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Overview of the Centero Software Manager

Last Modified on 17/07/2018 12:28 pm EEST

Centero Software Manager (CSM) automatizes the annoyingly frequent security updates for the widely used, free third party applications and prevents vulnerabilities. For more general information regarding on CSM, visit our public [website](#) .

In this website you can find information about our General Terms including Service Description an technical information about CSM.

Available Service Applications in the Centero Software Manager service

Last Modified on 17/07/2018 4:59 pm EEST

Summary list

Adobe AIR
Adobe Flash Player ActiveX
Adobe Flash Player Plugin
Adobe Reader DC
Adobe Reader XI
Adobe Shockwave Player
Apple iTunes
Apple QuickTime
Citrix Receiver
FoxIt Reader
Google Chrome
Igor Pavlov 7-Zip
KeePass Password Safe
K-Lite Mega Codec Pack
Martin Prikryl WinSCP
Microsoft Power BI Desktop
Microsoft Silverlight
Mozilla Firefox
Mozilla Firefox ESR
Notepad++
Oracle Java Runtime Environment 7
Oracle Java Runtime Environment 8
Paint.NET
Pdfforge PDFCreator
Simon Tatham Putty
Skype Technologies Skype
VideoLAN VLC Media player

Detailed list

If application is available in different languages, architectures or technologies then different options are separated by commas in languages, architectures and technologies columns. Every

language, architecture or technology (MSI or App-V) version is considered to be a unique application in General Terms.

In architectures following values are available:

- x86/x64: Application is x86 but can be used in x86 and x64 platforms
- x86: Application is x86 and can be used only in x86 platforms
- x64: Application is x64 and can be used only in x64 platforms

Languages	Architectures	Technology	Prerequisites
-----------	---------------	------------	---------------

Adobe Flash Player ActiveX

EN	x86/x64	MSI	
EN	x86/x64	App-V	

Adobe Flash Player Plugin (NPAPI)

EN	x86/x64	MSI	
EN	x86/x64	App-V	

Adobe Reader XI

EN	x86/x64	MSI	
EN	x86/x64	App-V	
FI	x86/x64	MSI	
FI	x86/x64	App-V	
MUI	x86/x64	MSI	
MUI	x86/x64	App-V	

Adobe Reader DC

EN	x86/x64	MSI	
EN	x86/x64	App-V	
FI	x86/x64	MSI	
FI	x86/x64	App-V	
MUI	x86/x64	MSI	
MUI	x86/x64	App-V	

Adobe Shockwave Player

EN	x86/x64	MSI	
----	---------	-----	--

	Languages	Architectures	Technology	Prerequisites
--	-----------	---------------	------------	---------------

Apple iTunes				
--------------	--	--	--	--

EN	x86		MSI	
EN	x64		MSI	

Apple QuickTime				
-----------------	--	--	--	--

EN	x86/x64		MSI	
EN	x86/x64		App-V	

Citrix Receiver				
-----------------	--	--	--	--

EN	x86/x64		MSI	
----	---------	--	-----	--

Dominik Reichl KeePass Password Safe				
--------------------------------------	--	--	--	--

EN	x86/x64		MSI	
EN	x86/x64		App-V	

dotPDN LLC Pain.NET				
---------------------	--	--	--	--

Microsoft .Net Framework 4.6.1 or later

EN	x86		MSI	
EN	x86		App-V	
EN	x64		MSI	
EN	x64		App-V	

Google Chrome				
---------------	--	--	--	--

EN	x86/x64		MSI	
EN	x64/x64		App-V	

Greenshot				
-----------	--	--	--	--

EN	x86/x64		MSI	
EN	x86/x64		App-V	

Igor Pavlov 7-Zip				
-------------------	--	--	--	--

EN	x86		MSI	
EN	x86		App-V	
EN	x64		MSI	
EN	x64		App-V	

	Languages	Architectures	Technology	Prerequisites
--	-----------	---------------	------------	---------------

	EN	x86/x64	MSI	
--	----	---------	-----	--

Martin Prikyl WinSCP

	EN	x86/x64	MSI	
--	----	---------	-----	--

	EN	x86/x64	App-V	
--	----	---------	-------	--

Microsoft Silverlight

	EN	x86	EXE	
--	----	-----	-----	--

	EN	x64	EXE	
--	----	-----	-----	--

Mozilla Firefox

	EN	x86/x64	MSI	
--	----	---------	-----	--

	EN	x86/x64	App-V	
--	----	---------	-------	--

	FI	x86/x64	MSI	
--	----	---------	-----	--

	FI	x86/x64	App-V	
--	----	---------	-------	--

Mozilla Firefox ESR

	EN	x86/x64	MSI	
--	----	---------	-----	--

	EN	x86/x64	App-V	
--	----	---------	-------	--

	FI	x86/x64	MSI	
--	----	---------	-----	--

	FI	x86/x64	App-V	
--	----	---------	-------	--

Notepad++

	EN	x86/x64	MSI	
--	----	---------	-----	--

	EN	x86/x64	App-V	
--	----	---------	-------	--

Oracle Java Runtime Environment 7

	EN	x86/x64	MSI	
--	----	---------	-----	--

	EN	x86/x64	App-V	
--	----	---------	-------	--

Oracle Java Runtime Environment 8

	EN	x86/x64	MSI	
--	----	---------	-----	--

	EN	x86/x64	App-V	
--	----	---------	-------	--

Pdfforge PDFCreator

Microsoft .Net Framework 4.0.0 or later

EN	Languages	x86	Architectures	MSI	Technology	Prerequisites
----	-----------	-----	---------------	-----	------------	---------------

EN		x64		MSI		
----	--	-----	--	-----	--	--

Simon Tatham Putty

EN		x86/x64		MSI		
----	--	---------	--	-----	--	--

EN		x86/x64		App-V		
----	--	---------	--	-------	--	--

Skype (consumer version)

EN		x86/x64		MSI		KB2999226 or later (Windows 7)
----	--	---------	--	-----	--	--------------------------------

EN		x86/x64		App-V		KB2999226 or later (Windows 7)
----	--	---------	--	-------	--	--------------------------------

VideoLAN VLC Media Player

EN		x86		MSI		
----	--	-----	--	-----	--	--

EN		x64		MSI		
----	--	-----	--	-----	--	--

FI		x86		MSI		
----	--	-----	--	-----	--	--

EN		x86		App-V		
----	--	-----	--	-------	--	--

EN		x64		App-V		
----	--	-----	--	-------	--	--

FI		x86		App-V		
----	--	-----	--	-------	--	--

Available Service Applications for a Trial

Last Modified on 14/02/2018 12:35 pm EET

The following Service Applications are available in a free trial.

Adobe AIR

Adobe Flash Player ActiveX

Adobe Flash Player Plugin

Adobe Reader DC

Adobe Reader XI

Adobe Shockwave Player

Citrix Receiver

Google Chrome

Igor Pavlov 7-Zip

Microsoft Silverlight

Mozilla Firefox

Mozilla Firefox ESR

Notepad++

VideoLAN VLC Media player

Professionally packaged applications

Last Modified on 17/07/2018 4:51 pm EEST

When there are separate 32 and 64 bit versions of application available, those can be separately included to service. Application language can be selected from English and Finnish when different languages are available from vendor. Other language versions are possible to include in the service as [customer specific packages](#) .

