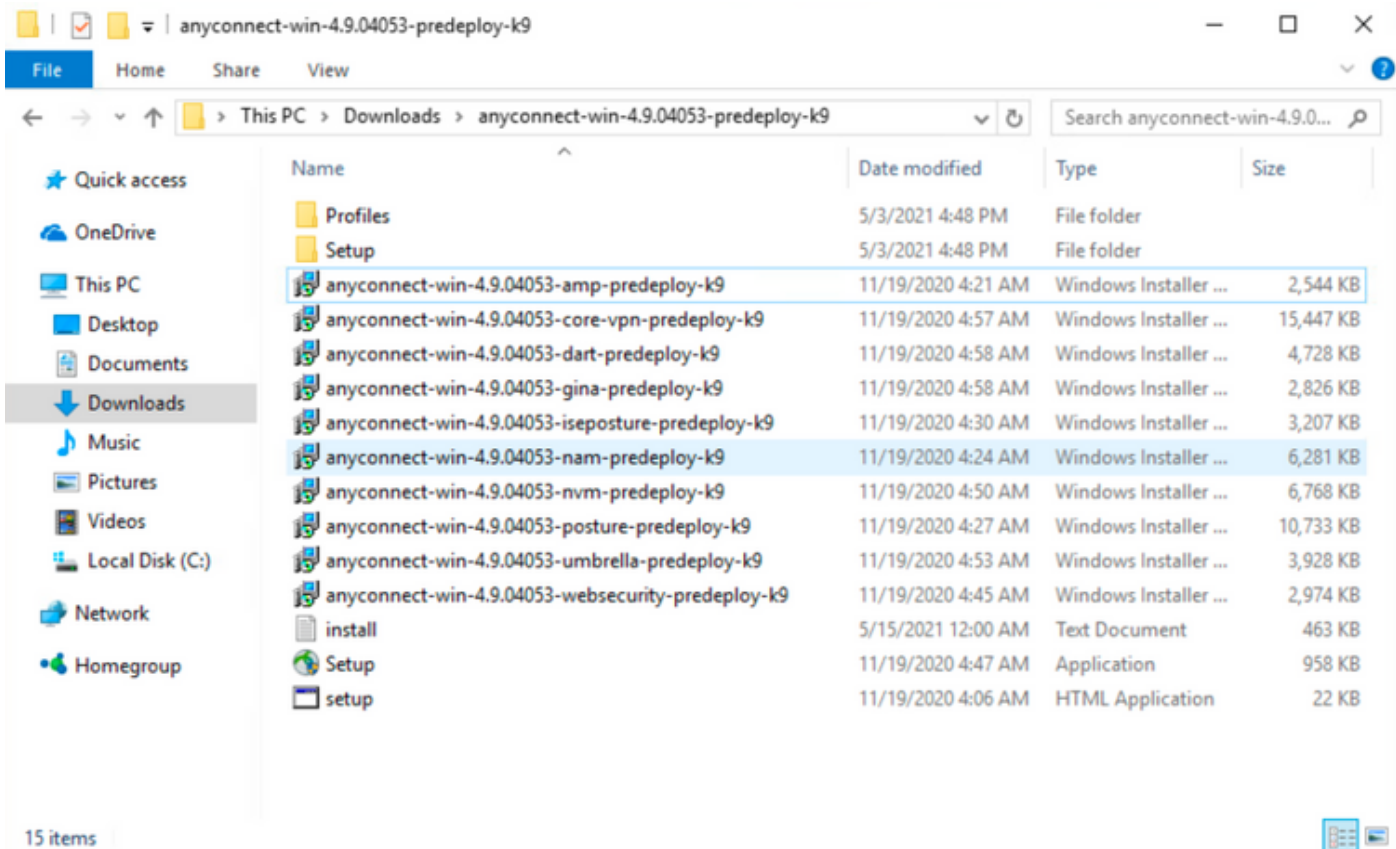
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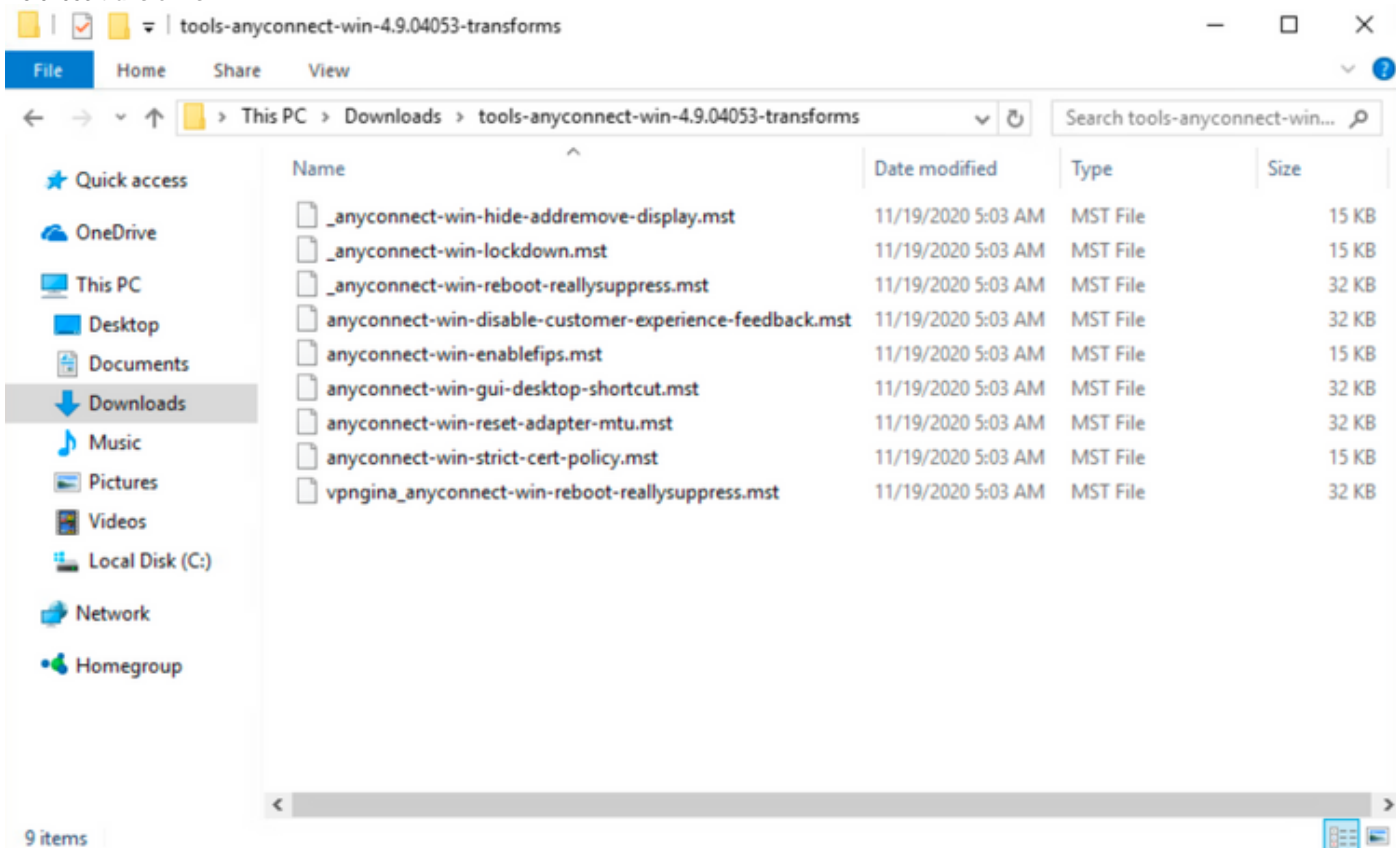
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AnyConnect Headend Deployment Package (Windows) anyconnect-win-4.9.04053-webdeploy-k9.pkg	30-Nov-2020	67.32 MB	↓	🛒
AnyConnect Pre-Deployment Package (Windows 10 ARM64) - includes individual MSI files anyconnect-win-arm64-4.9.04053-predeploy-k9.zip	30-Nov-2020	28.84 MB	↓	🛒
AnyConnect Headend Deployment Package (Windows 10 ARM64) anyconnect-win-arm64-4.9.04053-webdeploy-k9.pkg	30-Nov-2020	36.48 MB	↓	🛒
Profile Editor (Windows) tools-anyconnect-win-4.9.04053-profileeditor-k9.msi	30-Nov-2020	10.61 MB	↓	🛒
AnyConnect Installer Transforms (Windows) tools-anyconnect-win-4.9.04053-transforms.zip	30-Nov-2020	0.05 MB	↓	🛒

Step 3. Unzip the AnyConnect files downloaded into different folders.

Step 3.1 The **anyconnect-win-4.9.04053-predeploy-k9.zip** file is unzipped on the next folder path: **C:\Users\calo\Downloads\anyconnect-win-4.9.04053-predeploy-k9.**

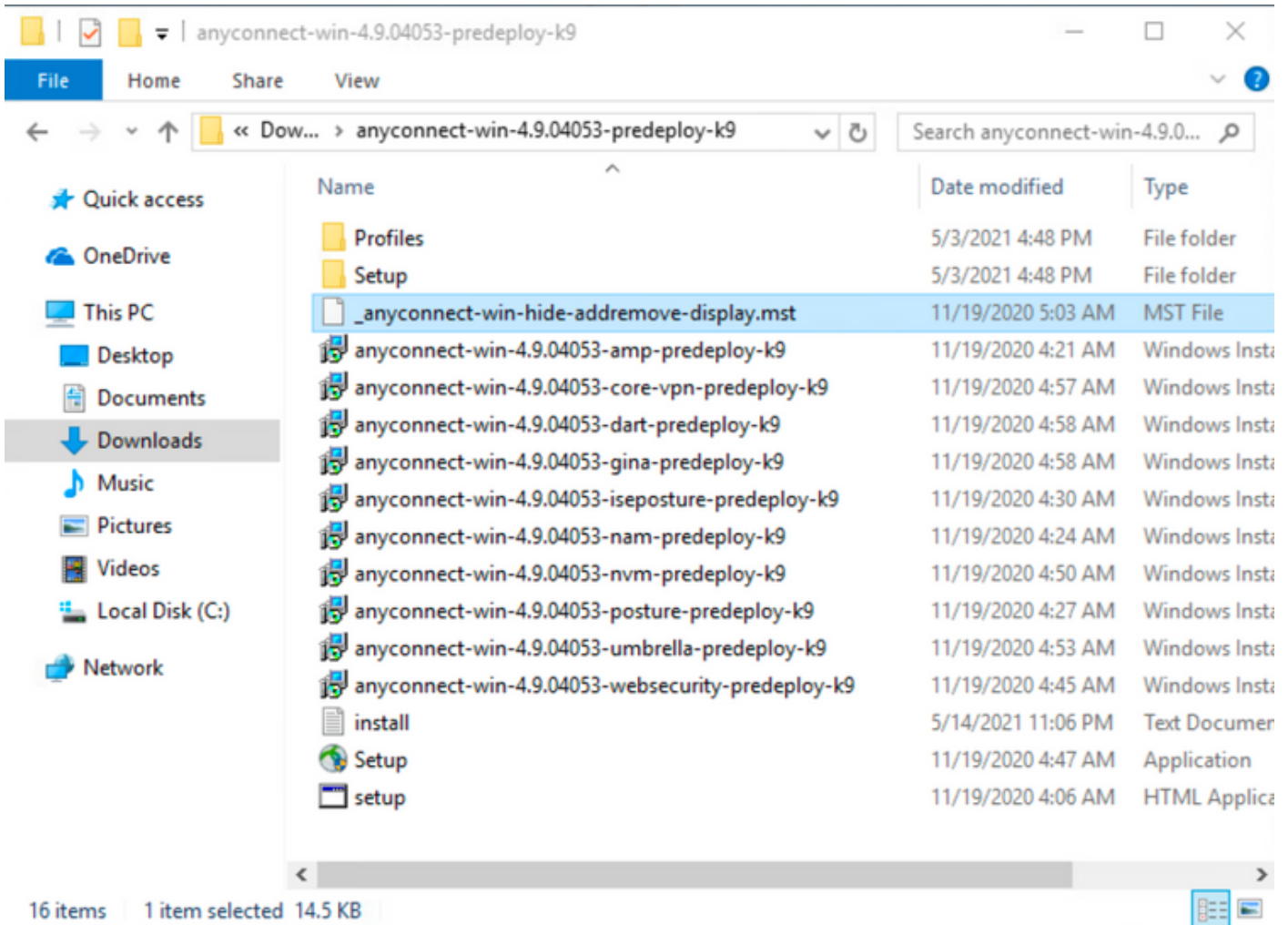


Step 3.2 The **tools-anyconnect-win-4.9.04053-transforms.zip** file is unzipped on the next folder path: **C:\Users\scalo\Downloads\tools-anyconnect-win-4.9.04053-transforms**.



