

Installation and Configuration Guide

Document Versions:

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

Installing SCUP 2011:



Administrator: Command Prompt C:\SCUP>SystemCenterUpdatesPublisher.msi_	Run <u>SCUP 2011 Installer</u> from an elevated command prompt.
Setup Wizard for System Center Updates Publisher 2011	Click Next.
Setup Wizard for System Center Updates Publisher 2011 WSUS 3.0 SP2 hotfix dependency Microsoft Windows Server Update Services 3.0 SP2 hotfix is dependent System Center Updates Publisher 2011 requires the following Windows Server Update Services (WSUS) 3.0 SP2 hotfix be installed on all WSUS servers in the Configuration Manager environment including the Updates Publisher computer. To download the update click on the button below. Install Microsoft Windows Server Update Services 3.0 SP2 hotfix	Click Next.

Setup Wizard for System Center Updates Publisher 2011 License Agreement You must accept the license agreement below to proceed	Review and accept the license agreement then click Next.
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 do not accept the license agreement	
< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel	
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	Accept the default installation location and click Next .
岁 Setup Wizard for System Center Updates Publisher 2011	Click Next to begin the
Installation Setup is now ready to begin installation	installation.
To start installation, click Next. To review your settings, click Back.	
< Back Next > Cancel	

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. 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.
Detions	System Center Updates Publisher Options	On the Update Server Tab, Click the checkbox to "enable publishing to an update server".
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	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.
The test cont detected for to the update	Test Connection X nection succeeded. However, no signing certificate was the update server. You will not be able to publish content e server without first registering a signing certificate. OK	Click the "Test Connection" button.

Deptions	System Center Updates Publisher Options	Next you need to determine if you will use a self-signed certificate or a certificate from a PKI (If using
Update Server ConfigMgr Server Trusted Publishers	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.	PKI see this <u>guide</u> to certificate creation).
Proxy Settings Advanced	Test Connection X Successfully applied a new signing certificate and connection test was successful. You must add the signing certificate that is used for publishing to the following certificate stores on the computers that run System Center Updates Publisher and Windows Server Update Services: Trusted Publishers and Trusted Root Certificate Authorities. The settings for this connection are not saved until you click OK on the Options dialog box.	If using Server 2012 R2 and self- signed certificates, view this <u>post</u> on how to allow Server 2012 R2 WSUS server to create a self- signed certificate.
	File: Browse Create Last recorded update server certificate Certificate issuer: CN=WSUS Publishers Self-signed Expiration date: 6/15/2019 5:10:55 PM	Click the Create (creates a self- signed cert) or Browse (to select PKI cert you created) button and choose OK on the message box.
	OK Cancel	Note: In this example, we clicked the Create button and will use a self-signed certificate.
Detions	System Center Updates Publisher Options	Click on the ConfigMgr Server tab in the Options pane.
Update Server ConfigMgr Server Trusted Publishers Proxy Settings Advanced	Enable Configuration Manager integration Settings Enter the Configuration Manager Central Site or Central Administration Site (CAS) that is used to check whether update content should be provided during publication. © Connect to a local Configuration Manager server © Connect to a remote Configuration Manager server: Name:	Check the "Enable Configuration Manager integration" checkbox. This allows us to use the Automatic publication type from the SCUP console.
	Test Connection 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	In the Settings, Choose the "Connect to a local Configuration Manager Server" or "Connect to a remote Configuration Manager server:".
	OK Cancel	Note: In this example, we choose "Connect to a local Configuration Manager server".

Test Connection			Click the "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.				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.			Note: You can optionally configure the values used for the <u>Automatic publication type</u> in this tab.	
Requested client count thresh	old:	1		
Package source size threshold	Package source size threshold (MB): 0			
Available snap-ins:				Open up a MMC console
Snap-in	Vendor	^		
Active Directory Do	Microsoft Cor			Click Start, Run and Type MMC
Active Directory Site	Microsoft Cor	=		then click Enter
Active Directory Use	Microsoft Cor			
	Microsoft Cor			Click Ctrl + M to open the
AUSI Edit	Microsoft Cor			Add/Remove Snap-in wizard
Certificates	Microsoft Cor	Add >		
Component Services	Microsoft Cor			Click on Certificates and click add.
Computer Managem	Microsoft Cor			
Device Manager	Microsoft Cor			
Disk Management	Microsoft and			
A DNS	Microsoft Cor			
🛃 Event Viewer	Microsoft Cor			
Folder	Microsoft Cor	×		