Maintain also organization specific applications

Last Modified on 17/07/2018 5:19 pm EEST

Organization specific applications can be maintained using separate distribution or device configuration management systems but distribution can also be done by using Centero Software Manager. In this case organization specific application to be included in service is ordered from Centero as additional service.

Applications ordered as additional service can be packaged in addition to MSI or App-V format by using other application virtualization technologies like VMWare ThinApp, Symantec Workspace Virtualization or Micro Focus Application Virtualization.

These customer specific applications are packages using customer configuration and settings, otherwise using same best practises as in general utility software packaging. Customer packages are also tested in operating system specified by customer so that quality is always as high as possible.

Flexible application distribution process definitions

Last Modified on 17/07/2018 5:12 pm EEST

More time for business task when packaging work included in service but also from application distributions, whatever the previous distribution process has been. Centero Software Manage will automate whole distribution process without compromising any organization specific needs in distribution process.

Distribution process can be configured to include different distribution phases, target devices, schedule and interval of specified phases. For example, distribution process could contain

1. technical testing,
2. first level testing,
3. second level testing and
4. final production distribution phases.

Fine-grained distribution configurations can be defined in process and also model organization specific needs to be included in distribution process.

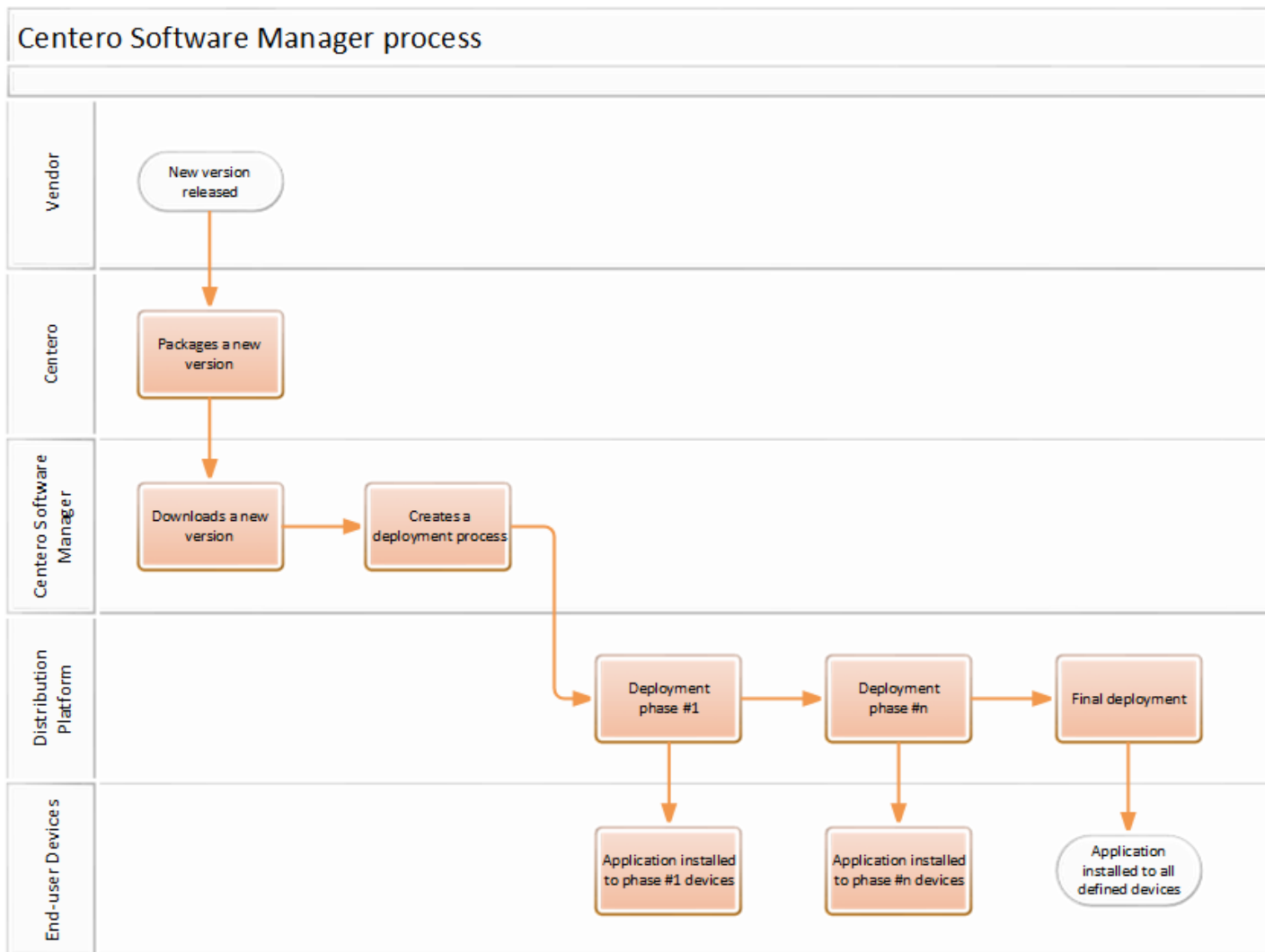
Centero Software Manager can distribute new versions to devices but also handles updating of old versions on devices. In addition to installing and updating applications also application removal can be performed.

Service can be used to include only installation packages. This could be useful if distributions will be added manually to system that can be used to distribute applications. In this case customer receives notification when new versions are available and then installation package can be downloaded from Centero Portal.

Process description for CSM for SCCM and WSUS

Last Modified on 17/07/2018 5:18 pm EEST

Centero Software Manager process main tasks are illustrated in picture below.



System requirements

Last Modified on 21/10/2016 1:08 pm EEST

System requirements for CSM application:

- Microsoft supported operating system
- Microsoft .Net Framework 4.x
- 100Mb of free disk space for CSM application
- Network share fro downloaded applications
 - At least 50Gb of free disk space
- SCCM management components including PowerShell modules for SCCM
- Administrative level user account for installation
- HTTP/HTTPS access from server to portal.centero.fi address

SCCM requirements

Last Modified on 10/04/2017 12:01 pm EEST

SCCM requirements for CSM application:

- Supported SCCM version:
 - SCCM Current Branch
 - SCCM 2012 R2
- At least one distribution point group
- Collections that will be used on deployments
- Service account that fulfils these requirements:
 - Password does not expire
 - At least Application Administrator role in SCCM
 - Administrative access to server (where CSM application will be installed) or at least these permissions:
 - Full Control to "HKEY_LOCAL_MACHINE\SOFTWARE\Centero\Agent" registry key
 - Modify permissions to "%programData%\Centero\Software Manager" folder structure (this folder structure is created during CSM application installation but can be created manually before installation)
 - Modify permissions to network share where applications will downloaded

Preparation checklist

Last Modified on 16/02/2017 11:35 am EET

Use following check list to verify that your environment is ready for CSM installation and you have planned the deployment processes for applications.