Step 4. Copy and paste the AnyConnect hide-addremove transforms file into the same folder as the AnyConnect MSI installer files.

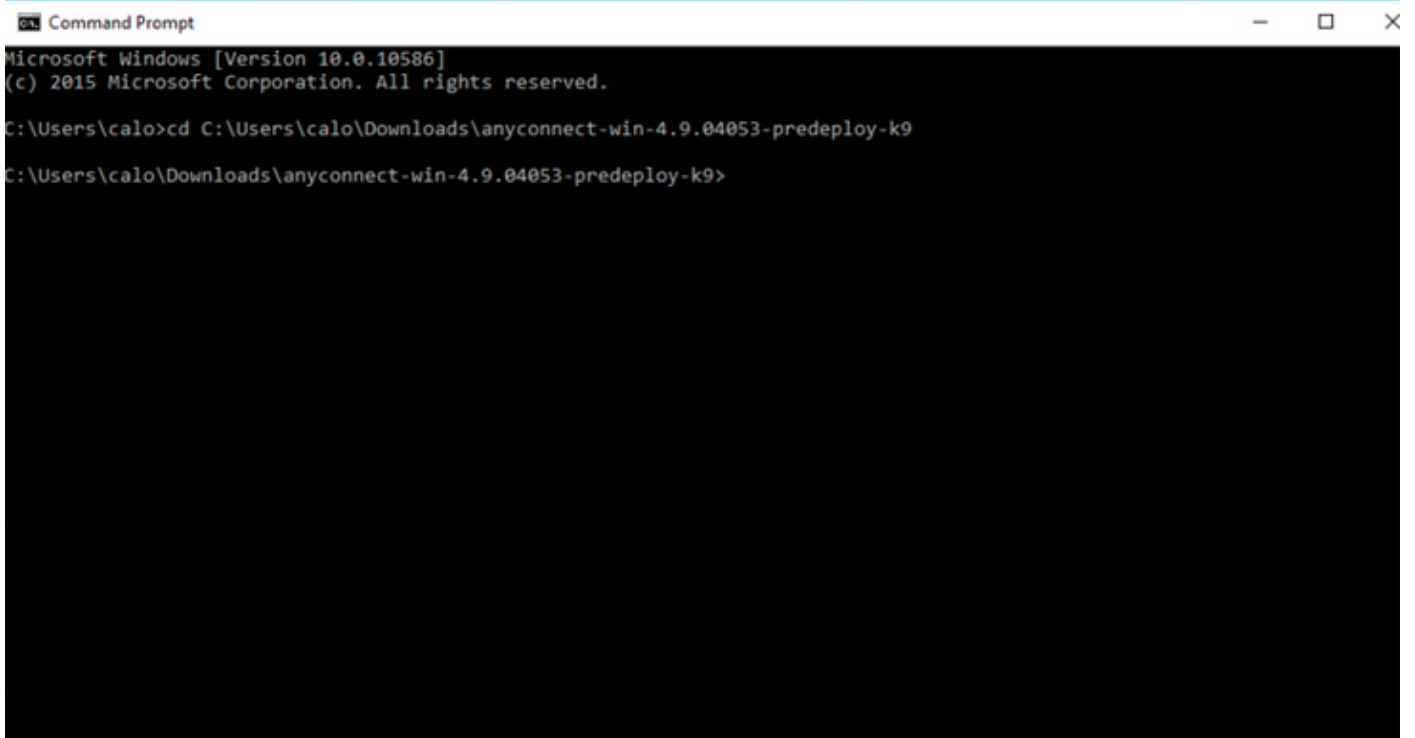
Step 4.1 From the **tools-anyconnect-win-4.9.04053-transforms** folder, copy the **_anyconnect-win-hide-addremove-display.mst** transforms file and pastes it into the **anyconnect-win-4.9.04053-predeploy-k9** folder as follows.



Step 5. CD into the folder path that has the MSI AnyConnect installation files.

Step 5.1 Open a Windows command prompt terminal and cd into the folder path that has the MSI AnyConnect installation files and the **_anyconnect-win-hide-addressremove-display.mst** transforms file copied/pasted in the step above.

This example cd into the next folder path **C:\Users\calo\Downloads\anyconnect-win-4.9.04053-predeploy-k9**.



Step 6. Install the AnyConnect modules with the hide-addressremove transforms file.

Step 6.1 I nstall each of the AnyConnect modules required with the next MSI installer command that points to the AnyConnect .msi module file and the **_anyconnect-win-hide-addressremove-display.mst** transforms file.

```
msiexec -i anyconnect-win-4.9.04053-xxxxxxx-predeploy-k9.msi TRANSFORMS=_anyconnect-win-hide-
```

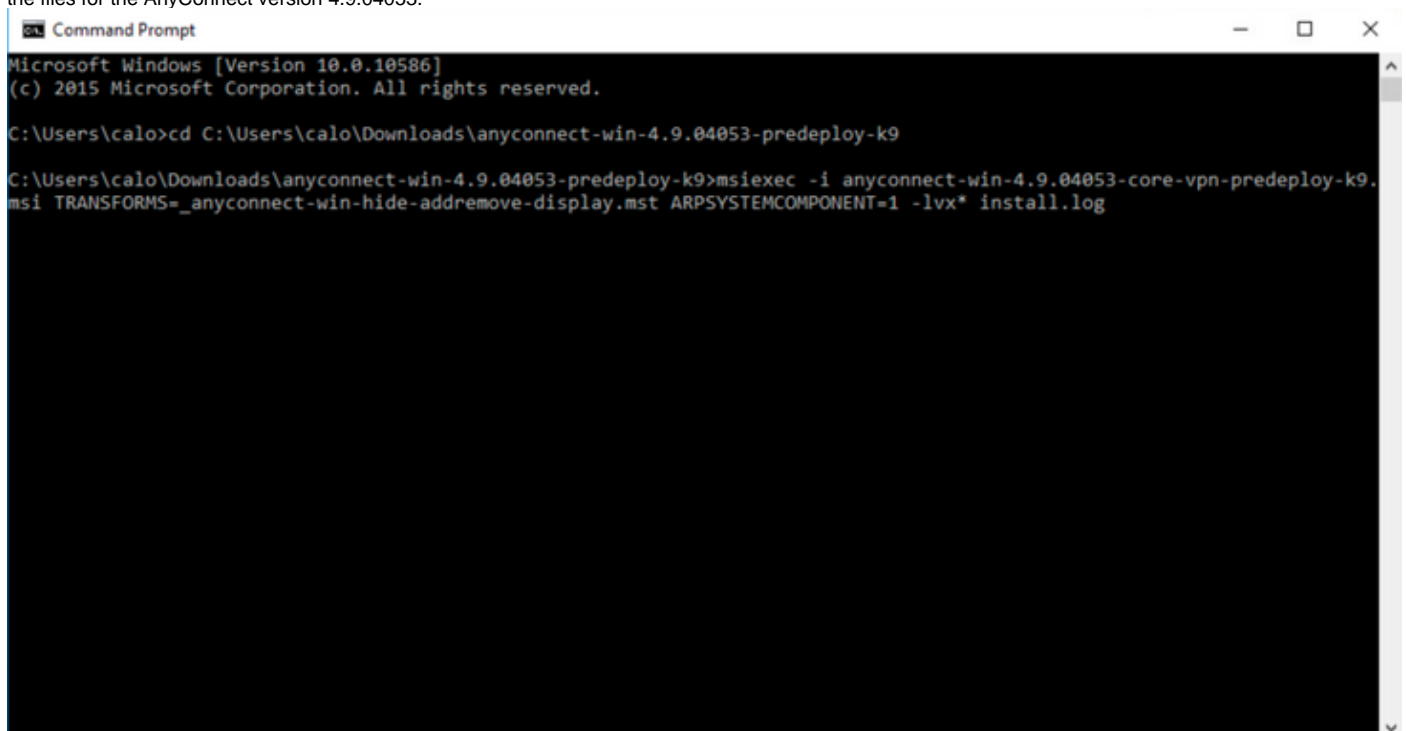
```
addremove-display.mst ARPSYSTEMCOMPONENT=1 -lvx* install.log
```

Note: The ARPSYSTEMCOMPONENT value setup as "1", enables the Hide AnyConnect from the Add/Remove Program List feature for the AnyConnect module to install.

Note: Cisco recommends that you use the sample transforms file provided to set this property, apply the transform to each MSI installer for each module that you want to hide. You can download the sample transforms from the Cisco AnyConnect Secure Mobility Client software download page.

Note: If you deploy the core client plus one or more optional modules, you must apply the HIDE-AnyConnect property to each of the installers. This operation is one way only and cannot be removed unless you re-install the product.

Step 6.2 This example installs the AnyConnect **CORE & VPN** module and the **_anyconnect-win-hide-addremove-display.mst** transforms file, both match the files for the AnyConnect version 4.9.04053.



```
Command Prompt
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\calo>cd C:\Users\calo\Downloads\anyconnect-win-4.9.04053-predeploy-k9

C:\Users\calo\Downloads\anyconnect-win-4.9.04053-predeploy-k9>msiexec -i anyconnect-win-4.9.04053-core-vpn-predeploy-k9.msi TRANSFORMS=_anyconnect-win-hide-addremove-display.mst ARPSYSTEMCOMPONENT=1 -lvx* install.log
```




Welcome to Cisco AnyConnect Secure Mobility Client Setup Wizard

The Setup Wizard will install Cisco AnyConnect Secure Mobility Client on your computer. Click Next to continue or Cancel to exit the Setup Wizard.

< Back

Next >

Cancel

End-User License Agreement

Please read the following license agreement carefully



Supplemental End User License Agreement for AnyConnect® Secure Mobility Client v4.x and other VPN-related Software

IMPORTANT: READ CAREFULLY

This Supplemental End User License Agreement ("SEULA") contains additional terms and conditions for the Software Product licensed under the End User License Agreement ("EULA") between You ("You") and Cisco.

- I accept the terms in the License Agreement
- I do not accept the terms in the License Agreement

< Back

Next >

Cancel

Ready to Install

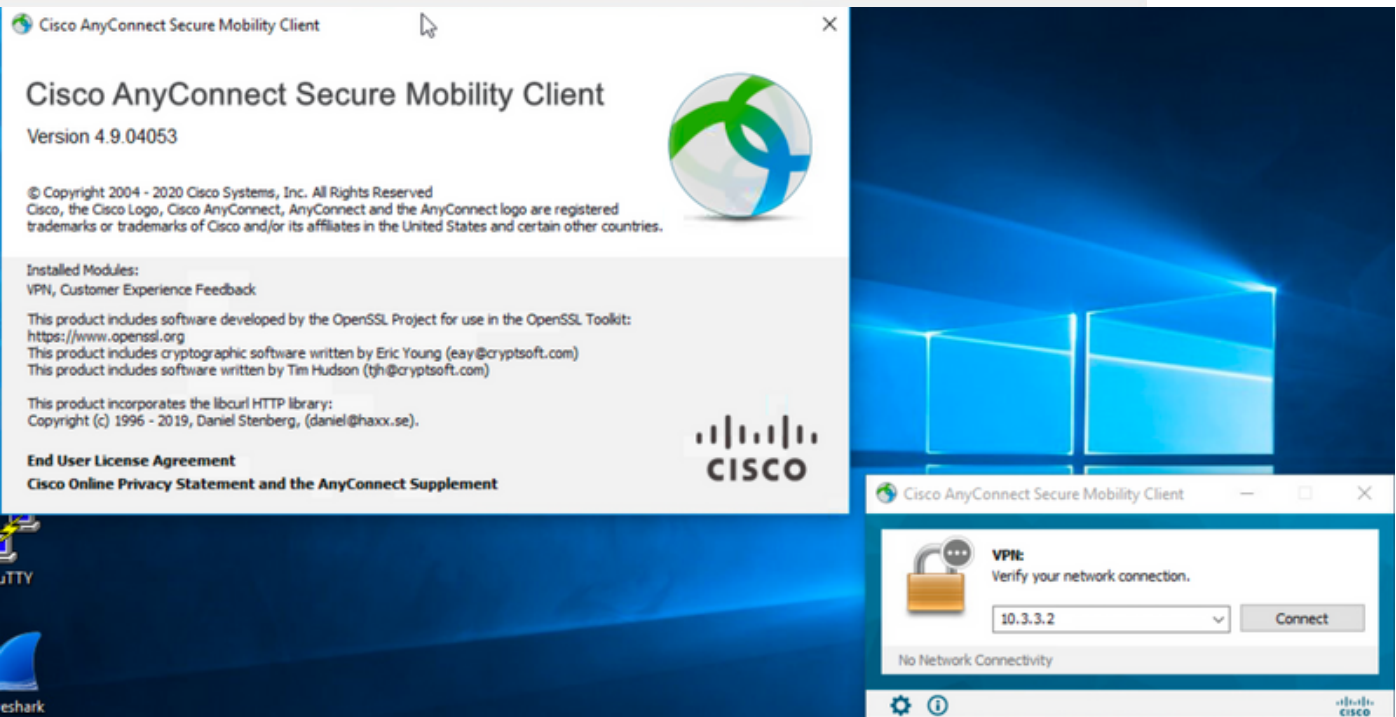
The Setup Wizard is ready to begin the Typical installation



Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.