Certificates snap-in	Choose the Computer account
This snap in will always manage certificates for:	option and then click the Next
O My user account	button.
O Service account	
Computer account	Click the Finish button.
	Click the OK button to open the Certificate Snap-in.
< Back Next > Canc	
Console1 - [Console Root\Certificates (Local Computer)\WSUS\Certificates]	In the Certificates Snan-In
a File Action View Favorites Window Help	Browso to Cortificatos > WSUS >
Console Root Ssued To Issued To Issued By Expiration Date Inten	anded Purpo
Equivolution (Uscal Computer) E	
> Entermise Trust > Intermediate Certification Authorities > Trusted Publishers > Untrusted Certification Authorities > Trusted Parly Root Certification Authorities > Trusted Parly Root Certification Authorities > Trusted Parly Root Certification Issuers > Certificate Enrollment Requests > Smart Cert Trusted Roots > SMS > Trusted Provices > Web Hotting 4 WSUS	You will see the WSUS self-signed certificate in this node.
Certificates	
Issued To Issued By Issued Support WSUS Publishers Self-signed	Right click the certificate > Click All Tasks > Click Export .
Open	
All Tasks Open	
Cut Export	
Сору	
Delete	
Properties	
Help	

Certificate Export Wizard	Click Next on the "Welcome Wizard".
Welcome to the Certificate Export Wizard	In the "Export Private Key" page, leave the default "No, do nor
This wizard helps you copy certificates, certificate trust lists and certificate revocation lists from a certificate store to your disk.	and click Next .
A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.	In the "Export File Format" page,
To continue, click Next.	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 .
Next Cancel	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.
Export Wizard	Click Finish and then OK on the message box.
Completing the Certificate Export Wizard	
You have successfully completed the Certificate Export wizard.	
You have specified the following settings: File Name C:\WSUSCERT.cer	
Export Keys No Include all certificates in the certification path No File Format DER Encoded Binary X.509 (*.cer)	
Certificate Export Wizard	
The export was successful.	
Finish Cancel	

E		We will now distribute this
📓 File Action View Window Help	certificate using Group Policy.	
🔶 🄶 🞽 🖬 📋 🖾 🚺		
Group Policy Management	We will create a new GPO at the	
⊿ A Forest: CONTOSO.LOCAL ⊿ B Domains	Status Linked Group Policy Objects Grou	root level so all machines will be
CONTOS Create a GPO in	n this domain, and Link it here	able to install third-party
b 🗊 Doma 🔤 Link an Existing	GPO	updates. You can optionally use
▷ 📴 Group Block Inheritan	ce	the Default Domain Policy.
WMI F <u>G</u> roup Policy N The starte	lodeling Wizard	Right click the Domain and
Sites <u>New Organizat</u>	ional Unit	choose "Create a GPO in this
Group Policy Search	n Controller	domain, and lick it here".
Remove	a'	
<u>A</u> ctive Director	y Users and Computers	
View	•	
New <u>W</u> indow f	rom Here	
Refresh		
P <u>r</u> operties		
Help		
New G	In our environment, we called	
News		the GPO SCUP Settings.
SCUP Settings		
Source Starter GPO:		
(none)	¥	
	OK Cancel	
SCUP Settings	The foll	Right click the "SCUP Settings"
> Edit		GPO and Click Edit.
> Enforced		
Link Enabled		
ite Save Report		
iro View		
New Window from Here		
Delete		
Rename		
Refresh		
Help		

SCUP Settings [SCCM.CONTOSO.LOCAL] Policy	biject Type Encrypting File System Data Protection BitLocker Drive Encryption BitLocker Drive Encryption SitLocker Drive Encryption Trusted Root Certificate Request Settings Trusted Root Certification Authorities Enterprise Trust Intermediate Certificates Trusted Publishers Untrusted Certificates Trusted People Certificate Services Client - Certificate Enrollment Policy Certificate Services Client - Auto-Enrollment	Navigate to Computer Configuration > Policies > Windows Settings > Security Settings > Public Key Policies. Right Click "Trusted Root Certification Authorities" and Click Import
Certificate Import Wizard Welcome to the Certificate Im This wizard helps you copy certificates, certificalists from your disk to a certificate store. A certificate, which is issued by a certification a and contains information used to protect data connections. A certificate store is the system a Store Location Current User Local Machine To continue, dick Next.	Apport Wizard tate trust lists, and certificate revocation authority, is a confirmation of your identity or to establish secure network area where certificates are kept.	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 .
	Next Cancel	successful message box.