Step name	Article
1. Verify system requirements	System requirements
2. Verify SCCM requirements	SCCM requirements
3. Verify SCCM configuration	SCCM configuration
3. Choose how to name applications in Application catalog	Application Catalog
4. Plan and document deployment processes for applications	Deployment processes

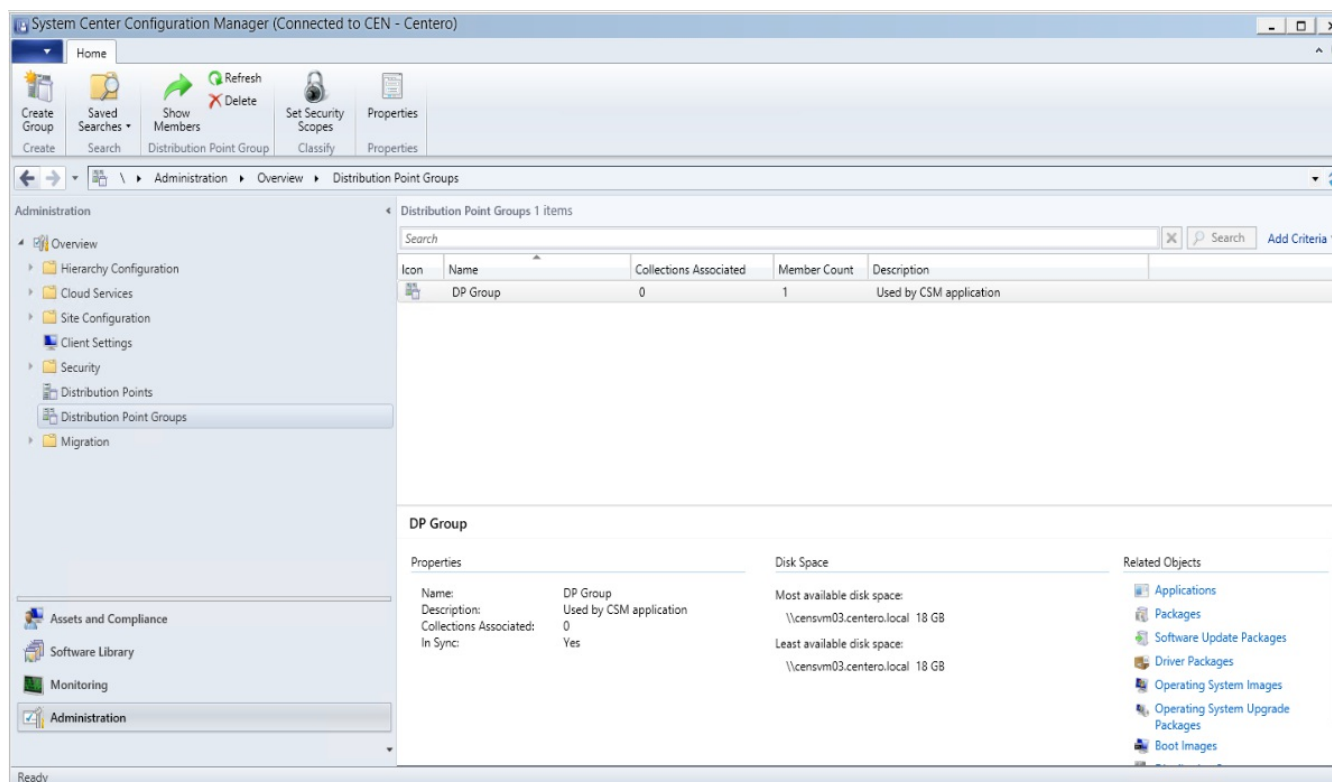
SCCM configuration

Last Modified on 16/02/2017 11:04 am EET

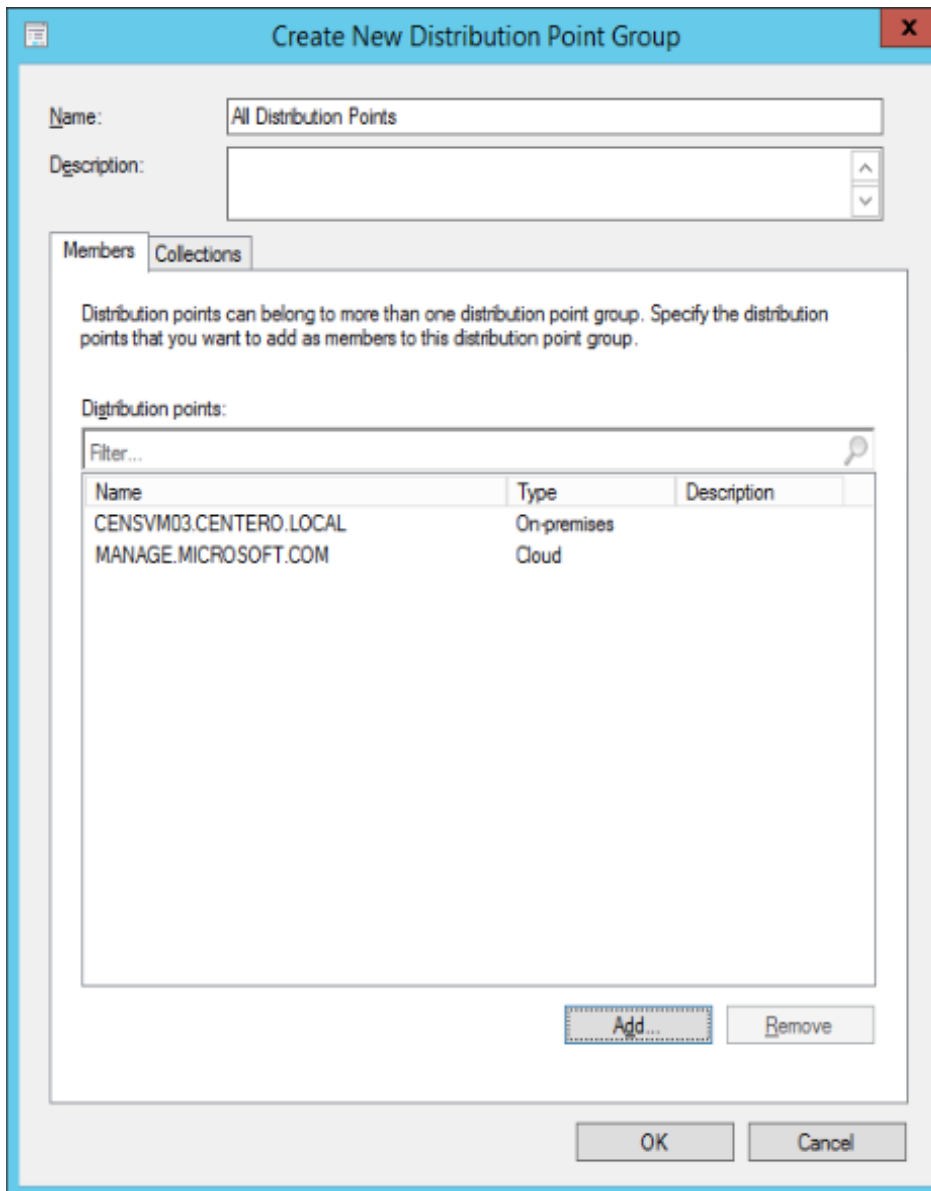
Check and create when needed following SCCM configurations before CSM installation:

- Distribution Point Groups

CSM targets deployment content to distribution point groups. Therefore, you need to have at least one distribution point group created in SCCM. You can select distribution point group for each deployment process in CSM so several distribution point groups can be used. Create distribution point groups so, that each application the CSM will deploy, you can select distribution point group that delivers the content to correct distribution points. Usually on distribution point group that contains all distribution points is enough for all applications that CSM deploys.