Advanced Installer

< Back **Install** Cancel



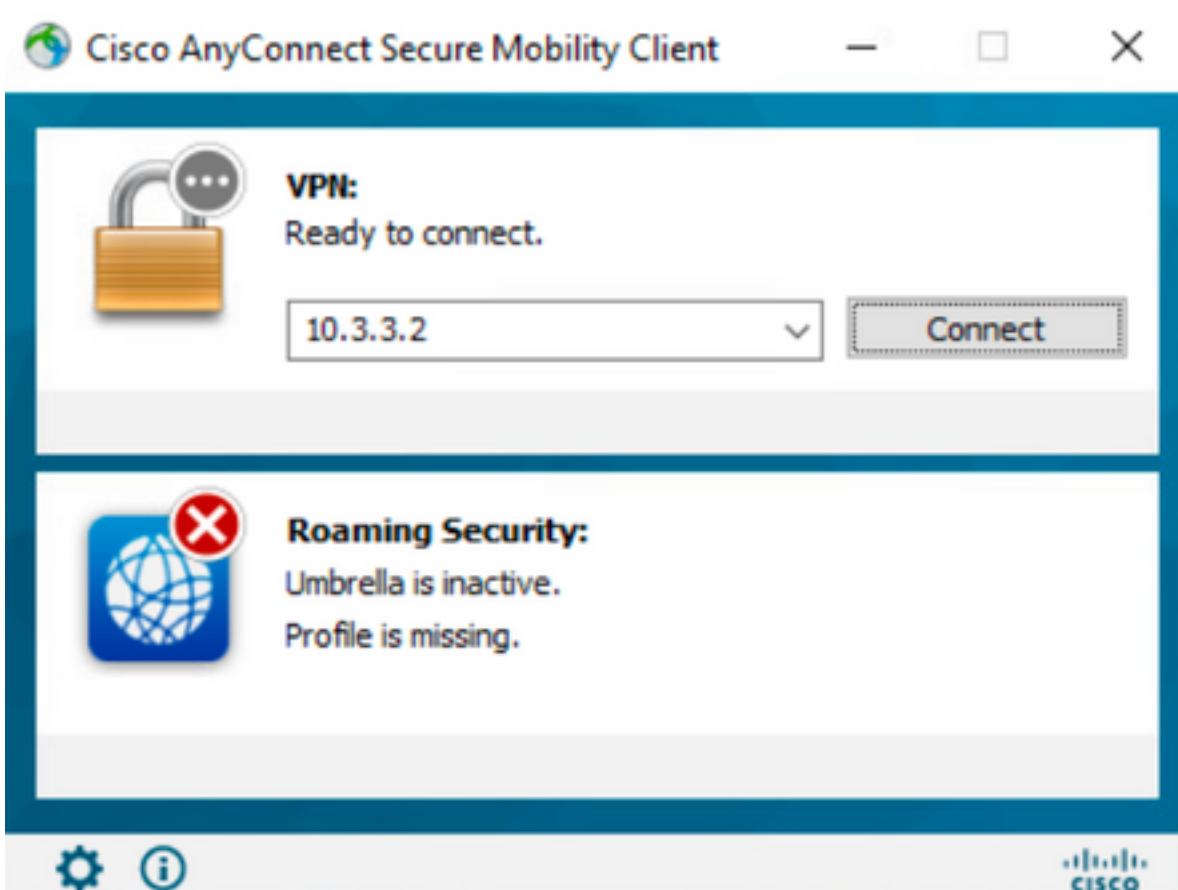
Step 6.3 This example installs the AnyConnect **Umbrella Roaming Security** module and the `_anyconnect-win-hide-addressremove-display.mst` transforms file, both match the files for the AnyConnect version 4.9.04053.

```
msiexec -i anyconnect-win-4.9.04053-umbrella-predeploy-k9.msi TRANSFORMS=_anyconnect-win-hide-addressremove-display.mst ARPSYSTEMCOMPONENT=1 -lvx* install.log
```

```
Command Prompt
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\calo>cd C:\Users\calo\Downloads\anyconnect-win-4.9.04053-predeploy-k9

C:\Users\calo\Downloads\anyconnect-win-4.9.04053-predeploy-k9>msiexec -i anyconnect-win-4.9.04053-umbrella-predeploy-k9.
msi TRANSFORMS=_anyconnect-win-hide-addressremove-display.mst ARPSYSTEMCOMPONENT=1 -lvx* install.log_
```



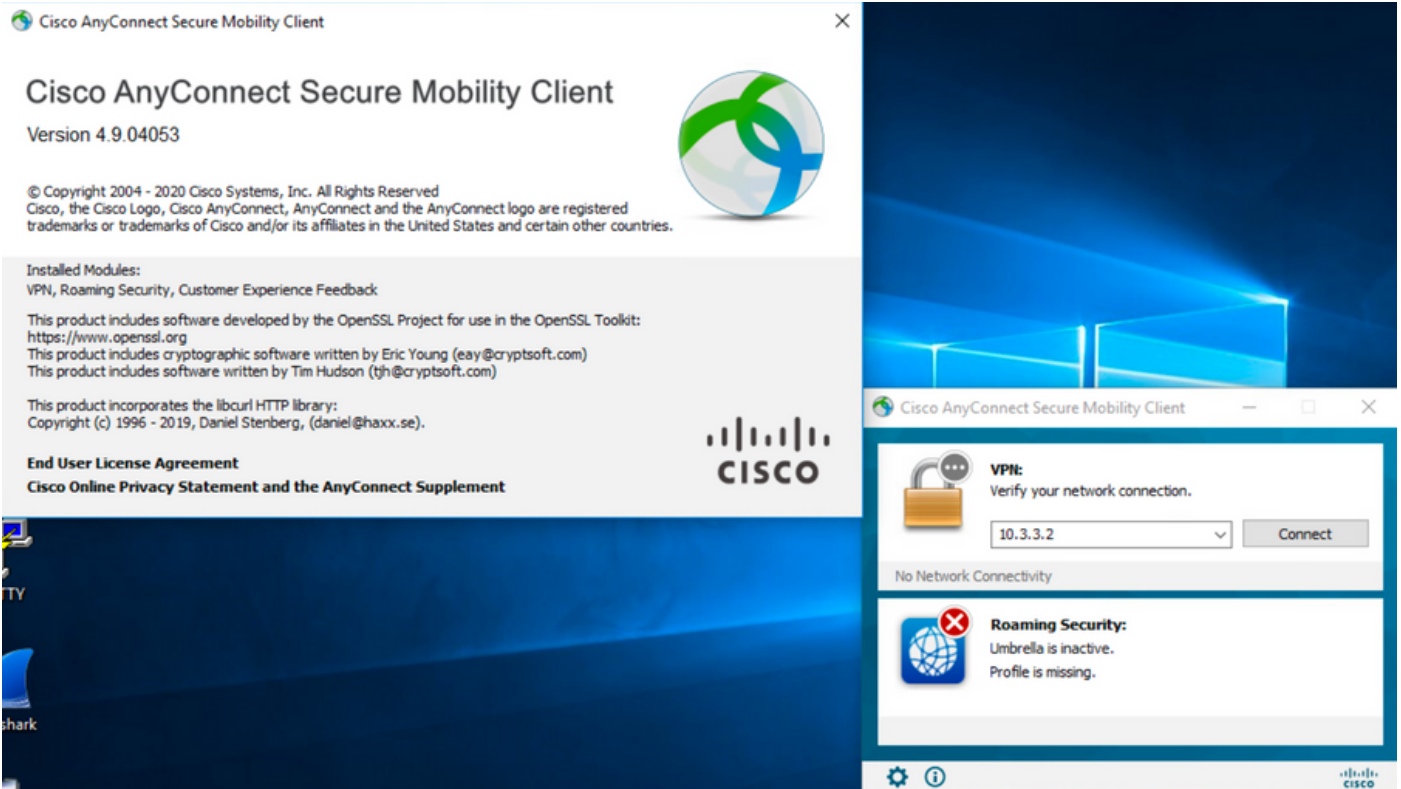
Configure AnyConnect Lockdown and the Hide AnyConnect from the Add/Remove Program List with ASDM

This procedure applies just to AnyConnect web deployment updates. This example considers an AnyConnect web deployment update from version 4.9.04053 to 4.9.0.6037.

Configuration Steps

Step 1. Confirm the AnyConnect version that runs on the Windows machine.

Step 1.1 The Windows machine in this example has the AnyConnect version 4.9.04053 already installed for both the Core & VPN and the Umbrella Roaming Security modules.



Step 2. Download the AnyConnect headend deployment package file for Windows.

Step 2.1 Navigate to the Cisco software download page and download the AnyConnect headend deployment package file version to install on the Windows machine for the web deployment update.

For this example, download the Windows AnyConnect headend deployment package version 4.9.06037 (**anyconnect-win-4.9.06037-webdeploy-k9.pkg**).

Software Download

Downloads Home / Security / VPN and Endpoint Security Clients / Cisco VPN Clients / AnyConnect Secure Mobility Client / AnyConnect Secure Mobility Client v4.x / AnyConnect VPN Client Software- 4.9.06037

Expand All Collapse All

Latest Release

4.10.00093

4.9.06037

All Release

Translations

ISEComplianceModule

AppSelector-2.0

Hostscan

Android

4.10

NVM

4.9

4.9.06037

4.9.05042

4.9.04053

AnyConnect Secure Mobility Client v4.x

Release 4.9.06037

★☆☆☆☆ (25) Read reviews

🔔 My Notifications

Related Links and Documentation

[AnyConnect Ordering Guide](#)

[Release Notes for 4.9.06037](#)

[Licensing FAQ](#)

⚠️ AnyConnect 4.9 is available to customers with active AnyConnect Apex, Plus or VPN Only term/contracts. See the [AnyConnect Ordering Guide](#) for options. [Software Download problems?](#)

File Information	Release Date	Size	Download	Add to Cart	File Icon
AnyConnect Pre-Deployment Package (Linux 64-bit) anyconnect-linux64-4.9.06037-predeploy-k9.tar.gz	05-Feb-2021	26.18 MB	↓	🛒	📄
Application Programming Interface [API] (Linux 64-bit) anyconnect-linux64-4.9.06037-vpnapi.tar.gz	05-Feb-2021	6.84 MB	↓	🛒	📄
AnyConnect Headend Deployment Package (Linux 64-bit) anyconnect-linux64-4.9.06037-webdeploy-k9.pkg	05-Feb-2021	35.58 MB	↓	🛒	📄
AnyConnect Pre-Deployment Package (Mac OS) anyconnect-macos-4.9.06037-predeploy-k9.dmg	05-Feb-2021	42.32 MB	↓	🛒	📄
Application Programming Interface [API] (Mac OS) anyconnect-macos-4.9.06037-vpnapi.tar.gz	05-Feb-2021	34.49 MB	↓	🛒	📄
AnyConnect Headend Deployment Package (Mac OS) anyconnect-macos-4.9.06037-webdeploy-k9.pkg	05-Feb-2021	58.21 MB	↓	🛒	📄
Language localization transform Pre-Deployment (Windows) anyconnect-win-4.9.06037-core-vpn-lang-predeploy-k9.zip	05-Feb-2021	0.63 MB	↓	🛒	📄
Language localization transform Headend Deployment (Windows) anyconnect-win-4.9.06037-core-vpn-lang-webdeploy-k9.zip	05-Feb-2021	0.63 MB	↓	🛒	📄
AnyConnect Pre-Deployment Package (Windows) - includes individual MSI files anyconnect-win-4.9.06037-predeploy-k9.zip	05-Feb-2021	65.80 MB	↓	🛒	📄
Application Programming Interface [API] (Windows) anyconnect-win-4.9.06037-vpnapi.zip	05-Feb-2021	141.65 MB	↓	🛒	📄
AnyConnect Headend Deployment Package (Windows) anyconnect-win-4.9.06037-webdeploy-k9.pkg	05-Feb-2021	76.37 MB	↓	🛒	📄

Step 3. Download the AnyConnect installer transforms file for Windows.

Step 3.1 Navigate to the Cisco software download page and download the AnyConnect Installer transforms file for Windows that matches the same AnyConnect version to install in the windows machine.

