Installation and Configuration Guide
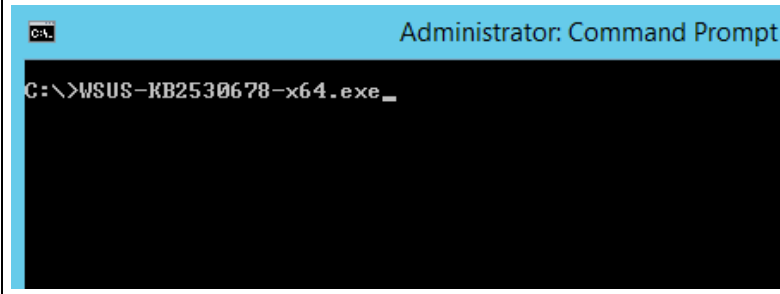
Document Versions:

Date	Version	Description
June, 14, 2014	1.0	Initial Release
March, 14, 2016	1.1	Minor Changes

Installing SCUP 2011:
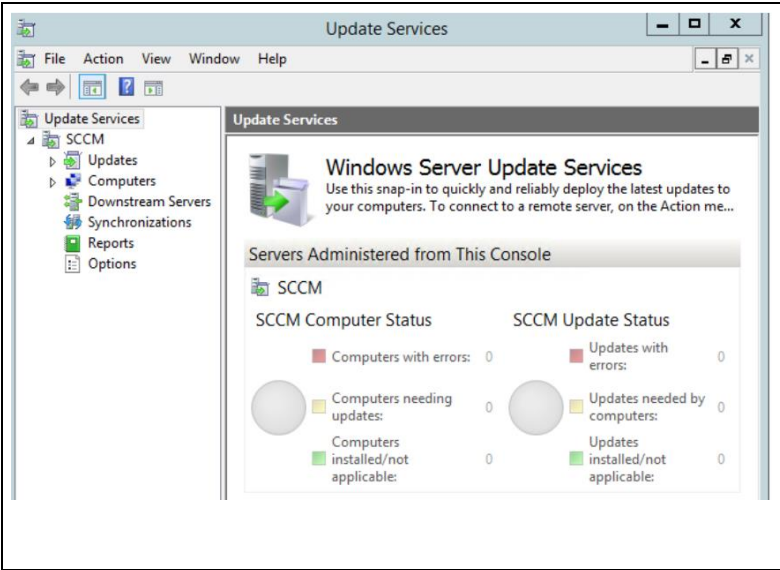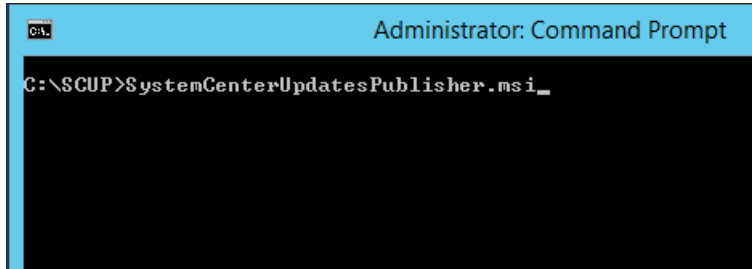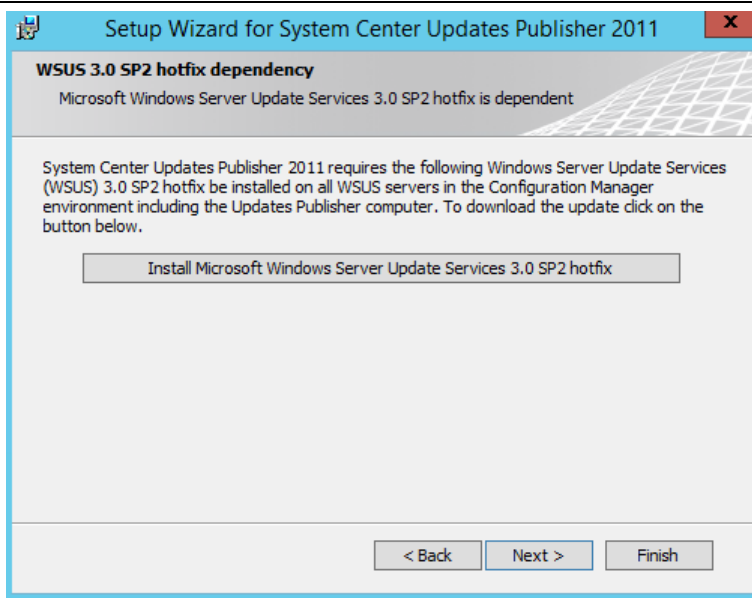
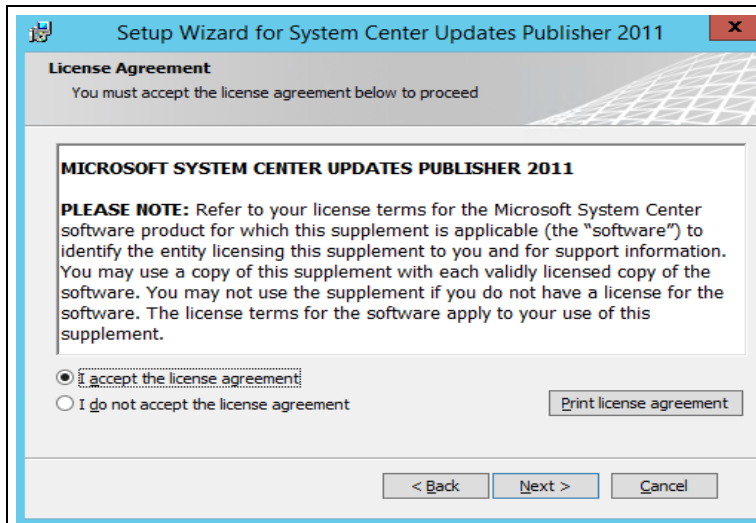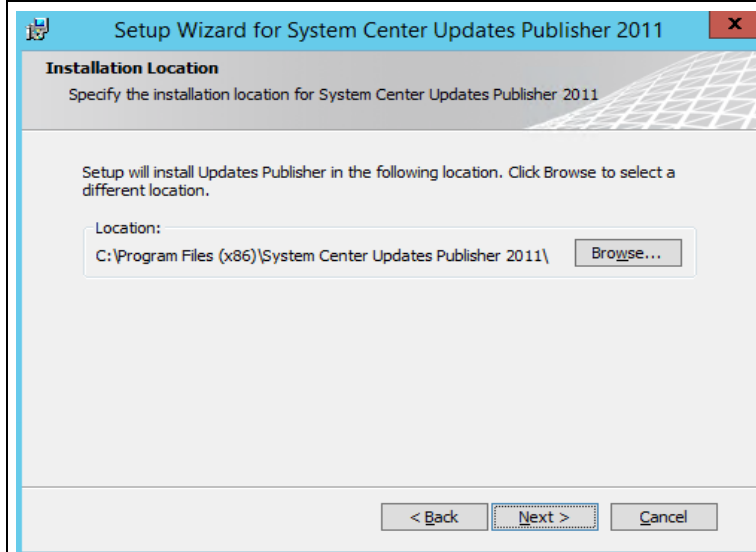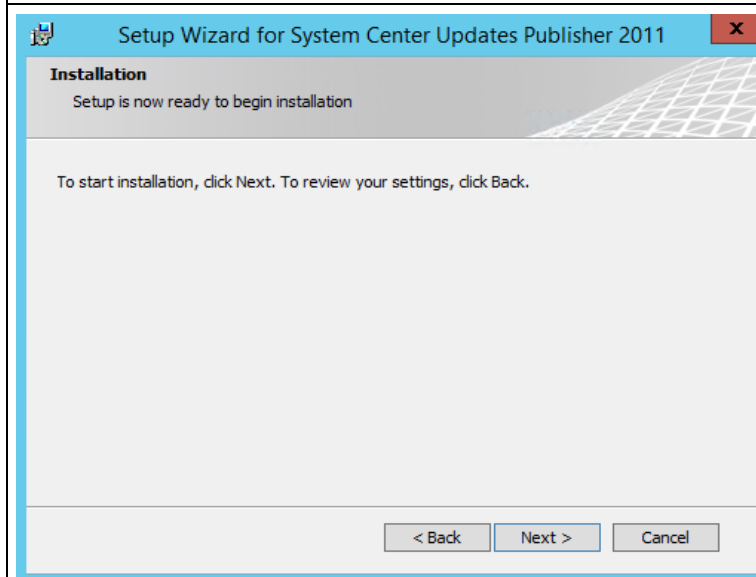|	
	Install WSUS (If needed). This can be WSUS 3.0 SP2 or WSUS on Server 2012 or greater. If using **WSUS 3.0 SP2**, You should also install **KB2734608**. If SCUP 2011 console is