- Distribution point groups are created from SCCM console on Administration\Overview\Distribution Point Groups. If required click 'Create Group' toolbar icon to create a new distribution point group



Specify a name for the distribution point group and then select required distribution point locations where content should be replicated by SCCM whenever this distribution point group is used

- Collections

SCCM targets deployments to collections. Therefore you need to have collections where you target application deployments according to specified deployment processes. Deployment processes can include one or more applications and one or more deployment steps. Deployment process steps are used for creating testing deployments before production deployment. Create collections that contain correct devices or users for each deployment process step. Collections are created on SCCM console on Assets and Compliance\Overview\User and Assets and Compliance\Overview\Device Collections.

Collection members can be managed manually on SCCM console or members are included

based on SCCM database information, like AD OU location of the object, AD Group memberships, inventory information collected from devices. Collections can also include or exclude members that are members of other collections. This can be used to exclude some computers from deployment processes.

- Application root folder

CSM application will create new folder structure to SCCM \Software

Library\Overview\Application Management\Applications. You can specify the root folder name that will be create under Applications. All applications added by CSM will be created under this root folder. By default, the root folder named 'Software Manager' will be created but this can be changed.

Application Catalog

Last Modified on 21/10/2016 1:28 pm EEST

CSM application can be configured to name deployed applications in application catalog. By default naming contains applications publisher, name, version, language and architecture. This can be changed if applications should be named in application catalog using different format. Also application description that is shown on application catalog can be defined in CSM configuration.

Decide how applications should be named in application catalog and how description of the application should be created. This information is needed when CSM is installed if default values are not sufficient.

Default values

- Application name: [PUBLISHER] [NAME] [VERSION] [LANGUAGE] [ARCHITECTURE]
- Application description: [PUBLISHER] [NAME] [VERSION] [LANGUAGE] [ARCHITECTURE]
([INSTALLERTYPE])

Deployment processes

Last Modified on 21/10/2016 1:31 pm EEST

CSM deployment process defines how applications linked to deployment process are deployed to devices and/or users. Deployment process contains one or more steps that are scheduled. Each step is targeted to single SCCM collection and contain desired deployment steps. Each deployment process step creates SCCM deployment to application. Deployments are created immediately after application has been created to SCCM, but each deployment is sheduled according to scheduled defined in deployment process steps.

Usually deployment processes contain two or three steps. If two steps are used, then then single testing collections is used to verify that new application version works in test computers. If three steps are used then testing is done in two phases, usually technical testing is done first by users who are IT orientated (like IT department users). Second testing step is then targeted to users that are able to test most critical business applications. Then last step in each case is the production deployment.

Time for each deployment process step can be defined using available time and deadline time. Available time specifies when application is available for installation and deadline time specifies when application deployment is forced if user has not started the deployment. Usually from available time to deadline time is two or three days.

Decide how applications should be deployed to devices and/or users. This information is needed after CSM is installed and before applications can be deployed. Find out answers to following questions to create deployment processes:

- How many test deployments are required before production deployment?
- Target type for each deployment process step, device or users?
- Deploy purpose for each deployment process step, available or required?
- User notification level for each deployment process step, all, Software Center only or none?
- How much time you want to give to users to install applications before forced deployment (available time)?
- Email notifications for deployments
 - One email per application, email from each deployment step or both
 - Recipients for each notification
 - Is custom email templates required?
- Can all applications be deployed with same settings to same collections using same

deployment steps?

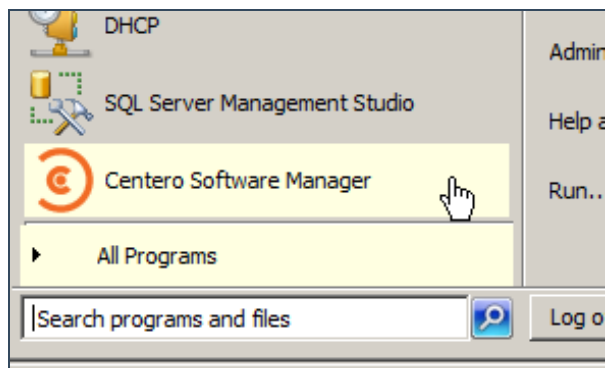
Following Excel workbook can be used as a template when designing deployment processes. This file can be freely modified to your desing needs. File can't be used to import deployment processes to CSM so this template file is just a tool for the design phase.

Download the Excel fille: [Deployment Processes.xlsx](#) 

CSM for SCCM - Configuration wizard

Last Modified on 02/10/2017 1:34 pm EEST

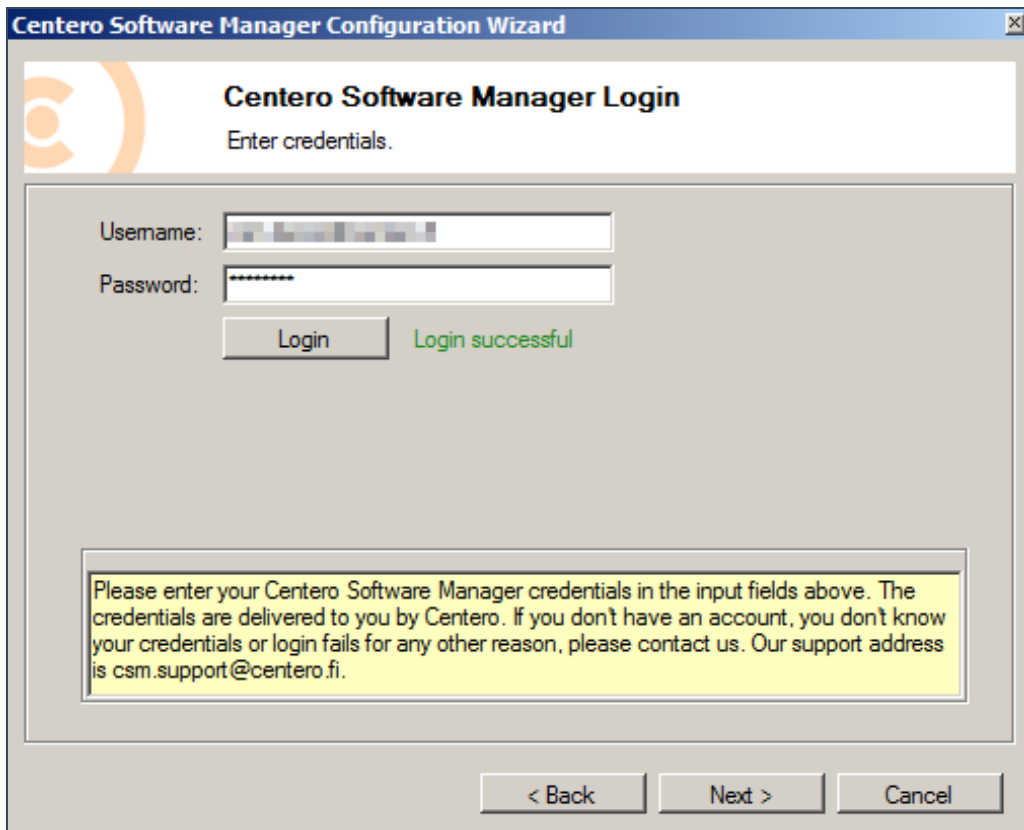
1. After installation is complete, launch Centro Software Manager from Windows Start Menu.