For this example, download the transforms file for the AnyConnect version 4.9.06037 (**tools-anyconnect-win-4.9.06037-transforms.zip**).

4.9.06037

All Release

Translations

ISEComplianceModule

AppSelector-2.0

Hostscan

Android

4.10

NVM

4.9

4.9.06037

4.9.05042

4.9.04053

AnyConnect 4.9 is available to customers with active AnyConnect Apex, Plus or VPN Only term/contracts. See the AnyConnect Ordering Guide for options. [Software Download problems?](#)

File Information	Release Date	Size	
AnyConnect Pre-Deployment Package (Linux 64-bit) anyconnect-linux64-4.9.06037-predeploy-k9.tar.gz	05-Feb-2021	26.18 MB	↓ 🛒 📄
Application Programming Interface [API] (Linux 64-bit) anyconnect-linux64-4.9.06037-vpnapi.tar.gz	05-Feb-2021	6.84 MB	↓ 🛒 📄
AnyConnect Headend Deployment Package (Linux 64-bit) anyconnect-linux64-4.9.06037-webdeploy-k9.pkg	05-Feb-2021	35.58 MB	↓ 🛒 📄
AnyConnect Pre-Deployment Package (Mac OS) anyconnect-macos-4.9.06037-predeploy-k9.dmg	05-Feb-2021	42.32 MB	↓ 🛒 📄
Application Programming Interface [API] (Mac OS) anyconnect-macos-4.9.06037-vpnapi.tar.gz	05-Feb-2021	34.49 MB	↓ 🛒 📄
AnyConnect Headend Deployment Package (Mac OS) anyconnect-macos-4.9.06037-webdeploy-k9.pkg	05-Feb-2021	58.21 MB	↓ 🛒 📄
Language localization transform Pre-Deployment (Windows) anyconnect-win-4.9.06037-core-vpn-lang-predeploy-k9.zip	05-Feb-2021	0.63 MB	↓ 🛒 📄
Language localization transform Headend Deployment (Windows) anyconnect-win-4.9.06037-core-vpn-lang-webdeploy-k9.zip	05-Feb-2021	0.63 MB	↓ 🛒 📄
AnyConnect Pre-Deployment Package (Windows) - includes individual MSI files anyconnect-win-4.9.06037-predeploy-k9.zip	05-Feb-2021	65.80 MB	↓ 🛒 📄
Application Programming Interface [API] (Windows) anyconnect-win-4.9.06037-vpnapi.zip	05-Feb-2021	141.65 MB	↓ 🛒 📄
AnyConnect Headend Deployment Package (Windows) anyconnect-win-4.9.06037-webdeploy-k9.pkg	05-Feb-2021	76.37 MB	↓ 🛒 📄
AnyConnect Pre-Deployment Package (Windows 10 ARM64) - includes individual MSI files anyconnect-win-arm64-4.9.06037-predeploy-k9.zip	05-Feb-2021	34.13 MB	↓ 🛒 📄
AnyConnect Headend Deployment Package (Windows 10 ARM64) anyconnect-win-arm64-4.9.06037-webdeploy-k9.pkg	05-Feb-2021	43.83 MB	↓ 🛒 📄
Profile Editor (Windows) tools-anyconnect-win-4.9.06037-profileeditor-k9.msi	05-Feb-2021	10.61 MB	↓ 🛒 📄
AnyConnect Installer Transforms (Windows) tools-anyconnect-win-4.9.06037-transforms.zip	05-Feb-2021	0.05 MB	↓ 🛒 📄

Step 4. Unzip the AnyConnect transforms file downloaded.

Step 4.1 The **tools-anyconnect-win-4.9.06037-transforms.zip** file is unzipped on the next folder path: **C:\Users\calo\Downloads\tools-anyconnect-win-4.9.06037-transforms**.

tools-anyconnect-win-4.9.06037-transforms

File Home Share View

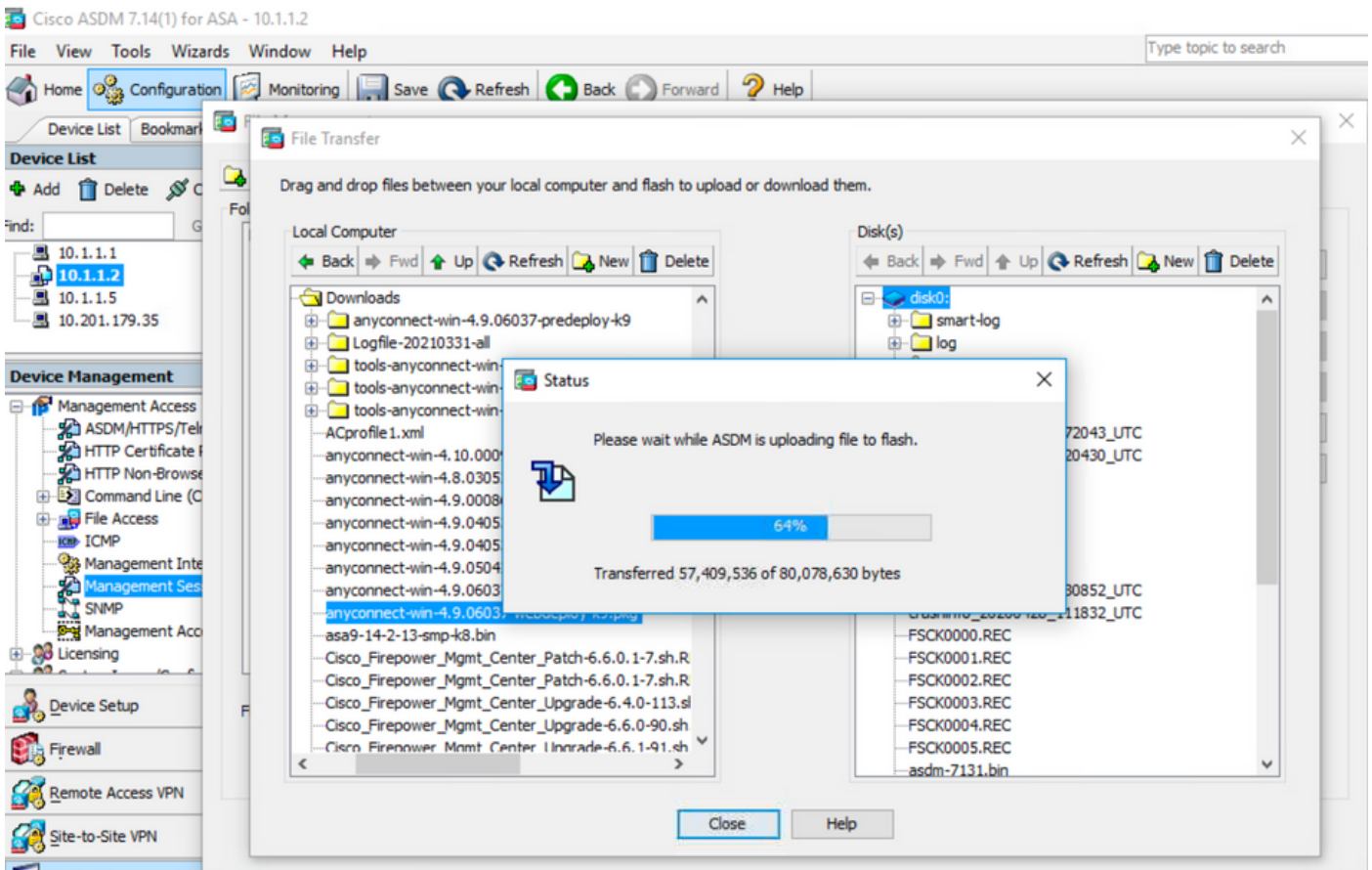
← → ↶ ↷ ⌵ ⌶ > This PC > Downloads > tools-anyconnect-win-4.9.06037-transforms

Name	Date modified	Type	Size
_anyconnect-win-hide-addressremove-display.mst	4/19/2021 6:06 PM	MST File	14 KB
_anyconnect-win-lockdown.mst	4/19/2021 6:06 PM	MST File	14 KB
_anyconnect-win-reboot-reallysuppress.mst	4/19/2021 6:06 PM	MST File	32 KB
anyconnect-win-disable-customer-experience-feedback.mst	4/19/2021 6:06 PM	MST File	32 KB
anyconnect-win-enablefips.mst	4/19/2021 6:06 PM	MST File	14 KB
anyconnect-win-gui-desktop-shortcut.mst	4/19/2021 6:06 PM	MST File	32 KB
anyconnect-win-reset-adapter-mtu.mst	4/19/2021 6:06 PM	MST File	32 KB
anyconnect-win-strict-cert-policy.mst	4/19/2021 6:06 PM	MST File	14 KB
vpngina_anyconnect-win-reboot-reallysuppress.mst	4/19/2021 6:06 PM	MST File	32 KB

Step 5. Open the ASDM and connect to the ASA with your credentials.

Step 6. Transfer the AnyConnect headend deployment package from your PC to the ASA flash memory.

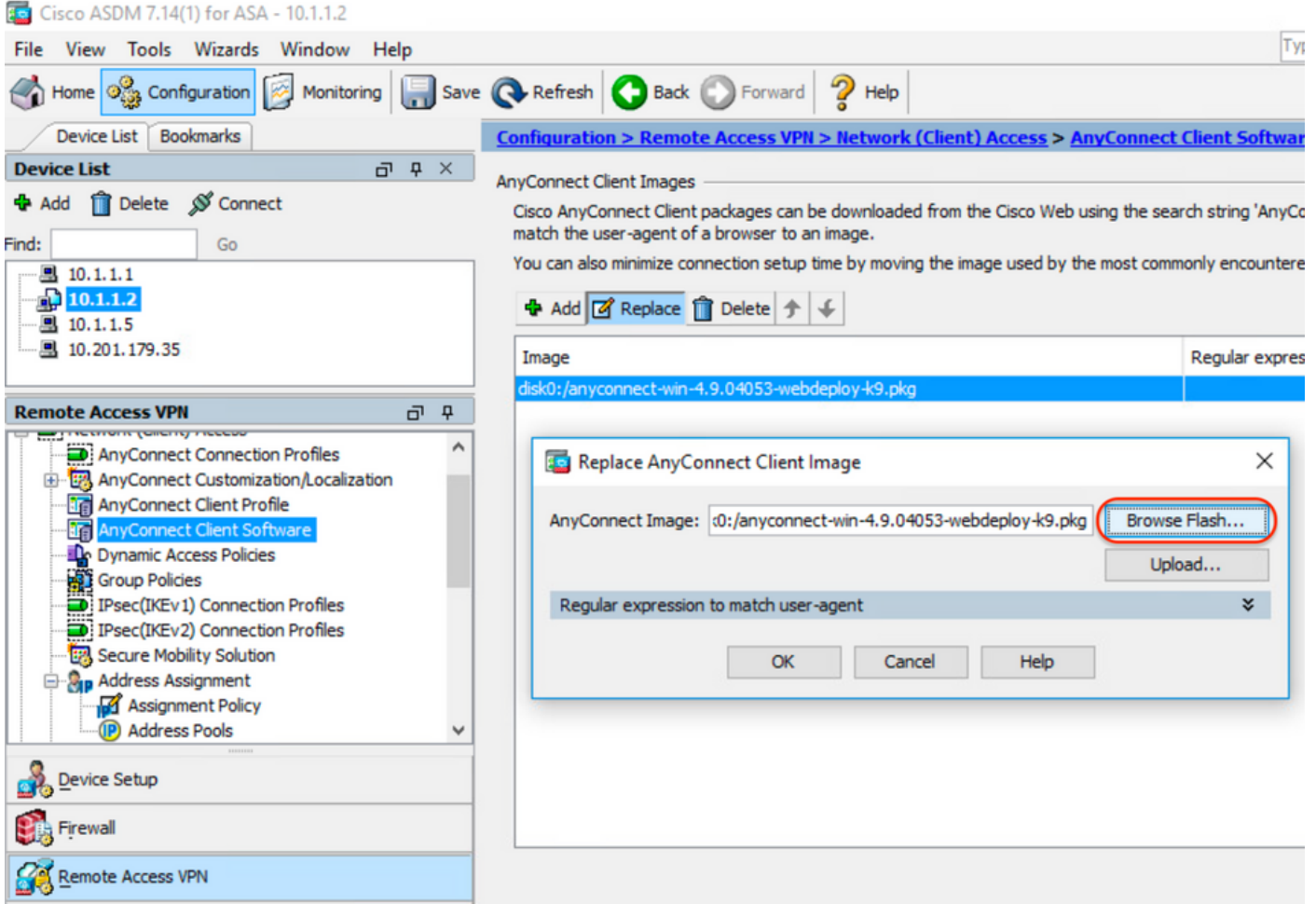
Step 6.1 Navigate to **Tools > File Management > File Transfer > Between Local PC and Flash** and transfer the AnyConnect headend deployment package version 4.9.06037 (**anyconnect-win-4.9.06037-webdeploy-k9.pkg**) to the ASA flash memory.