going to be installed remote from the WSUS server, you need to install the WSUS Admin Console using the RSAT installer for the OS you are running. The hotfixes should be applied on the WSUS Server and SCUP console (if remotely installed) for **WSUS 3.0 SP2**.
	If using **WSUS 3.0 SP2**, You will need to install **KB2530678**. The hotfixes should be applied on the WSUS Server and SCUP console machine (if remotely installed).
	Download and Install Microsoft **.NET Framework 4.0** (If Needed).
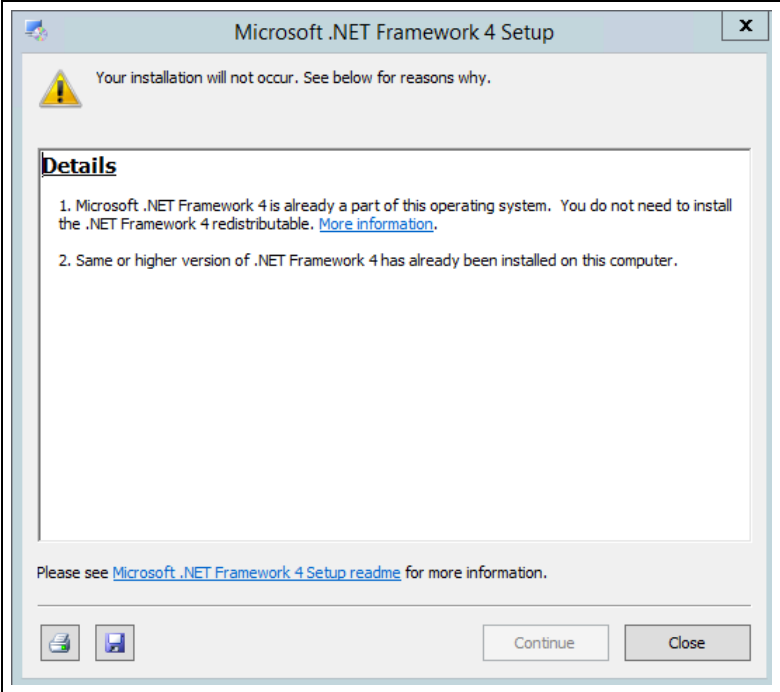
	Run **SCUP 2011 Installer** from an elevated command prompt.
	Click **Next.**
	Click **Next.**