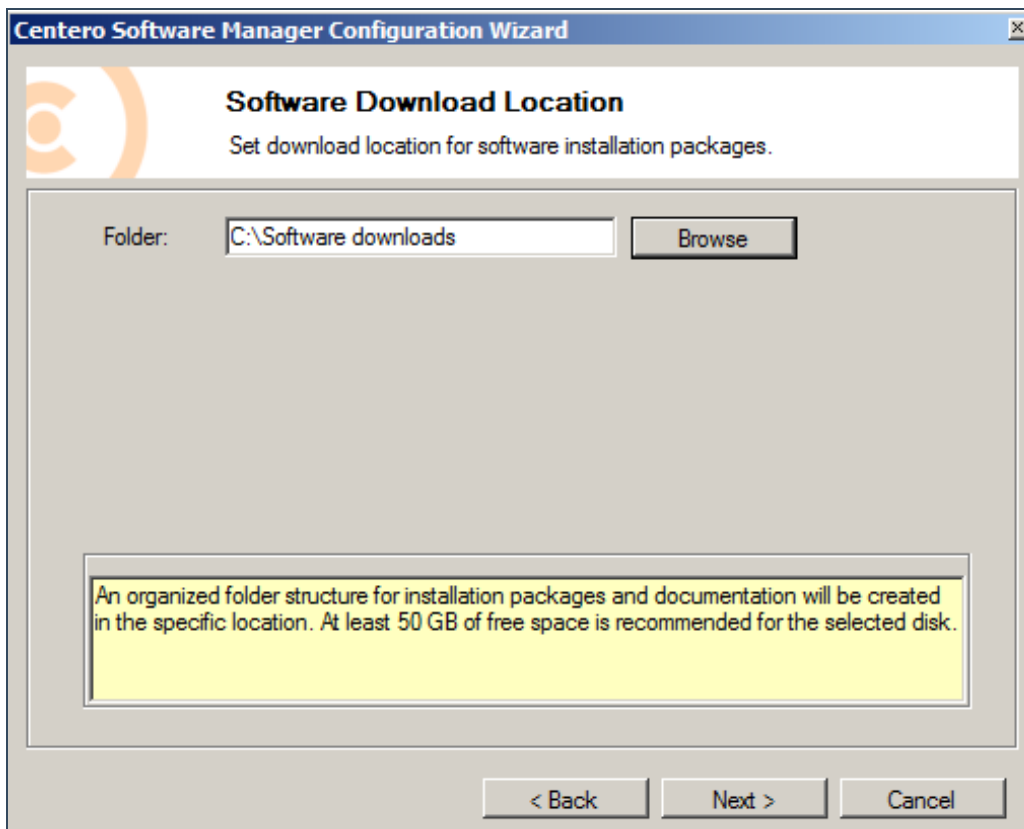
2. Proceed with the wizard by clicking next.



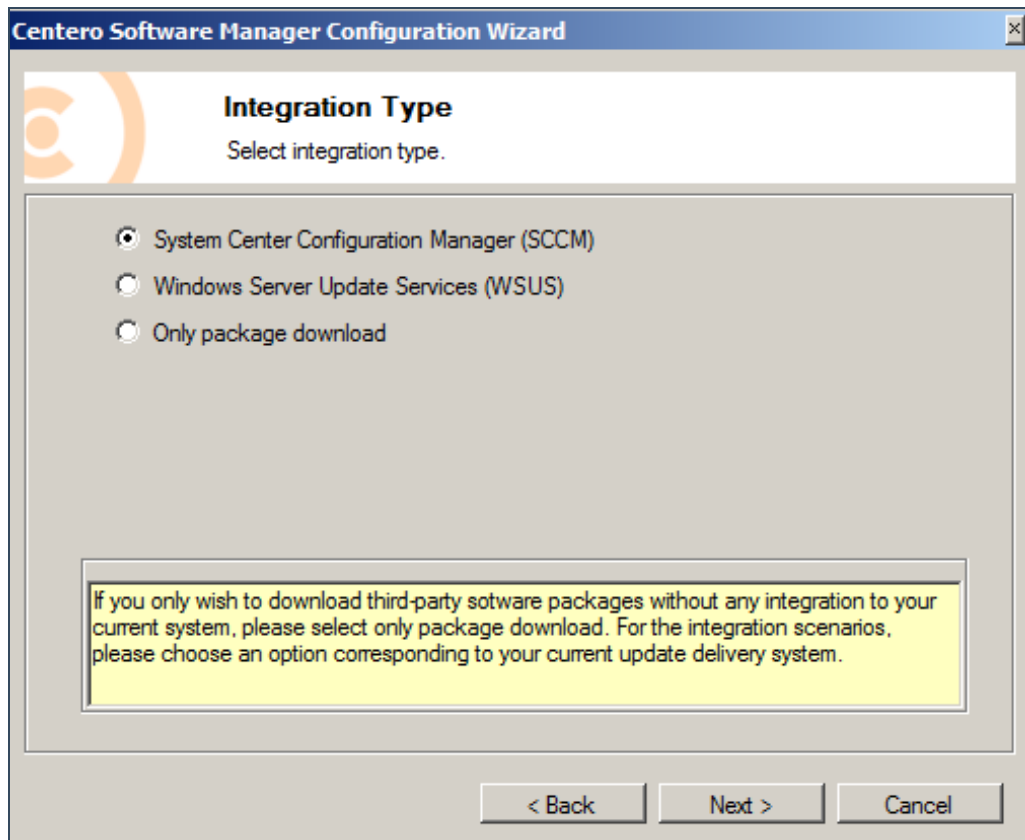
3. CSM requires organization specific credentials to connect cloud for managing chosen 3rd party software. Input the credentials and click login. The wizard will now inform of successful login. Proceed by clicking next.



4. CSM downloads 3rd party software to a chosen location. Browse for a suitable location and proceed by clicking next.



5. Select the integration type. Since we are installing CSM for SCCM it's obviously the following. Proceed by clicking next.