Step 7. Configure the transferred AnyConnect headend deployment package version for the web deployment update.

Step 7.1 Navigate to the ASDM **Configuration > Remote Access VPN > Anyconnect Client Software** and select the AnyConnect headend deployment package version 4.9.04053 installed.

Step 7.2 Then, select **Replace** and **Browse Flash** to replace the old AnyConnect headend deployment package version 4.9.04053 with the 4.9.06037 previously transferred to the flash memory.



Browse Flash



Folders

- [-] disk0:
 - [+] smart-log
 - [+] log
 - [+] coredumpinfo
 - [+] snmp

Files

FileName	Size (bytes)	Date Modified
anyconnect-win-4.9.04...	70,592,901	02/04/21 20:00:18
anyconnect-win-4.9.06...	80,078,630	05/18/21 19:20:16
asa9-12-2-smp-k8.bin	102,703,104	10/24/19 15:52:58
asa9-12-4-7-smp-k8.bin	102,813,696	11/18/20 10:49:20
asa9-13-1-12-smp-k8.bin	103,882,752	08/18/20 19:46:36
asa9-13-1-smp-k8.bin	103,827,456	08/18/20 19:24:38
asa9-14-1-19-smp-k8.bin	105,062,400	08/18/20 19:47:40
asa9-14-1-smp-k8.bin	105,172,992	08/18/20 19:47:10
asa9-14-2-13-smp-k8.bin	109,541,376	03/29/21 18:51:56
asa9101-smp-k8.bin	115,605,504	10/24/19 15:16:22
asa982-15-smp-k8.bin	108,840,960	11/18/20 11:04:44
asdm-7131-101.bin	34,030,612	08/18/20 19:17:58
asdm-7131.bin	34,033,084	08/18/20 19:17:36
asdm-7141-46.bin	35,743,132	08/18/20 19:18:30
asdm-7141-48.bin	35,744,052	08/18/20 19:18:42

File Name: anyconnect-win-4.9.06037-webdeploy-k9.pkg

Step 7.3 Apply the configuration changes and Send them to the ASA.

Cisco ASDM 7.14(1) for ASA - 10.1.1.2

File View Tools Wizards Window Help

Home Configuration Monitoring Save Refresh Back Forward Help

Configuration > Remote Access VPN > Network (Client) Access > AnyConnect Client Software

AnyConnect Client Images

Cisco AnyConnect Client packages can be downloaded from the Cisco Web using the search string 'AnyConnect VPN Client'. The regular expression is used to match the user-agent of a browser to an image.

You can also minimize connection setup time by moving the image used by the most commonly encountered operation system to the top of the list.

Image	Regular expression to match user-agent
disk0:/anyconnect-win-4.9.06037-webdeploy-k9.pkg	

Apply Reset

The following CLI commands are generated based on the changes you made in ASDM. To send the commands to the ASA, click Send. To not send the commands and continue making changes in ASDM, click Cancel.

```
webvpn
no anyconnect image disk0:/anyconnect-win-4.9.04053-webdeploy-k9.pkg 1
anyconnect image disk0:/anyconnect-win-4.9.06037-webdeploy-k9.pkg 1
```

Send

Cancel

Save To File...

Step 8. Import the AnyConnect sample transforms files.

Step 8.1 Navigate to the ASDM **Configuration > Remote Access VPN > Customized Installer Transforms > Import** and import the sample transforms files required.

Step 8.2 Import the AnyConnect version 4.9.06037 **_anyconnect-win-lockdown.mst** sample transforms file to enable the lockdown for both, the **CORE & VPN** and the **Umbrella Roaming Security** modules.

Enter the values as follows:

Name: **_anyconnect-lockdown**

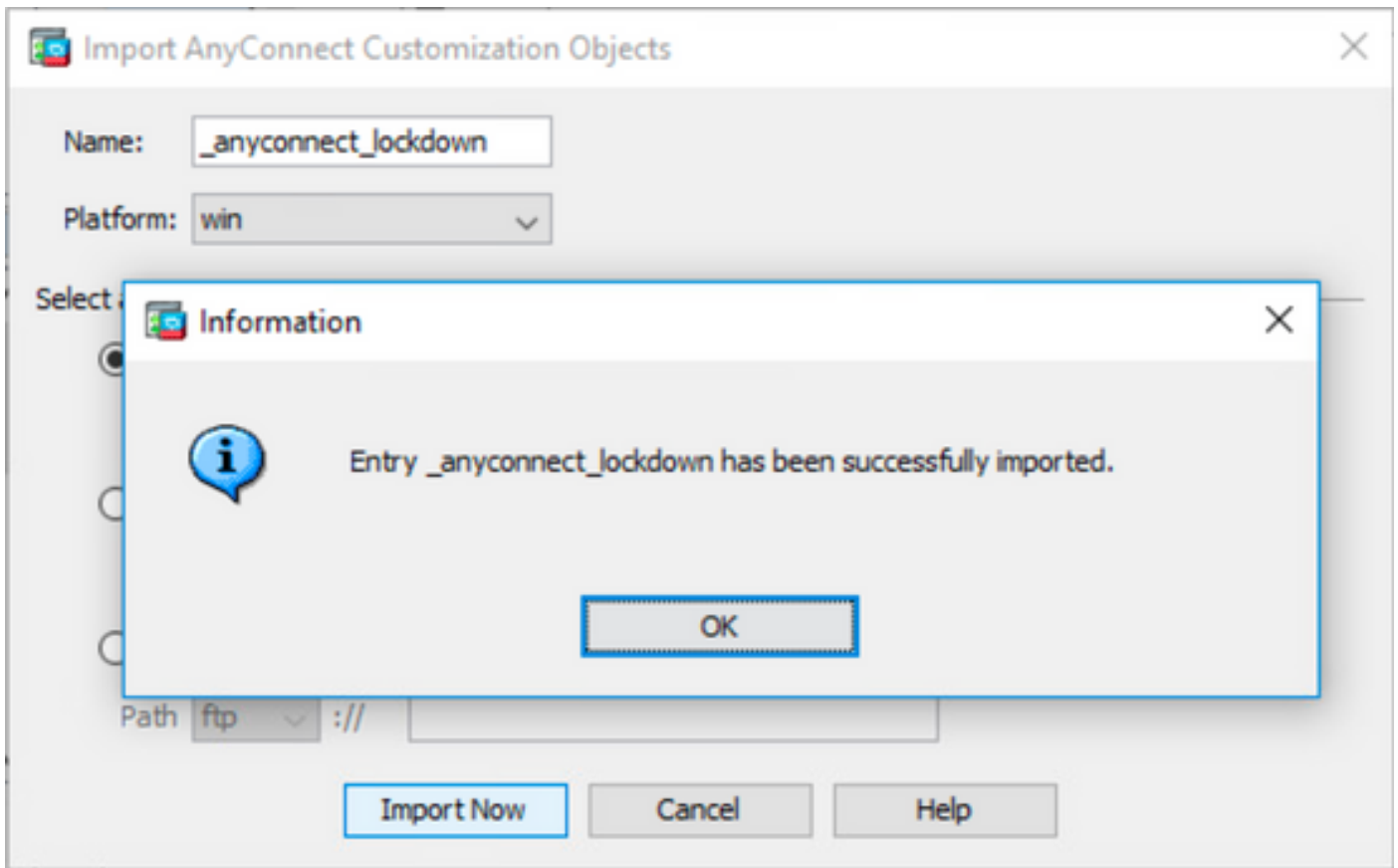
Platform: **win**

Select a file - Local computer: **C:\Users\calo\Downloads\tools-anyconnect-win-4.9.06037-transforms_anyconnect-win-lockdown.mst**

The screenshot shows the Cisco ASDM interface with the 'Import AnyConnect Customization Objects' dialog box open. The dialog box contains the following information:

- Name:**
- Platform:**
- Select a file:**
 - Local computer
 - Path:
 - Flash file system
 - Path:
 - Remote server
 - Path:

Buttons at the bottom of the dialog include , , and . In the background, the ASDM interface shows the navigation tree with 'Remote Access VPN > Customized Installer Transforms' selected.



Note: The AnyConnect `_anyconnect-win-lockdown.mst` sample transforms file works for whatever AnyConnect module required.

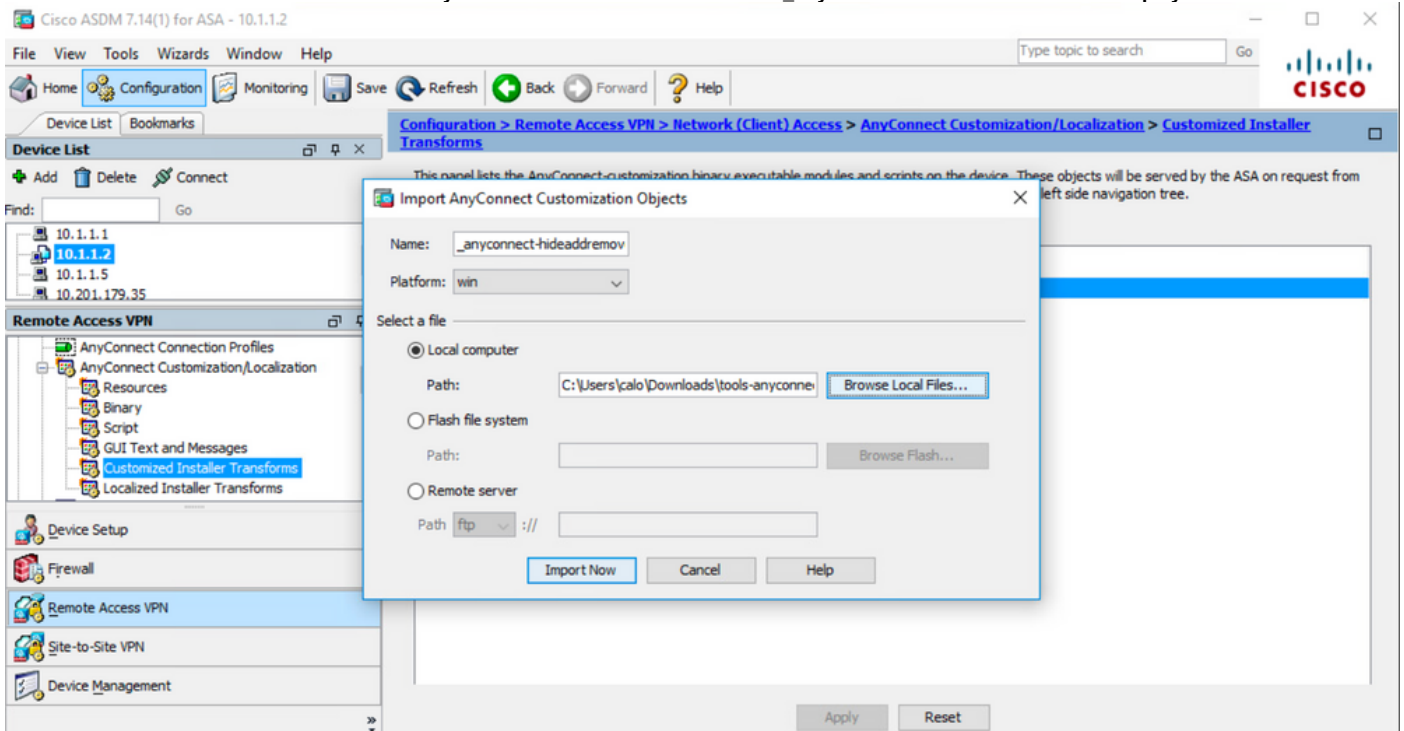
Step 8.3 Import the AnyConnect version 4.9.06037 `_anyconnect-win-hide-addressremove-display.mst` sample transforms file to enable the hide from the add/remove program list for both, the **CORE & VPN** and the **Umbrella Roaming Security** modules.