Setup Wizard for System Center Updates Publisher 2011 **License Agreement** You must accept the license agreement below to proceed **MICROSOFT SYSTEM CENTER UPDATES PUBLISHER 2011** **PLEASE NOTE:** Refer to your license terms for the Microsoft System Center software product for which this supplement is applicable (the "software") to identify the entity licensing this supplement to you and for support information. You may use a copy of this supplement with each validly licensed copy of the software. You may not use the supplement if you do not have a license for the software. The license terms for the software apply to your use of this supplement. ⦿ I accept the license agreement ○ I do not accept the license agreement [Print license agreement] [< Back] [Next >] [Cancel]	Review and accept the license agreement then click **Next.**
Setup Wizard for System Center Updates Publisher 2011 **Installation Location** Specify the installation location for System Center Updates Publisher 2011 Setup will install Updates Publisher in the following location. Click Browse to select a different location. Location: C:\Program Files (x86)\System Center Updates Publisher 2011\ [Browse...] [< Back] [Next >] [Cancel]	Accept the default installation location and click **Next.**
Setup Wizard for System Center Updates Publisher 2011 **Installation** Setup is now ready to begin installation To start installation, click Next. To review your settings, click Back. [< Back] [Next >] [Cancel]	Click **Next** to begin the installation.

SCUP 2011 Configuration:

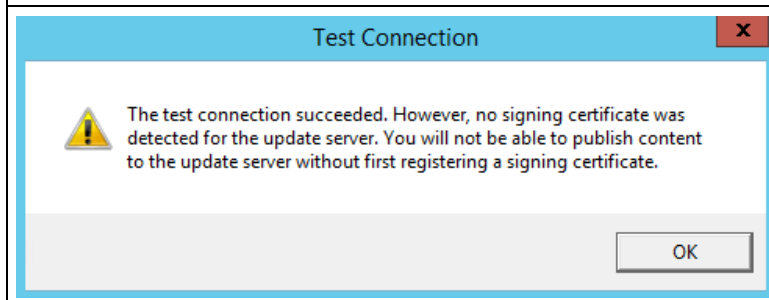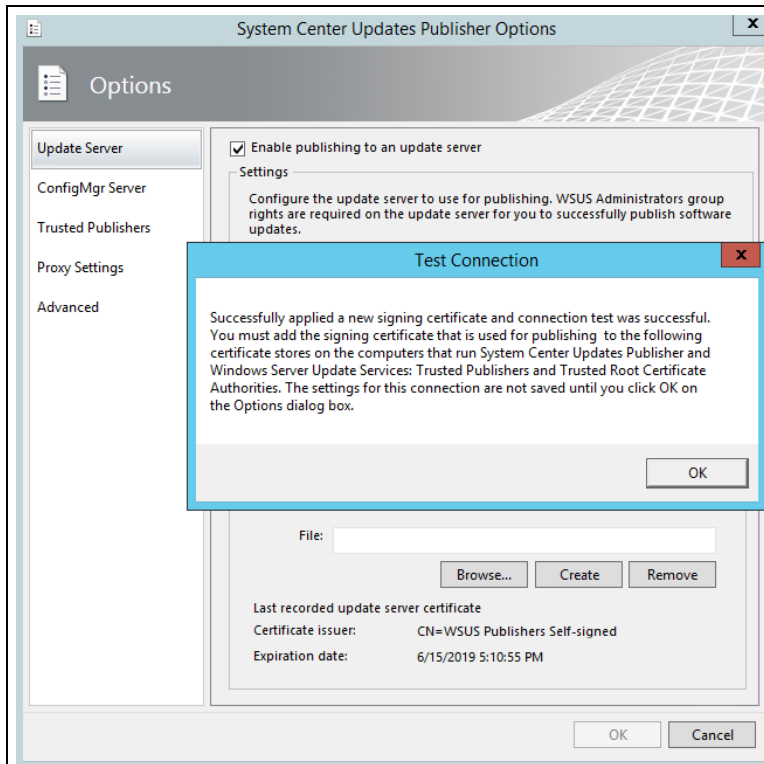|	
System Center Updates Publisher 2011 Options System Center Updates Publisher 2011 System Center Updates Publisher allows users to import software update catalogs, create, modify, and export software update definitions, and publish software updates into Configuration Manager environments. Exit About System Center Updates Publisher Version: 5.00.1727.0000 © 2011 Microsoft. All rights reserved.	**Start System Center Updates Publisher 2011** from the start menu ensure to run **as Administrator**. From the ribbon, click **Options**.
System Center Updates Publisher Options Options Update Server ConfigMgr Server Trusted Publishers Proxy Settings Advanced ☑ Enable publishing to an update server Settings Configure the update server to use for publishing. WSUS Administrators group rights are required on the update server for you to successfully publish software updates. ● Connect to a local update server ○ Connect to a remote update server: ☐ Use SSL when communicating with the updates server Name: localhost Port: 80 Test Connection Signing Certificate The signing certificate is used to digitally sign the content you want to publish to the update server. Browse to an existing signing certificate and choose Create, or leave File empty and choose Create to have the update server generate a self-signing certificate. File: Browse... Create Remove Last recorded update server certificate Certificate issuer: No certificate information is available Expiration date: OK Cancel	On the Update Server Tab, Click the checkbox to **"enable publishing to an update server"**. In the settings, choose one of the radio buttons to **"Connect to a local update server" or "Connect to a remote update server:"**. If your SCUP console is installed remotely from the WSUS server choose the remote option and configure the server settings. Note: In this example, we choose the "Connect to a local update server" since SCUP is installed on the WSUS server.
Test Connection ⚠ The test connection succeeded. However, no signing certificate was detected for the update server. You will not be able to publish content to the update server without first registering a signing certificate. OK	Click the **"Test Connection"** button.