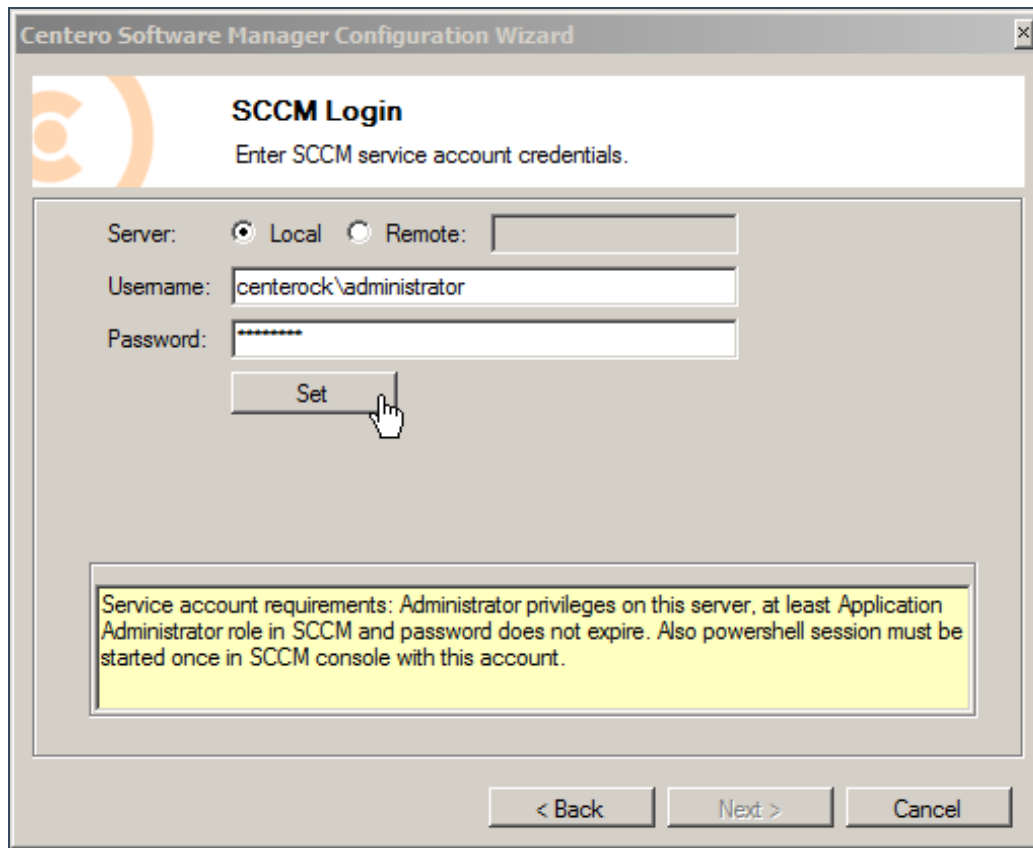


6. CSM can be either installed on the SCCM server or on a remote server. Nevertheless, there must be a SCCM console enabled on the target server.

Please choose if CSM for SCCM is installed on SCCM server or on a remote server. If a remote server is selected the server DNS-name must be inputted.

CSM for SCCM uses a service account. The account must have local administrator privileges on the server CSM is installed. In addition to that [a powershell session must have been started](#) at least once before. The service account also must have Application Administrator role defined in SCCM.

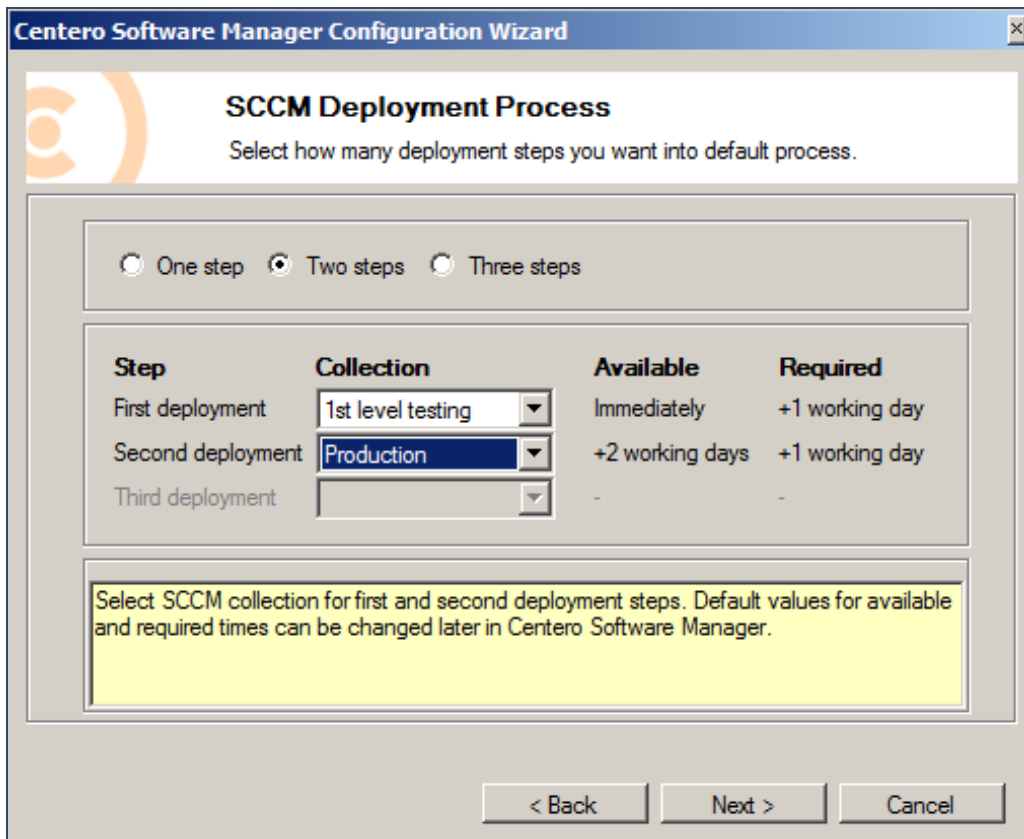
When all the necessary prerequisites are met the service account credentials can be input to username and password fields. Proceed by clicking **Set**-button. CSM wizard then validates credentials and creates a new service. When this is done please proceed by clicking **Next**.



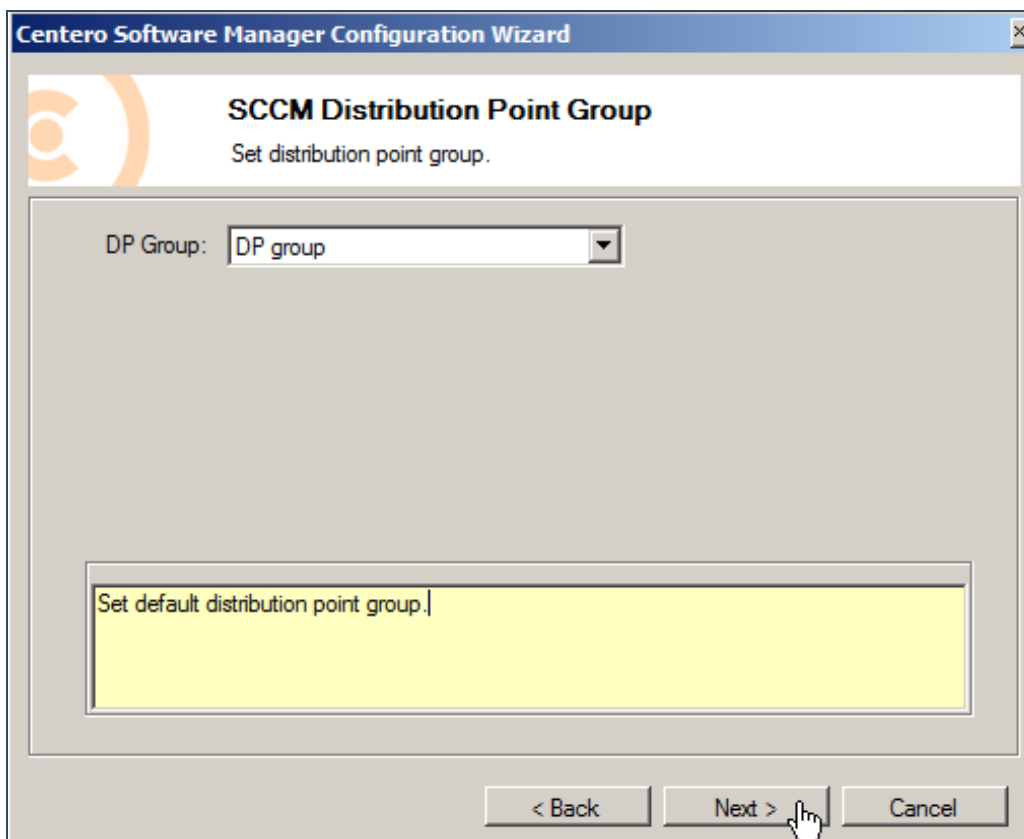
7. CSM for SCCM configuration wizard enables SCCM deployment process to be defined. It is *important* to know that these settings can be modified later on in a more advanced way in CSM for SCCM control panel.