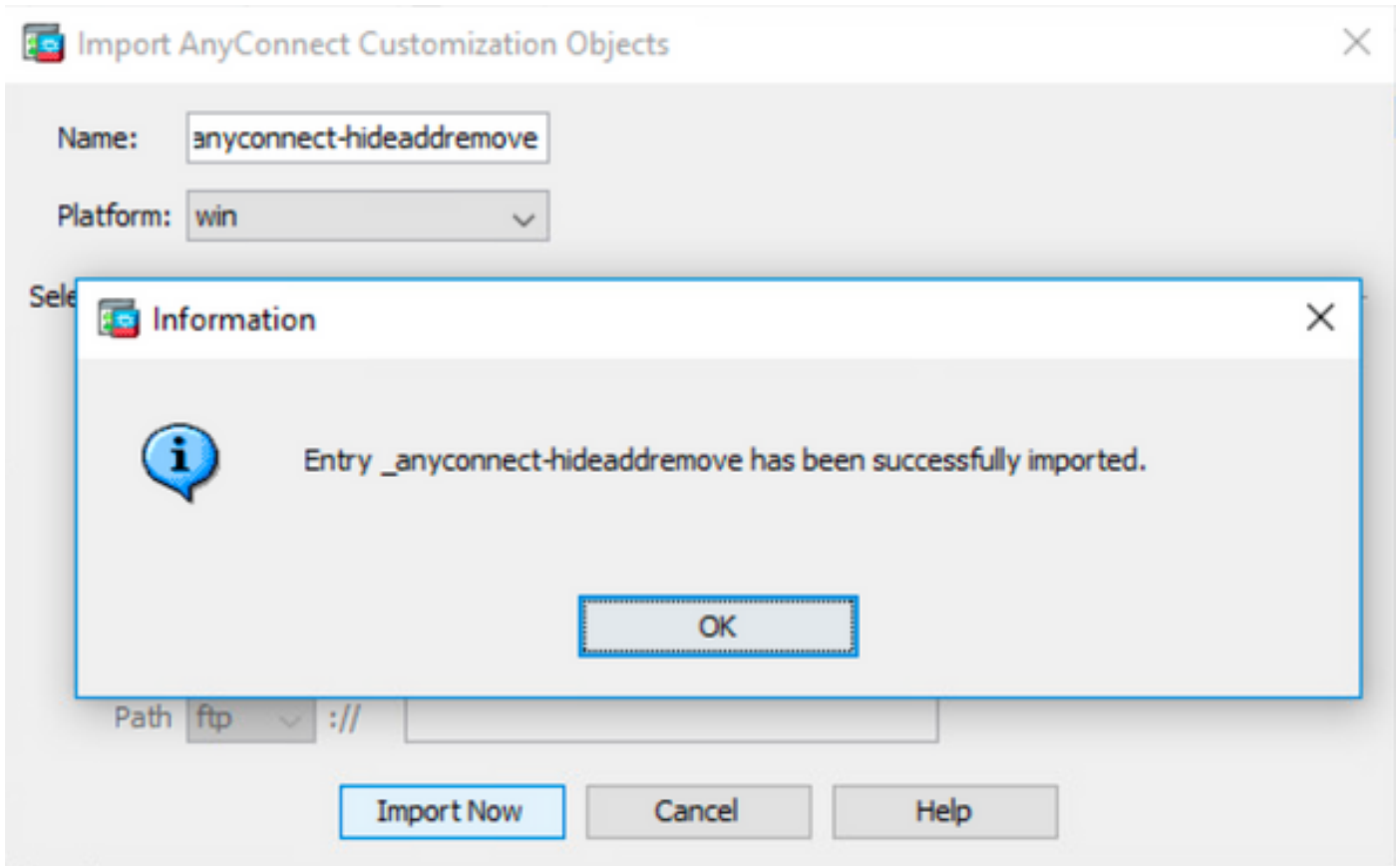
Enter the values as follows:

Name: `_anyconnect-hideaddressremove`

Platform: `win`

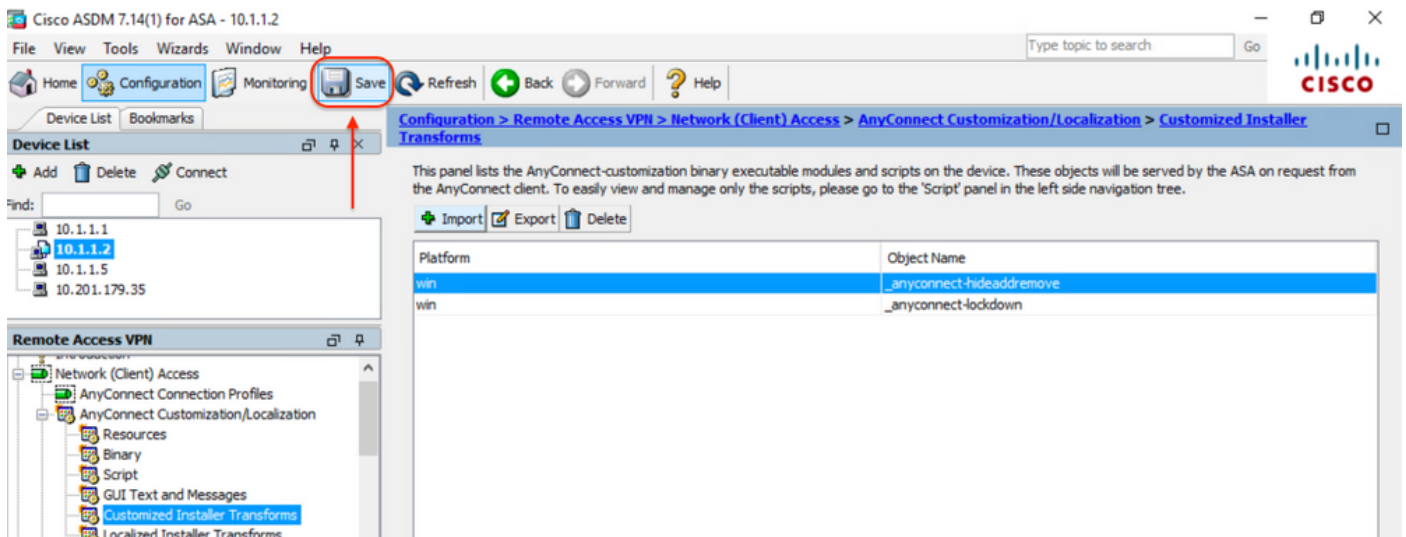
Select a file: `C:\Users\calo\Downloads\tools-anyconnect-win-4.9.06037-transforms_anyconnect-win-hide-addressremove-display.mst`

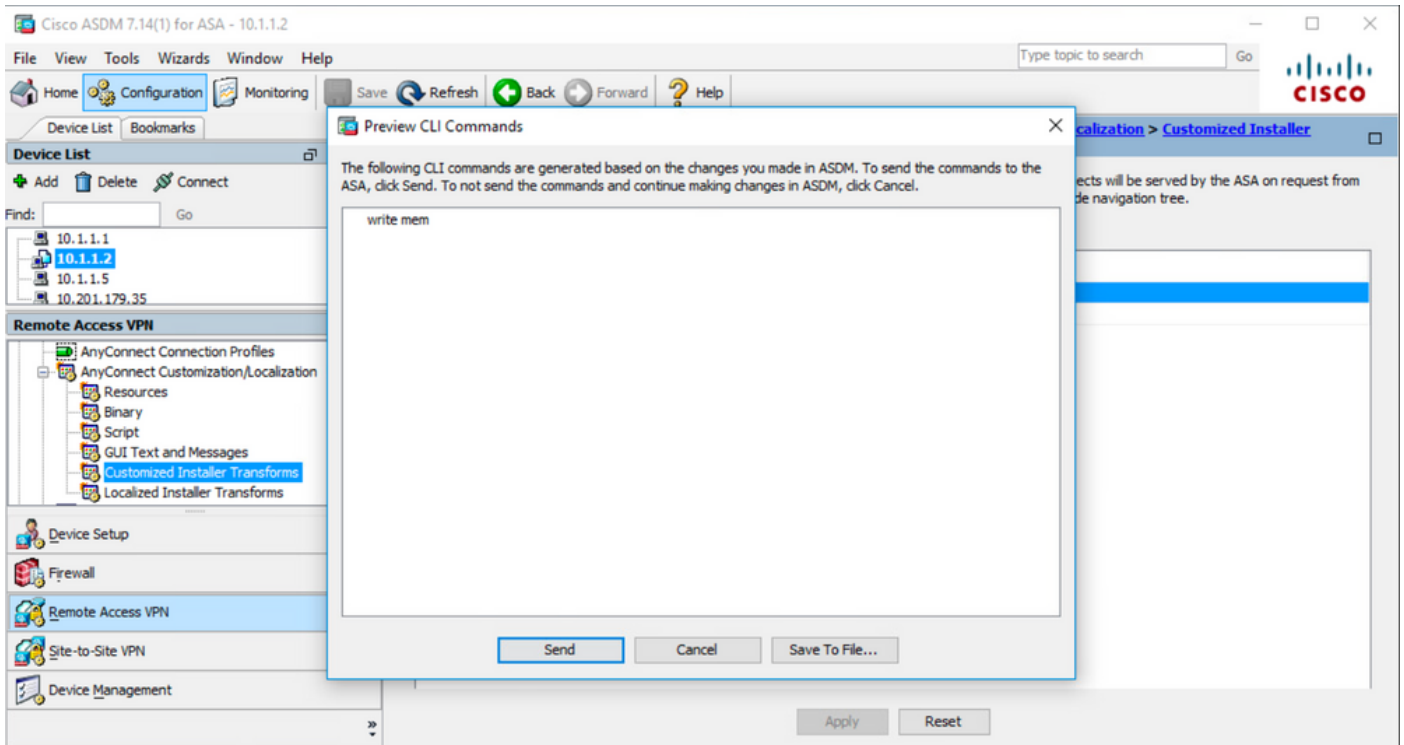




Note: The `_anyconnect-win-hide-address-remove-display.msts` sample transforms file works for whatever AnyConnect module required.

Step 8.4 **Save** the configuration changes and **Send** them to the ASA.





Note: By the time this article was written, the name used to import the sample transforms files must have an underscore "_" at the start of the name, this forces the sample transforms imported to work for whatever AnyConnect module. If you use a different name without an underscore at the start of the name, then, the sample transforms imported works just for the CORE & VPN Anyconnect module ([CSCvy38427](#)).

Step 9. AnyConnect web deployment auto-update.

Step 9.1 Force the AnyConnect web deployment auto-update to happen for the **CORE & VPN** and the **Umbrella Roaming Security** modules.

Here the ASA AnyConnect configuration in place in order to allow the CORE & VPN and the Umbrella Roaming Security modules to get auto-updated:

```
webvpn enable outside anyconnect image disk0:/anyconnect-win-4.9.06037-webdeploy-k9.pkg 1
anyconnect enable tunnel-group-list enable group-policy ANYCONNECT_GP1 internal group-policy
ANYCONNECT_GP1 attributes vpn-tunnel-protocol ssl-client ssl-clientless split-tunnel-policy
tunnelspecified split-tunnel-network-list value SPLIT_TUNNEL1 webvpn anyconnect modules value
umbrella tunnel-group MY_TUNNEL1 type remote-access tunnel-group MY_TUNNEL1 general-attributes
address-pool VPN_POOL1 default-group-policy ANYCONNECT_GP1 tunnel-group MY_TUNNEL1 webvpn-
attributes group-alias SSL_TUNNEL1 enable
```

Step 9.2 Start a connection to the ASA headend from the AnyConnect client that runs version 4.9.04053 on the Windows machine.



VPN:

Exiting. Upgrade in progress.

10.3.3.2

Connect



Roaming Security:

Umbrella is inactive.

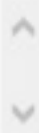
Profile is missing.



AnyConnect Secure Mobility Client Downloader



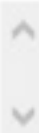
The AnyConnect Downloader is installing AnyConnect Secure Mobility Client 4.9.06037. Please wait...



AnyConnect Secure Mobility Client Downloader



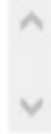
The AnyConnect Downloader is installing AnyConnect Umbrella Roaming Security 4.9.06037. Please wait...



AnyConnect Secure Mobility Client Downloader



Please wait while the VPN connection is established...



Step 9.3 After this, the AnyConnect **Core & VPN** and the **Umbrella Roaming Security** modules are updated to version 4.9.06037 with the lockdown and the hide from the add/remove program list features enabled.