Next you need to determine if you will use a **self-signed certificate** or a **certificate from a PKI** (If using PKI see this guide to certificate creation).

If using Server 2012 R2 and self-signed certificates, view this **post** on how to allow Server 2012 R2 WSUS server to create a self-signed certificate.

Click the **Create** (creates a self-signed cert) or **Browse** (to select PKI cert you created) button and choose OK on the message box.

Note: In this example, we clicked the Create button and will use a self-signed certificate.
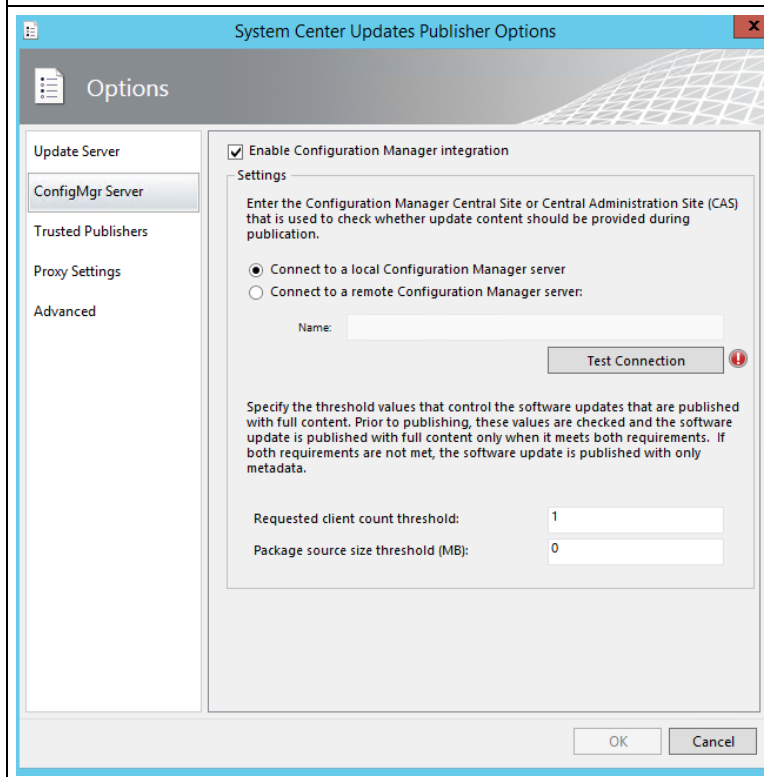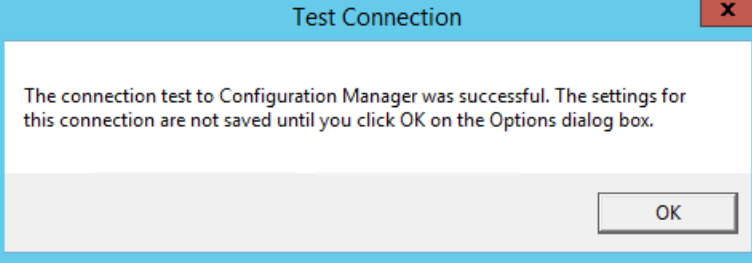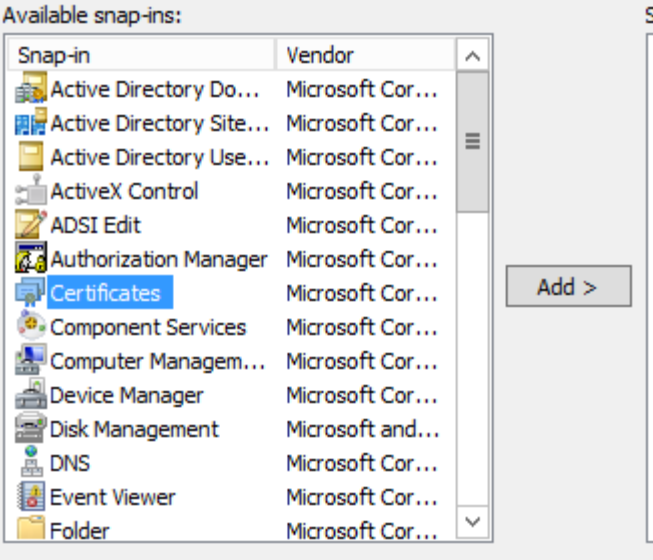
Click on the **ConfigMgr Server** tab in the **Options** pane.

Check the **"Enable Configuration Manager integration"** checkbox. This allows us to use the **Automatic** publication type from the SCUP console.

In the Settings, Choose the **"Connect to a local Configuration Manager Server"** or **"Connect to a remote Configuration Manager server:"**.

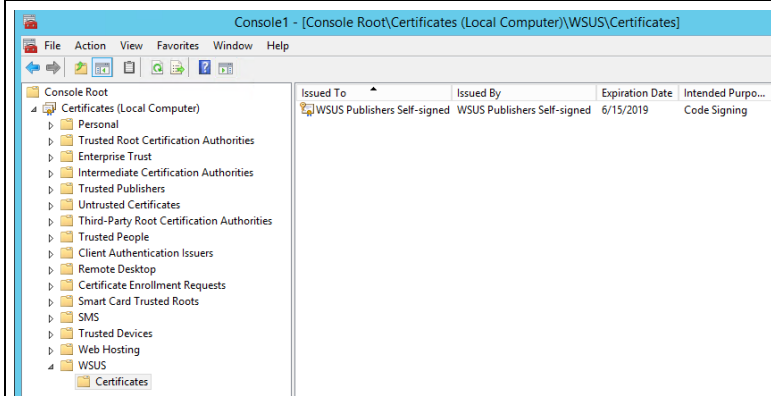Note: In this example, we choose "Connect to a local Configuration Manager server".