SCUP Settir	gs [SCCM.CONTOSOLOCAL] Policy ter Configuration cics Software Settings Mindows Settings Name Resolution Policy Scripts (Startup/Shutdown) Scripts (Startup/Shutdown) Scripts (Startup/Shutdown) Scripts (Startup/Shutdown) Mindows Policies Diagonal Policies Diagonal Policies Diagonal Policies System Services Diagonal Windows Firewall with Advance Network List Manager Policies Dublic Key Policies Dublic Key Policies Dublic Key Policies Data Protection BitLocker Drive Encryption N BitLocker Drive Encryption BitLocker Drive Encryption N BitLocker Drive Encryption N Automatic Certificate Reque	cies d Security Policies Network Unlock Ce est Settings uthorities	Issued To Sued To WSUS Publishers Self-:	Issued By igned WSUS Publishers Self-signed	Verify the Certificate was added to the "Trusted Root Certification Authorities" node within the Group Policy Object.
Tr	usted Publishers				Repeat the previous three steps
	Import				store within the Group Policy
1 9	All Tasks	•			Object.
	View	•			
	Refresh	D			
	Export List	ji			
olio	Help				
SCUP Settin	gs [SCCM.CONTOSO.LOCAL] Policy	datir	∧ Issued To ▲	Issued By	Verify the Certificate was added
⊿ 🛃 Compu ⊿ 📔 Poli	ter Configuration cies		WSUS Publishers Self-sig	ned WSUS Publishers Self-signed	to the "Trusted Publishers" node
⊳ 🛄 9 ⊿ 🛅 \	Software Settings Nindows Settings				
4	Name Resolution Policy Scripts (Startup/Shutdown)				within the Group Policy Object.
4	Security Settings Account Policies				
	Local Policies Event Log				
	Restricted Groups				
	▷ Call Registry				
	Wired Network (IEEE 802.3) Polici	es			
	Windows Firewall with Advanced Network List Manager Policies	security	=		
	Image: Second	blicies			
	Encrypting File System Data Protection				
	BitLocker Drive Encryption BitLocker Drive Encryption No	etwork Unlock Cer			
	Automatic Certificate Reques Trusted Root Certification Automatic	t Settings thorities			
	Enterprise Trust	thorities			
	Trusted Publishers	unonties			

Allow signed updates from an intranet Microsoft update service location	Within the same group policy,
Allow signed updates from an intranet Microsoft update service location Previous Setting Next Setting	Navigate to Computer
Not Configured Comment:	Configuration > Administrative
Enabled	Templates > Windows
Disabled Supported on: At least Windows Server 2003 operating systems or Windows XP Professional with A	Components > Windows Update.
SP1, excluding Windows RT	
Options: Help:	Choose "Allow signed updates
This policy setting allows you to manage whether Automatic Updates accepts updates signed by entities other than Microsoft	from an intranet Microsoft
when the update is found on an intranet Microsoft update service location.	update service location".
If you enable this policy setting, Automatic Updates accepts updates received through an intranet Microsoft update service location, if they are signed by a certificate found in the "Trusted	
Publishers" certificate store of the local computer.	Click "Enabled".
If you disable or do not configure this policy setting, updates from an intranet Microsoft update service location must be rigned by Microsoft	
Note: Updates from a service other than an intranet Microsoft	Click the OK Button.
update service must always be signed by Microsoft and are not affected by this policy setting.	
Note: This policy is not supported on Windows KT. Setting this policy will not have any effect on Windows RT PCs.	
OK Cancel Apply	
Administrator: Command Prompt	Run a gpupdate /force command
	on the machine where the SCUP
C:\}gpupdate Updating policy	console was installed to ensure
Computer Policy update has completed successfully.	the certificate is trusted.
User Policy update has completed successfully.	
Console1 - [Console Root\Certificates (Local Computer)\Trusted Pul	You should now have the self-
File Action View Favorites Window Help	signed certificate in the "Trusted
Console Root	Publishers" and "Trusted Root
Gertificates (Local Computer) Gertificates (Local Computer) Gertificates (Local Computer) Gertificates (Local Computer)	Certification Authorities" stores
Trusted Root Certification Authorities	on the machine where the SCUP
Controller Enterprise Trust	console is installed.
intermediate Certification Authorities if a contract of Authorities if a contract of Authorities	
Star System Center Updates Publisher 2011	SCIIP 2011 is now installed and
Home Folders	configured
Create Import Edit Assign Duplicate View Delete Export Publish Expire Reactivate	
All Software Updates Overview All Software Updates	We will go over importing our
system Lenter uppate rubisiner provides a way to create and manage your own software update catalogs for use with Microsoft System Center products.	catalog into SCUP 2011 in the
Recent Alerts (0) - Last updated: 6/16/2014 4:53:29 PM Refresh V	next guide.
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Getting Started v	
Add Partner Software Updates Catalogs Add partner software update catalogs to import into System Center Updates Publisher.	
Updates Import Software Updates Catalogs Import software updates catalogs states Publisher.	
Publications Create Software Updates Create a software update to publish or export. Publish or export.	
Configure WSUS and Signing Certificate Provide the settings needed to publish software updates to a Windows Server Update Services (WSUS). Assign Updates to a Publication v	
Ready	