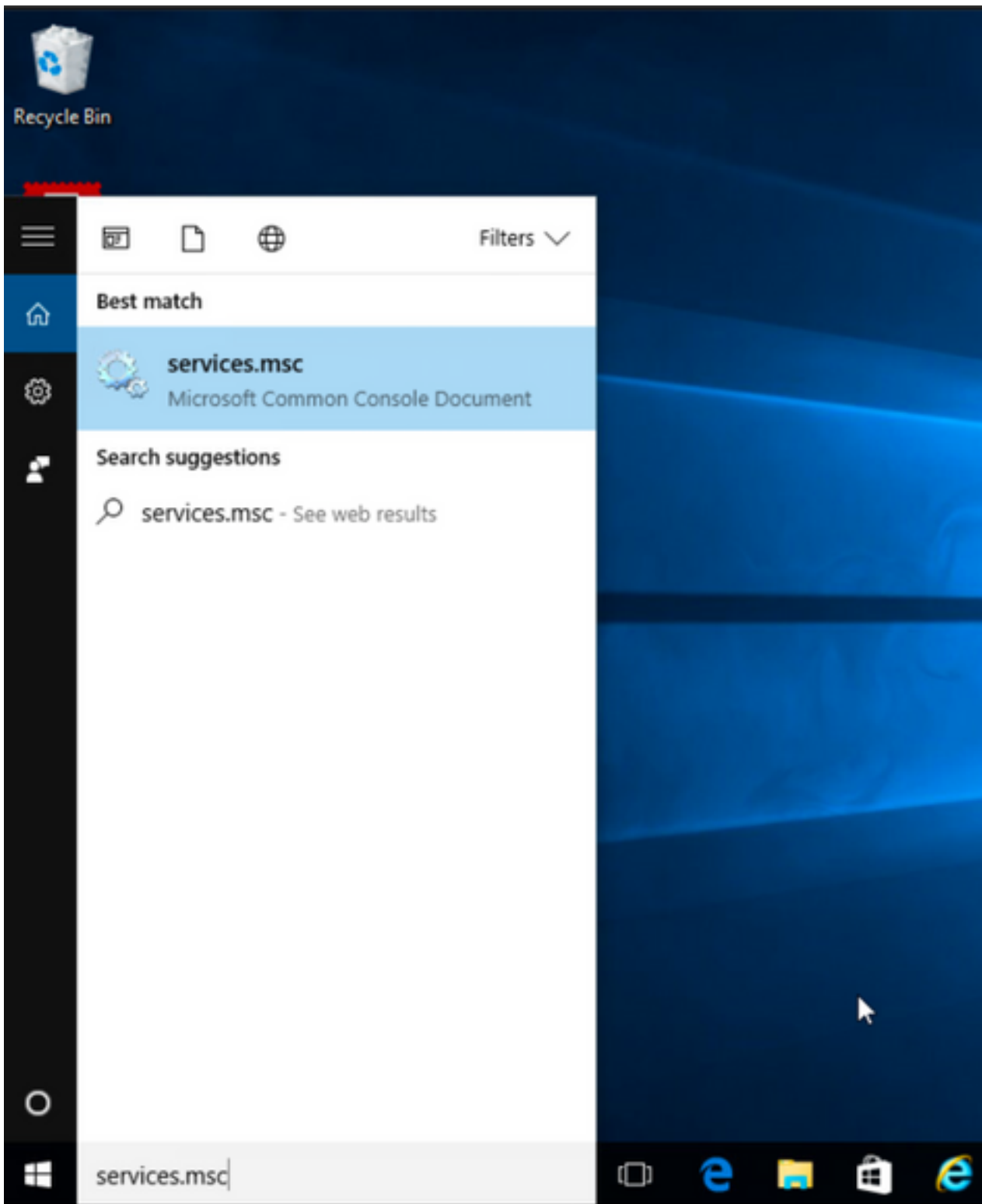
The screenshot shows the Cisco AnyConnect Secure Mobility Client interface. The main window displays the title "Cisco AnyConnect Secure Mobility Client" and "Version 4.9.06037". Below this, there is a copyright notice: "© Copyright 2004 - 2021 Cisco Systems, Inc. All Rights Reserved. Cisco, the Cisco Logo, Cisco AnyConnect, AnyConnect and the AnyConnect logo are registered trademarks or trademarks of Cisco and/or its affiliates in the United States and certain other countries." The interface also lists installed modules: "VPN, Roaming Security, Customer Experience Feedback". It includes information about the OpenSSL Project and the libcurl HTTP library. At the bottom, there are links for the "End User License Agreement" and "Cisco Online Privacy Statement and the AnyConnect Supplement". The Cisco logo is visible in the bottom right corner of the main window.

On the right side, there is a smaller window showing the status of the VPN connection. It displays a green checkmark and a padlock icon, indicating that the VPN is connected to 10.3.3.2. Below this, there is a dropdown menu showing ".10.3.3.2" and a "Disconnect" button. The connection time is shown as "00:00:35" and the IP address is "IPv4". Below the VPN status, there is a red X icon and a globe icon, indicating that the Roaming Security module is inactive. The message reads: "Roaming Security: Umbrella is inactive. Profile is missing." At the bottom of the interface, there are icons for settings and information, and the Cisco logo is visible in the bottom right corner.

Verify

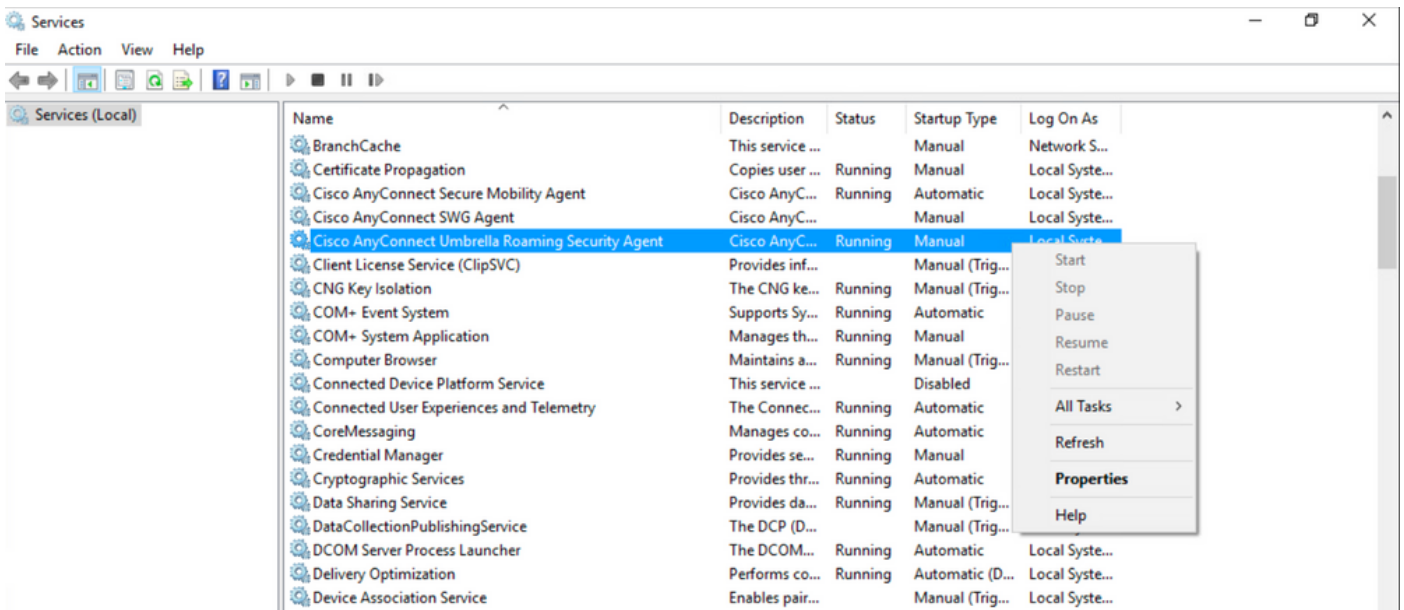
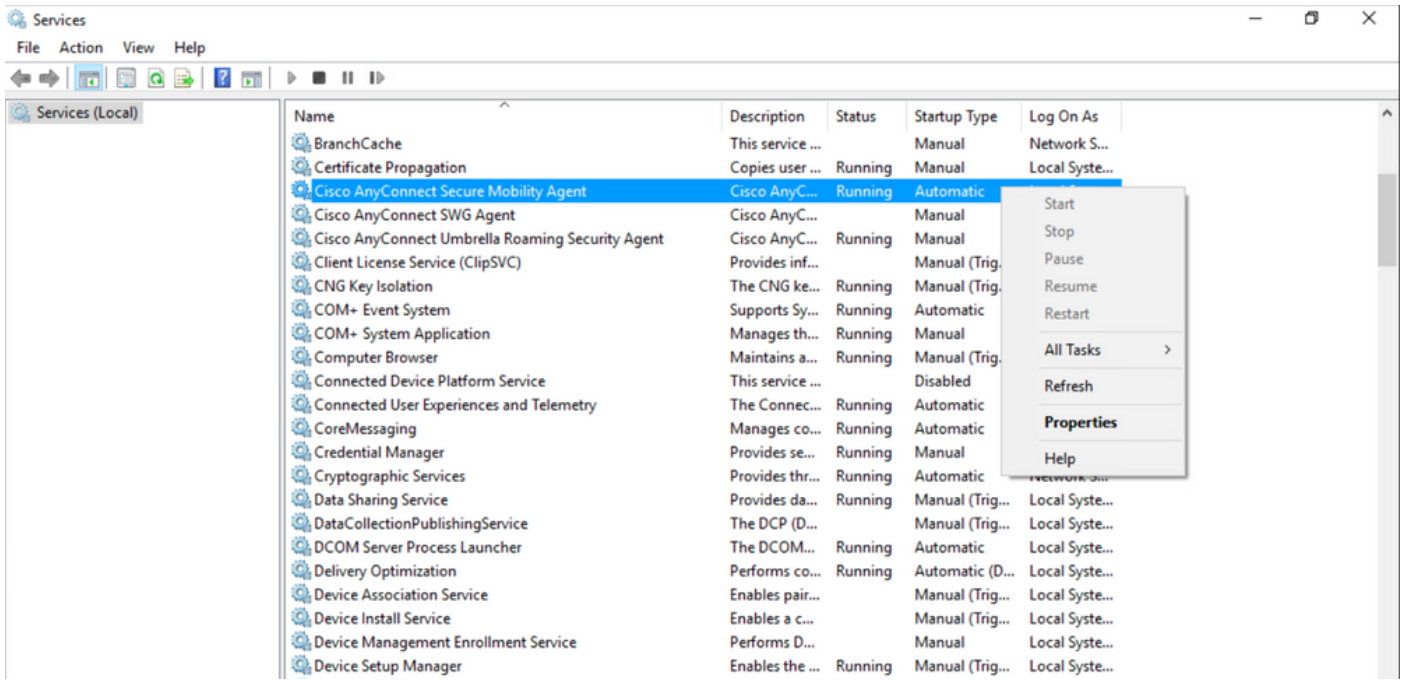
Confirm the Lockdown feature is enabled for the AnyConnect modules installed

Step 1. Open the Windows services (**services.msc**) as follows.



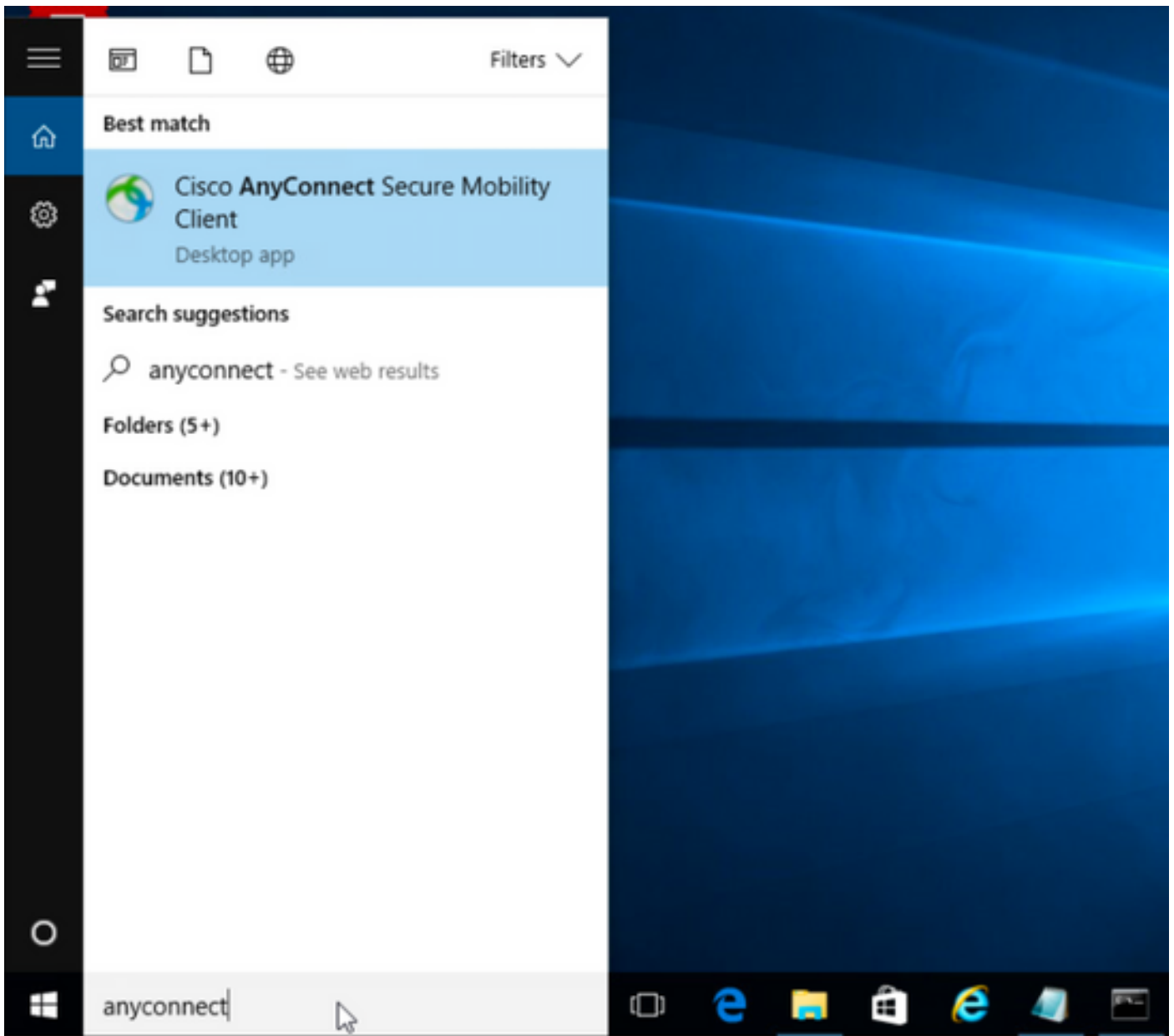
Step 2. Then, right-click over the **CORE & VPN** and the **Umbrella Roaming Security** services.