Test Connection ✕ The connection test to Configuration Manager was successful. The settings for this connection are not saved until you click OK on the Options dialog box. OK	Click the **"Test Connection"** button. Click **OK** on the message box.
Specify the threshold values that control the software updates that are published with full content. Prior to publishing, these values are checked and the software update is published with full content only when it meets both requirements. If both requirements are not met, the software update is published with only metadata. Requested client count threshold: 1 Package source size threshold (MB): 0	**Note:** You can optionally configure the values used for the **Automatic publication type** in this tab.
Available snap-ins: Snap-in — Vendor Active Directory Do... — Microsoft Cor... Active Directory Site... — Microsoft Cor... Active Directory Use... — Microsoft Cor... ActiveX Control — Microsoft Cor... ADSI Edit — Microsoft Cor... Authorization Manager — Microsoft Cor... Certificates — Microsoft Cor... Component Services — Microsoft Cor... Computer Managem... — Microsoft Cor... Device Manager — Microsoft Cor... Disk Management — Microsoft and... DNS — Microsoft Cor... Event Viewer — Microsoft Cor... Folder — Microsoft Cor... Add >	Open up a **MMC console** Click Start, Run and Type MMC then click Enter Click **Ctrl + M** to open the Add/Remove Snap-in wizard Click on Certificates and click add.
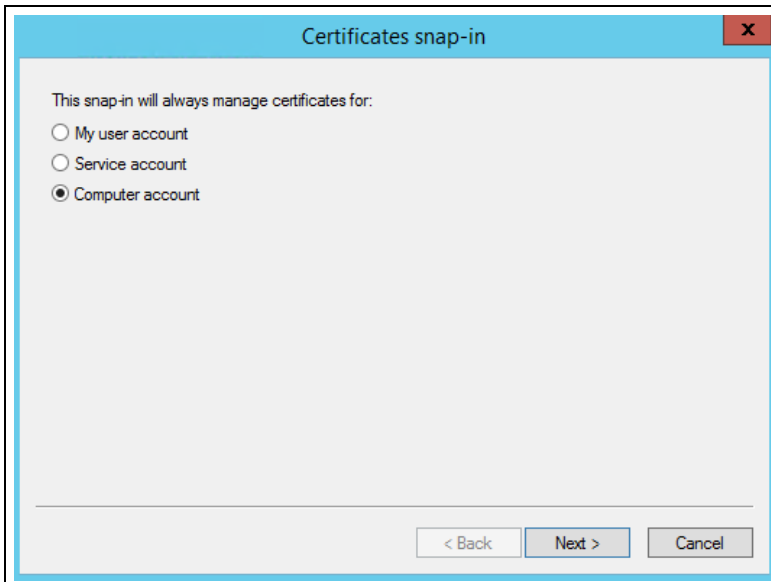
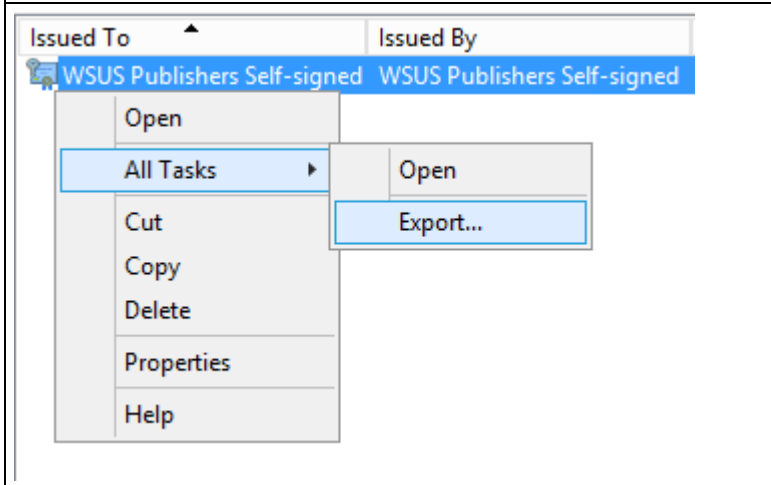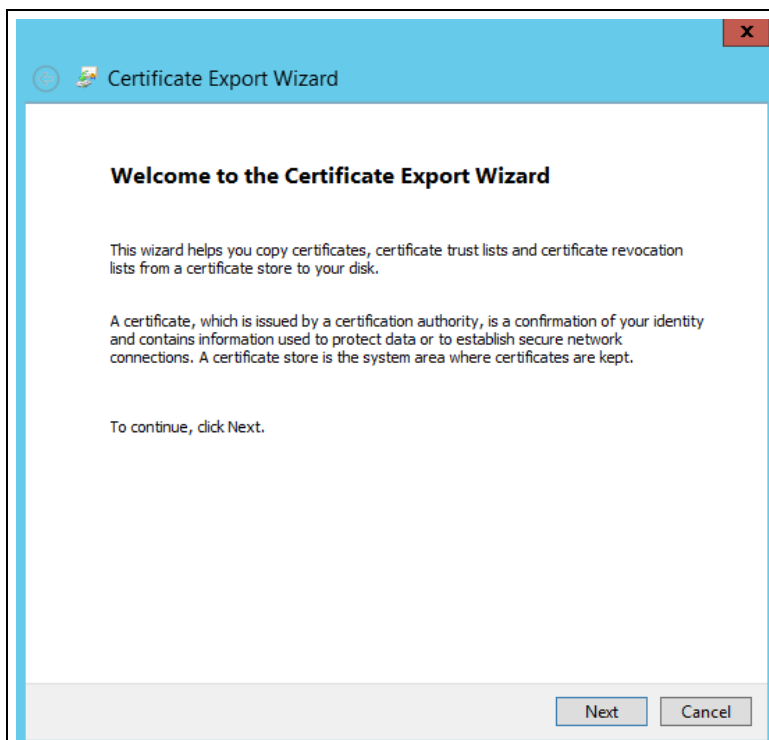|	
	Choose the **Computer account** option and then click the **Next** button. Click the **Finish** button. Click the **OK** button to open the Certificate Snap-in.
	In the Certificates Snap-In, **Browse to Certificates > WSUS > Certificates**. You will see the WSUS self-signed certificate in this node.
	Right click the certificate > Click All Tasks > Click **Export**.