In this view it's possible to define how many steps there are in software deployment (or in patch management / software updating).

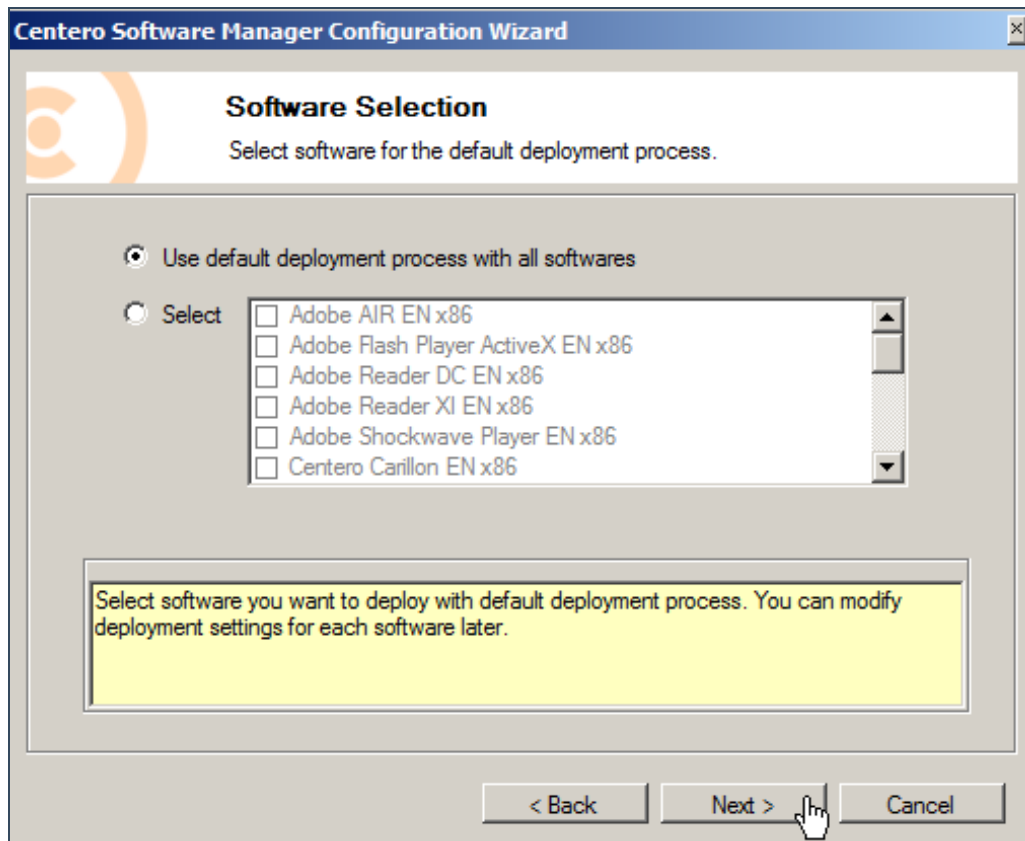
In these instructions we have used so called **two steps** deployment process. It means that all the newer versions of the managed 3rd party software are first deployed to our **1st level testing** group and after some proper testing and specified delay the same 3rd party software are deployed to our **production** group.



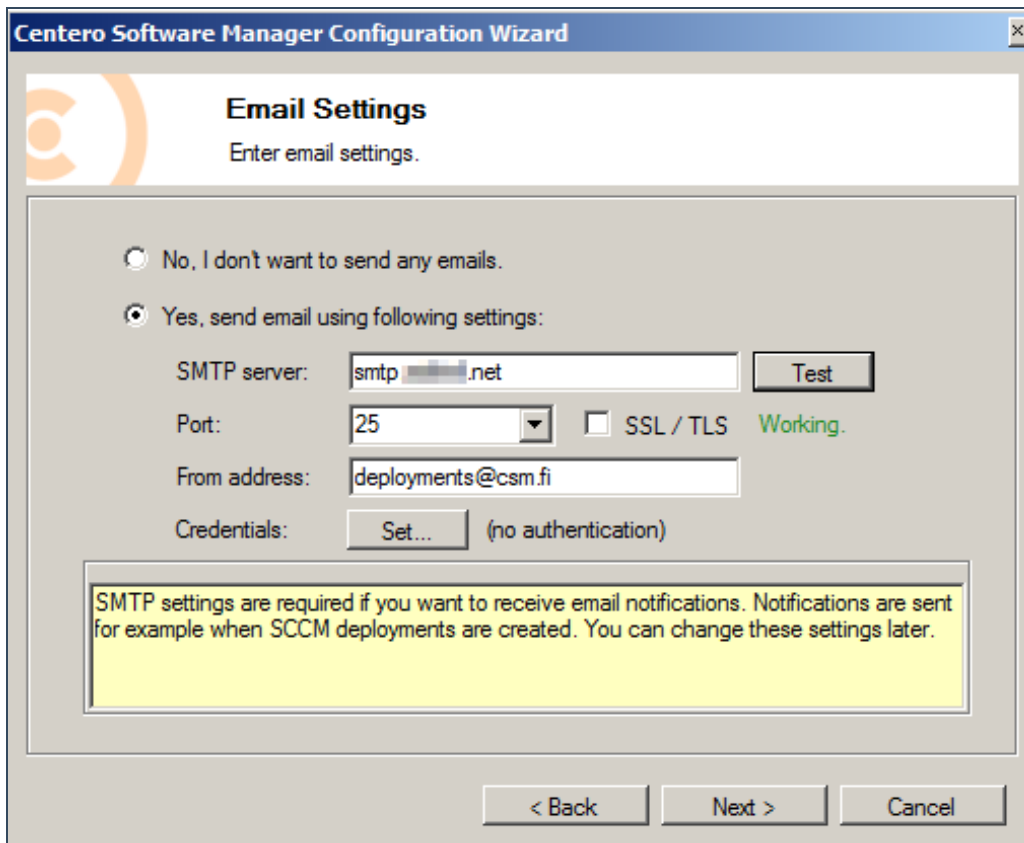
8. Choose a distribution point group and proceed by clicking **Next**.



9. At this point it's possible to choose which 3rd party software are to be used with the recently defined default deployment process. You can choose the first option which enables all the 3rd party software that are subscribed to your account. The second option makes it possible to select specific 3rd party software to be used with the default deployment process.



10. CSM for SCCM can be configured to send e-mail when new versions of 3rd party software are deployed. If you wish to receive notifications by e-mail please input valid configuration.



The mail configuration can be tested by clicking test. You should receive a similar message if the defined configuration are valid.



11. This is the last step of the wizard. In most of the cases we recommend to select **No** and review the configuration once more in CSM for SCCM. If you are completely certain about the defined configuration you can start automatic deployments right away by selecting **Yes**.

After clicking **Finish** the wizard will close and CSM for SCCM will launch.

Configuration done!

Start automatic deployments now?

- Yes.
- No, I start automatic deployments manually later.