You can confirm the lockdown feature is enabled as you are not allowed to Start, Stop, Pause, Resume or Restart the services for these AnyConnect modules.



Confirm the Hide from the Add/Remove Program List feature is enabled for the AnyConnect modules installed

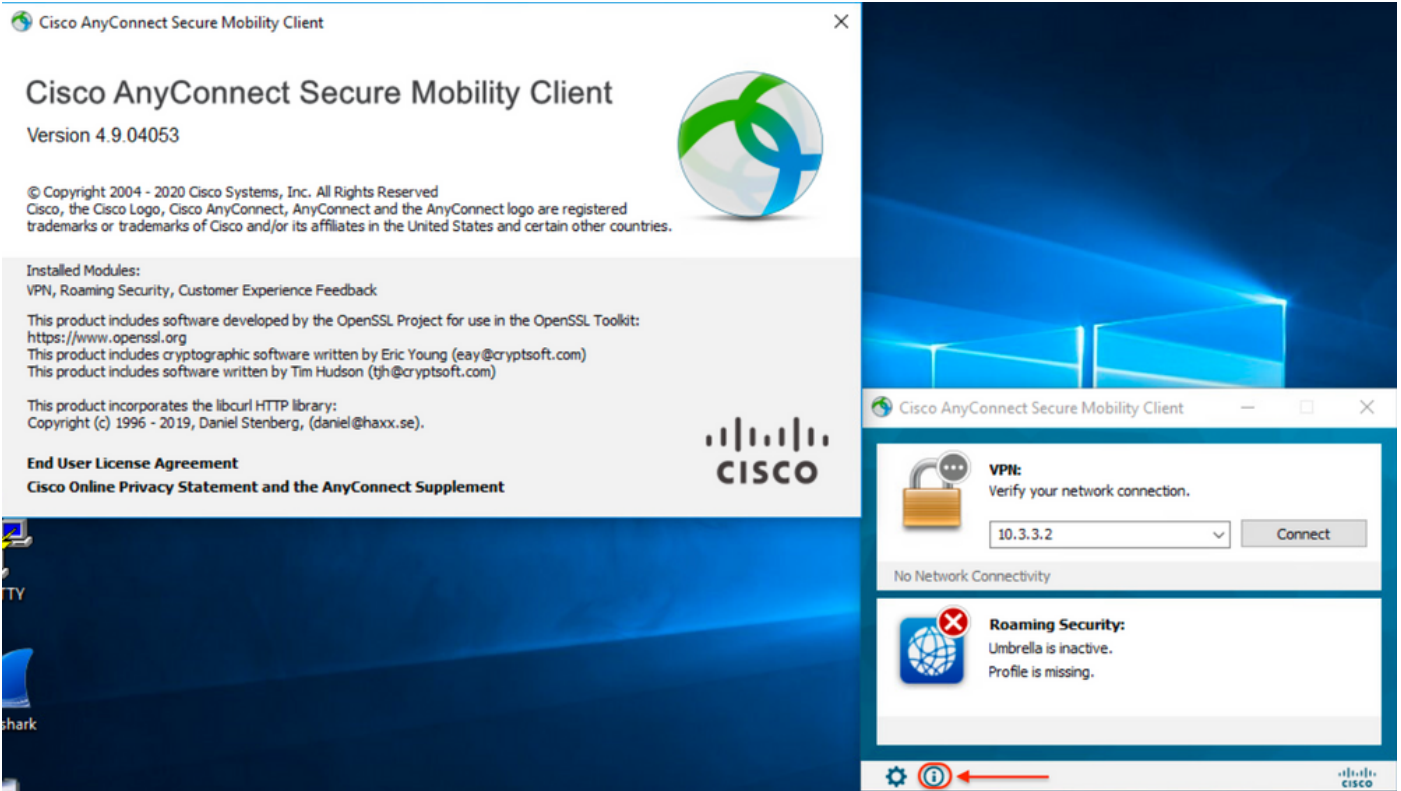
Step 1. Open the AnyConnect client as follows.



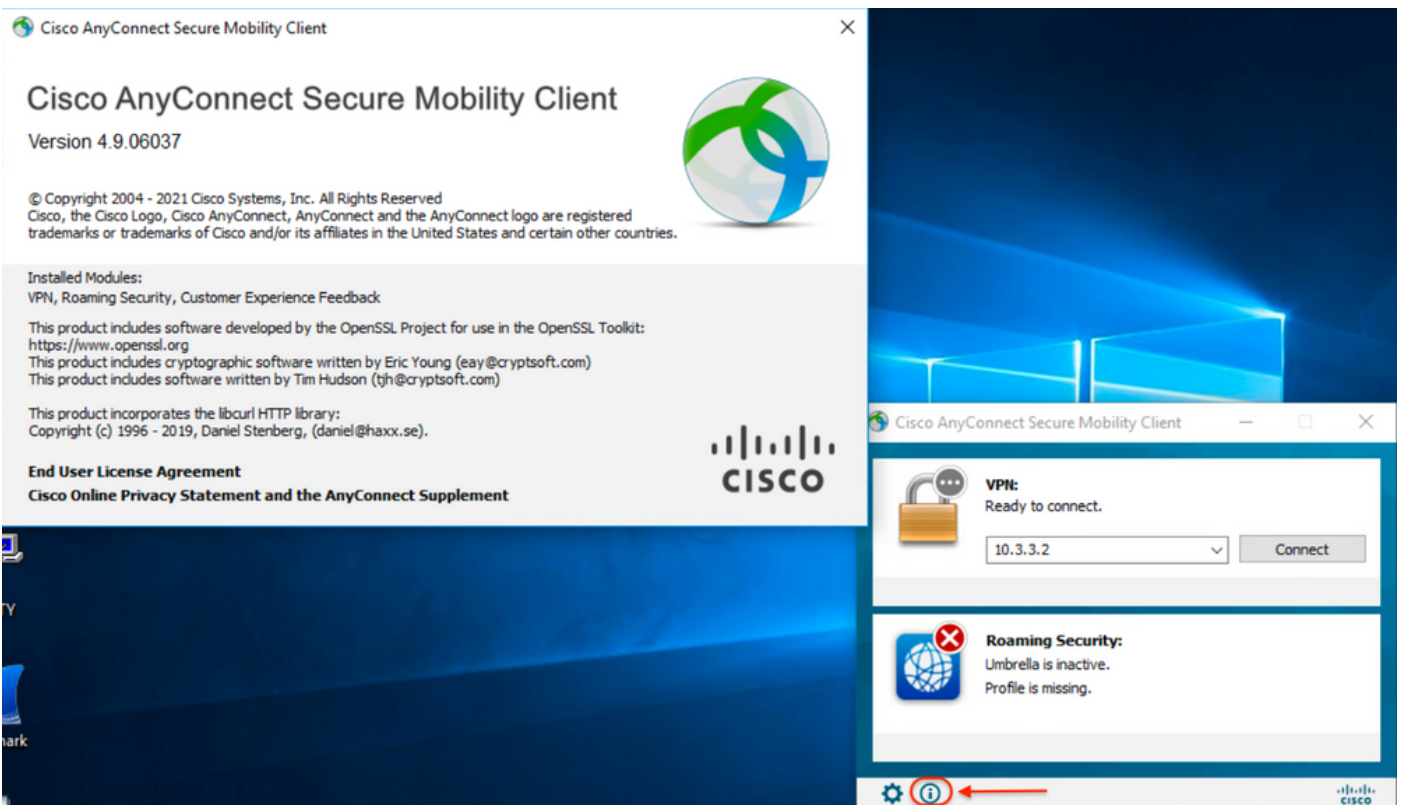
Step 2. Confirm the AnyConnect version installed.

For this, select the **INFO** icon under the AnyConnect client as follows:

Step 2.1 For the AnyConnect version 4.9.04053:

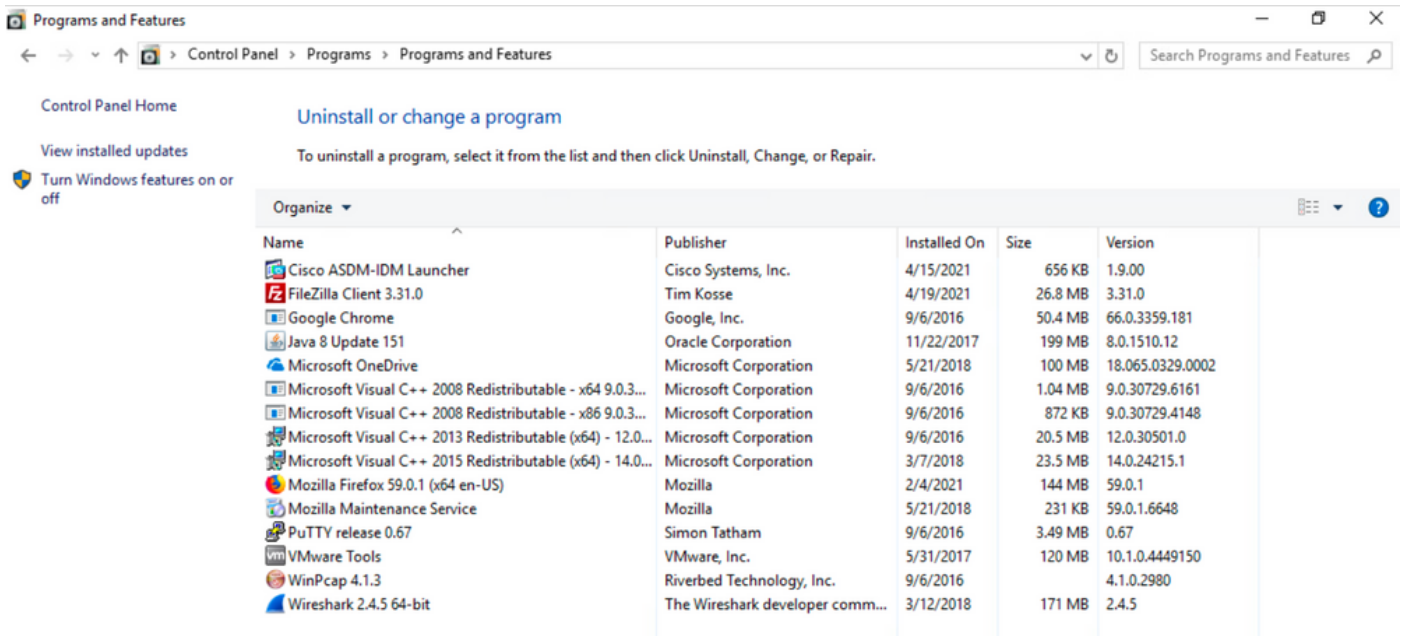


Step 2.2 For the AnyConnect version 4.9.06037:



Step 3. Confirm that both the AnyConnect **CORE & VPN** and the **Umbrella Roaming Security** modules are hidden from the Add/Remove Windows Program List.

For this, navigate to the Windows **Control Panel > Uninstall a Program**.



Troubleshoot

There is not troubleshoot procedure to follow for this document.

Related Bugs

[CSCvy38427](#) ASDM: Transforms file name must start with "_" underscore to take effect to multiple AC modules

Related Information

[Technical Support & Documentation - Cisco Systems](#)

[Cisco AnyConnect Secure Mobility Client Administrator Guide, Release 4.0](#)