	Click **Next** on the "Welcome Wizard".
	In the "Export Private Key" page, leave the default "No, do nor export the private key" selected and click **Next**. In the "Export File Format" page, leave the default "DER encoded binary X.509 (.CER) selected and click **Next**. In the "File to Export" page, Browse to a location and enter a filename for the certificate file and click **Next**. Note: we will use this file and import it into a group policy object. In this example, we saved the file to C:\WSUSCert.cer.
	Click **Finish** and then **OK** on the message box.
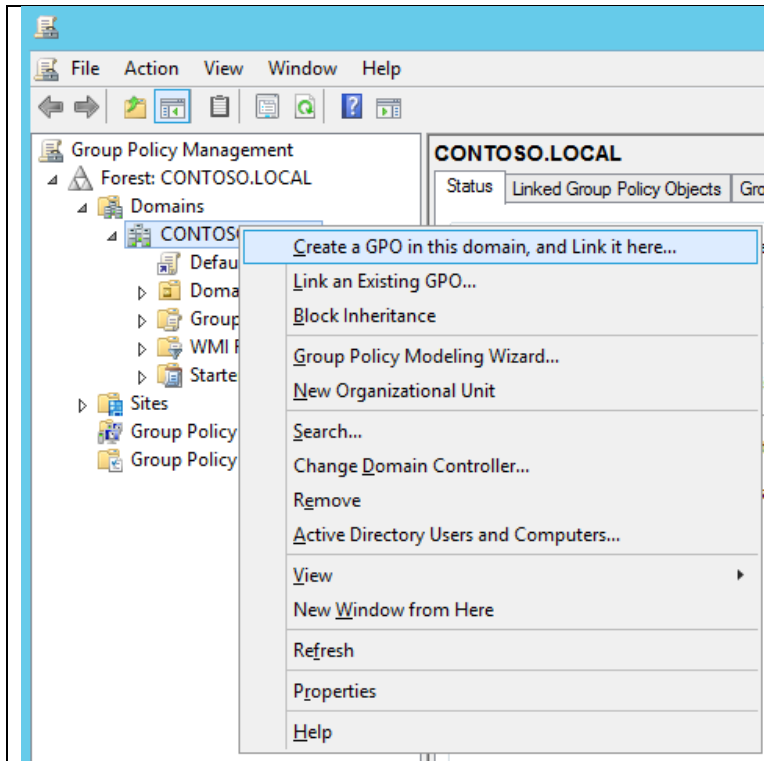
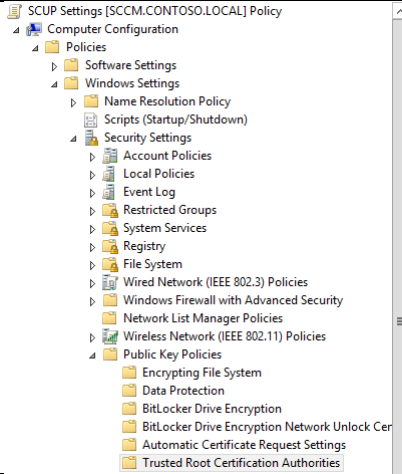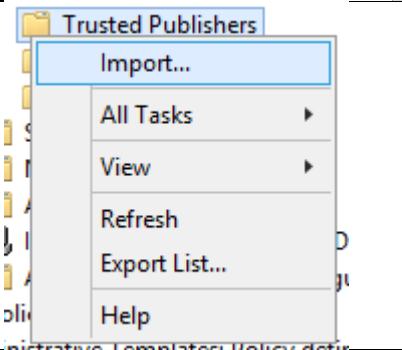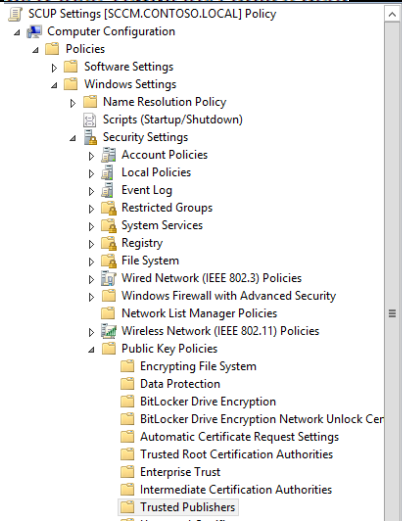|	
	We will now distribute this certificate using **Group Policy**. We will create a new GPO at the **root level** so all machines will be able to install third-party updates. You can optionally use the **Default Domain Policy**. Right click the Domain and choose "**Create a GPO in this domain, and lick it here….**".
	In our environment, we called the GPO **SCUP Settings**.
	Right click the "**SCUP Settings**" GPO and Click **Edit**.
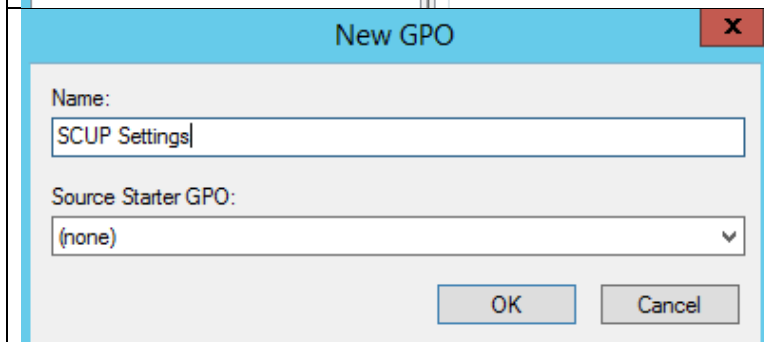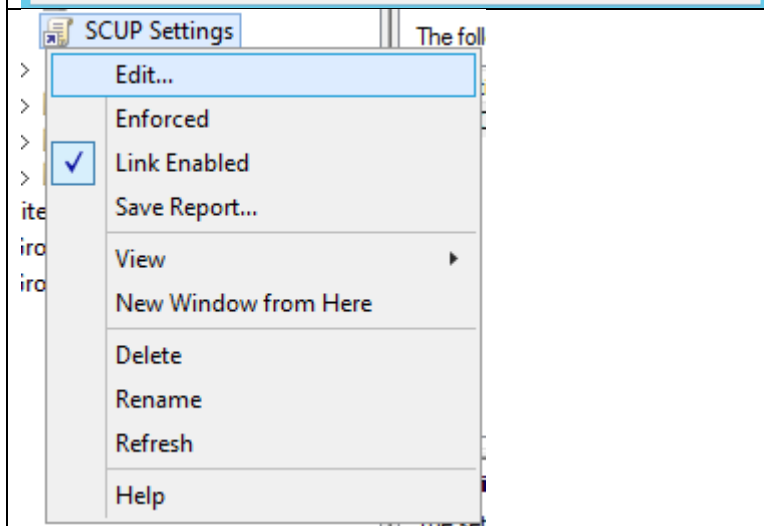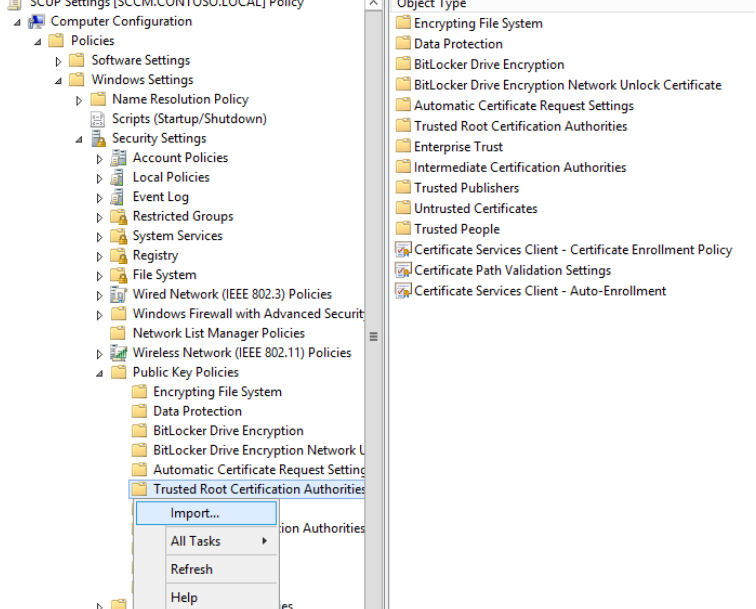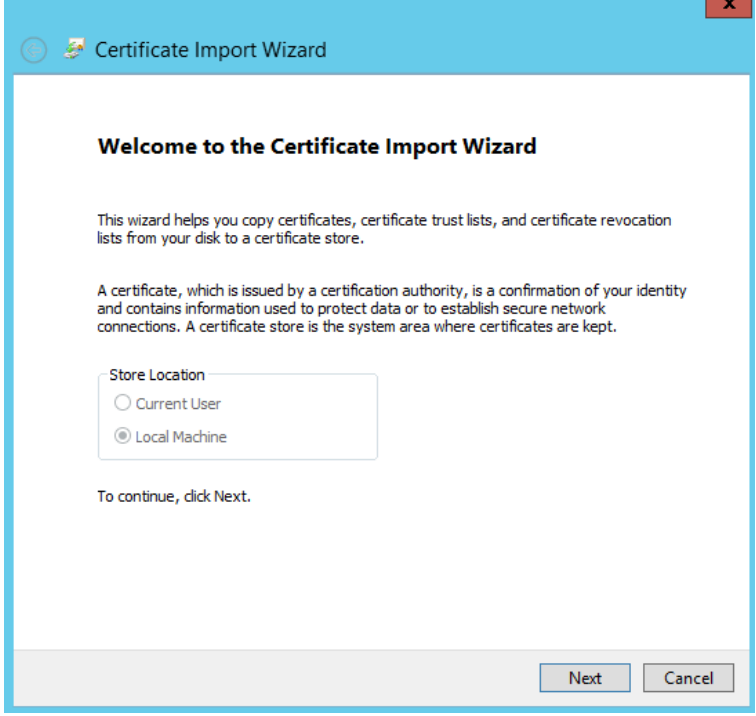
Navigate to **Computer Configuration > Policies > Windows Settings > Security Settings > Public Key Policies**.

Right Click "**Trusted Root Certification Authorities**" and Click **Import**

Click the **Next** button on the "Welcome" wizard.

On the "File to Import" page, browse out to the certificate file location where the certificate was **exported**.

In our environment, the **File name** was **C:\WSUSCERT.CER**

In the "Certificate Store" page, verify "**Trusted Root Certification Authorities**" is set and click **Next**.

Click **Finish**.

Click **OK** on the import was successful message box.

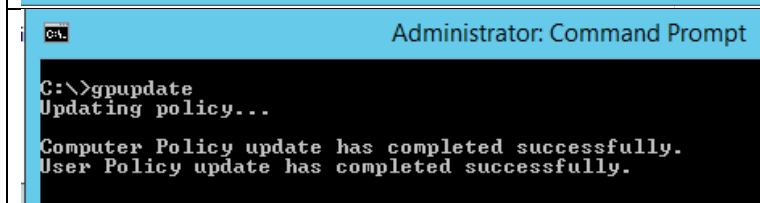|	
	Verify the Certificate was added to the "Trusted Root Certification Authorities" node within the Group Policy Object.
	Repeat the previous three steps for the "**Trusted Publishers**" store within the Group Policy Object.
	Verify the Certificate was added to the "**Trusted Publishers**" node within the Group Policy Object.
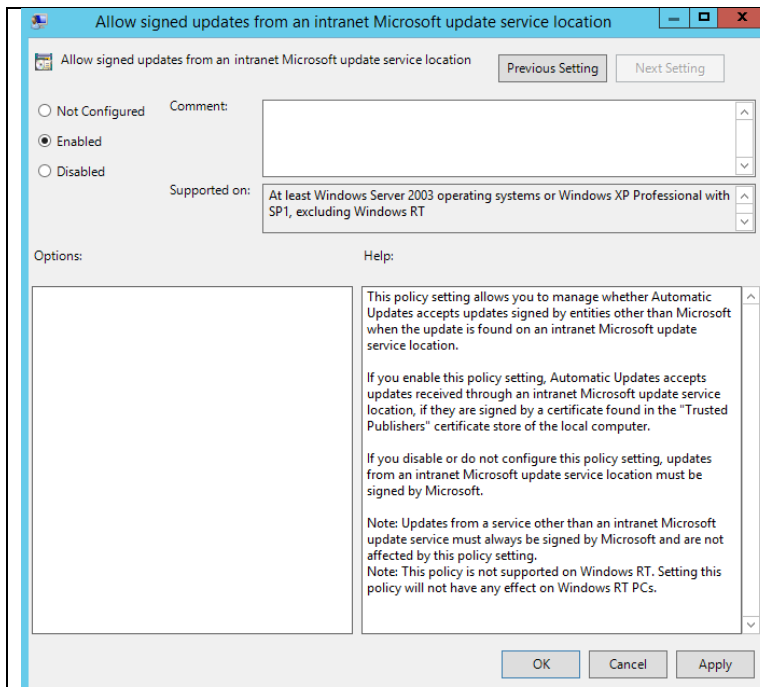
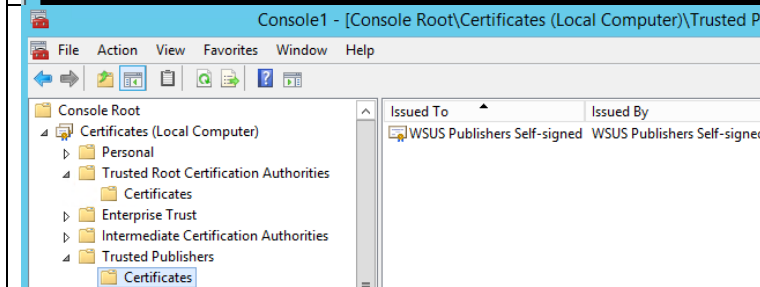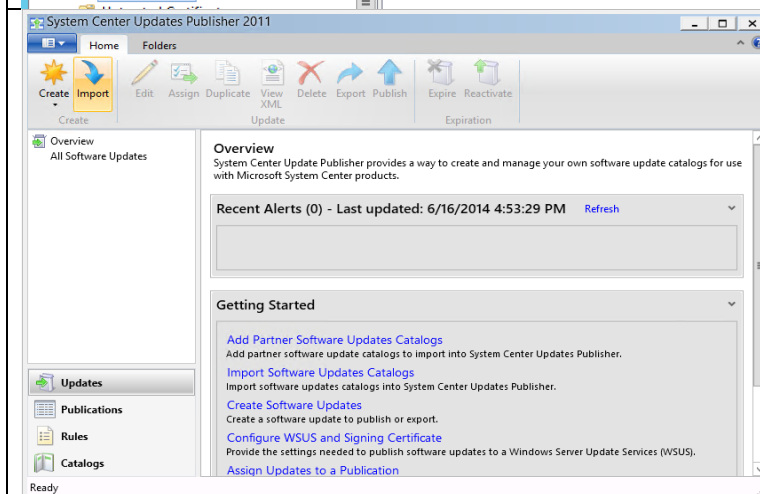|	
	Within the same group policy, Navigate to **Computer Configuration > Administrative Templates > Windows Components > Windows Update.** Choose "**Allow signed updates from an intranet Microsoft update service location**". Click "**Enabled**". Click the **OK** Button.
	Run a **gpupdate /force** command on the machine where the SCUP console was installed to ensure the certificate is trusted.
	You should now have the self-signed certificate in the "**Trusted Publishers**" and "**Trusted Root Certification Authorities**" stores on the machine where the SCUP console is installed.
	SCUP 2011 is now installed and configured. We will go over importing our catalog into SCUP 2011 in the next guide.

Patch My PC - Installation and Configuration Guide