< Back Finish Cancel

Centero Software Manager

Centero Software Manager

Software | SCCM Integration | Settings | Email Templates | Scheduled Tasks

Available software

Refresh Start download Retry Delete Stop deployments Username: Password: Login Ok

Software	Version	Download status
Microsoft Office 2010	26.0.0.127	Not ready
Microsoft Office 2010 SP1	26.0.0.151	Not ready
Microsoft Office 2010 SP2	15.023.20070	Not ready
Microsoft Office 2010 SP3	11.0.18	Not ready
Microsoft Office 2010 SP4	12.2.9.199	Not ready
Microsoft Office 2010 SP5	2.1.5009.46	Not ready
Microsoft Office 2010 SP6	1.0.0	Not ready
Microsoft Office 2010 SP7	1.0.5002	Not ready
Microsoft Office 2010 SP8	2.34	Not ready
Microsoft Office 2010 SP9	59.0.3071.86	Not ready
Microsoft Office 2010 SP10	5.1.50901.0	Not ready
Microsoft Office 2010 SP11	55.0.3	Not ready
Microsoft Office 2010 SP12	45.9.0	Not ready
Microsoft Office 2010 SP13	7.3.2	Not ready
Microsoft Office 2010 SP14	7.3.3	Not ready
Microsoft Office 2010 SP15	7.31.104	Not ready
Microsoft Office 2010 SP16	2.2.6	Not ready

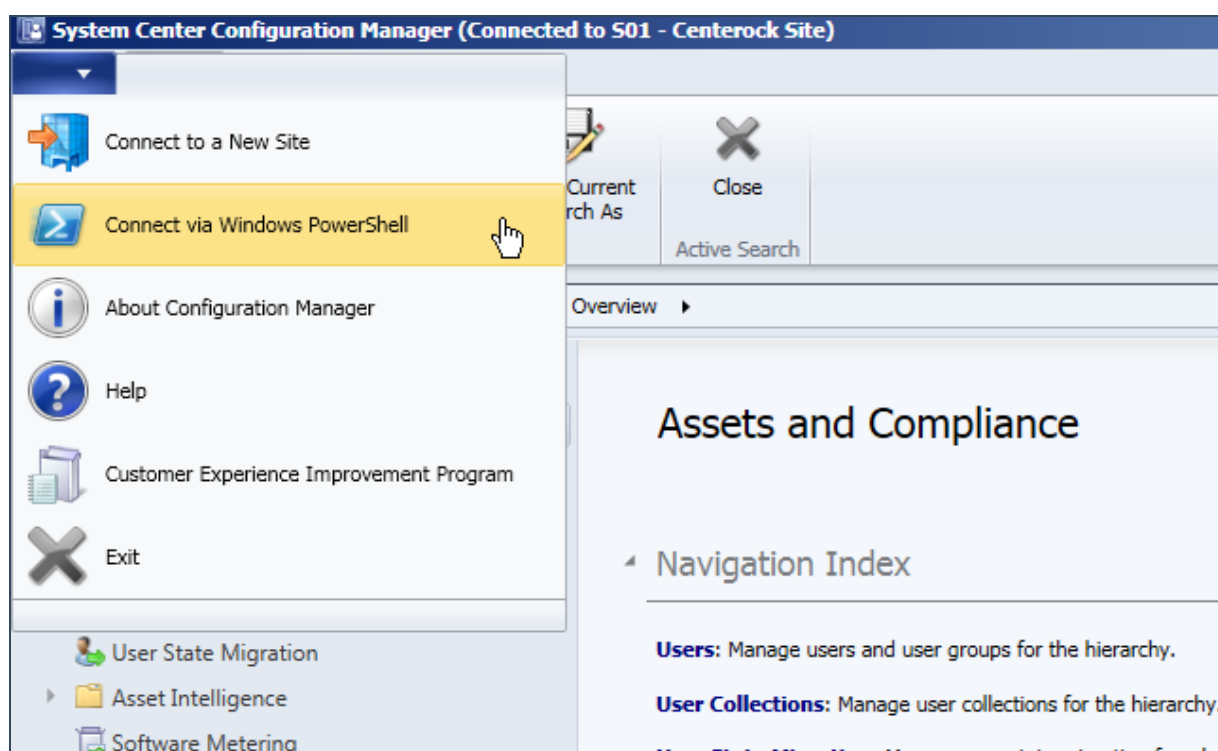
Apply Close

Open a Windows PowerShell connection on CSM for SCCM server

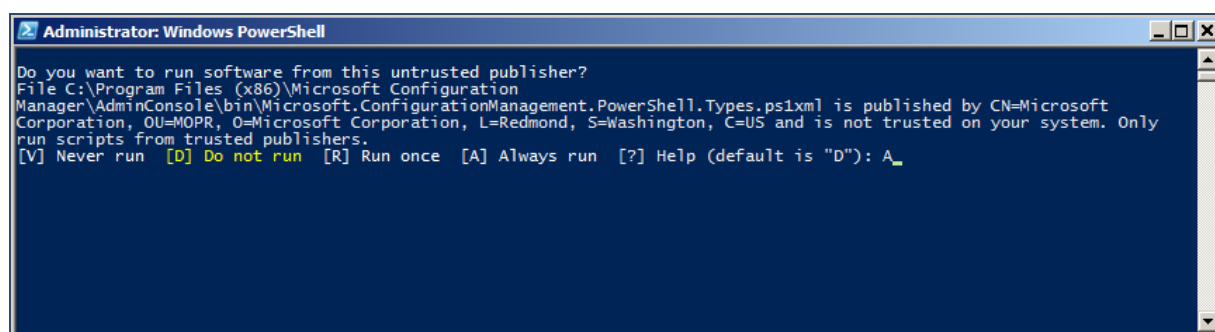
Last Modified on 02/10/2017 1:33 pm EEST

In order for CSM for SCCM to function properly the service account must meet the requirements. One of the requirements is a valid PowerShell interface connection. It can be allowed in a following way.

1. Open System Center Configuration console and select Connect via Windows PowerShell.



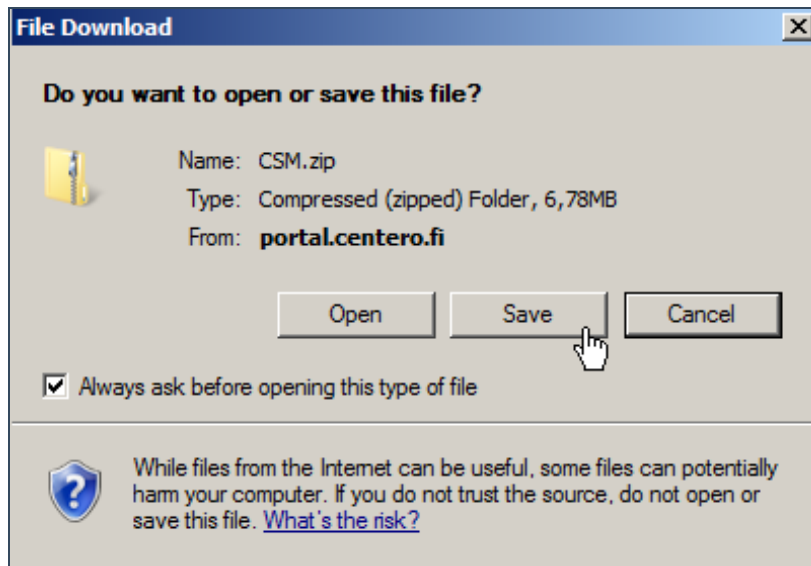
2. Enable the interface connection by choosing A as always run.



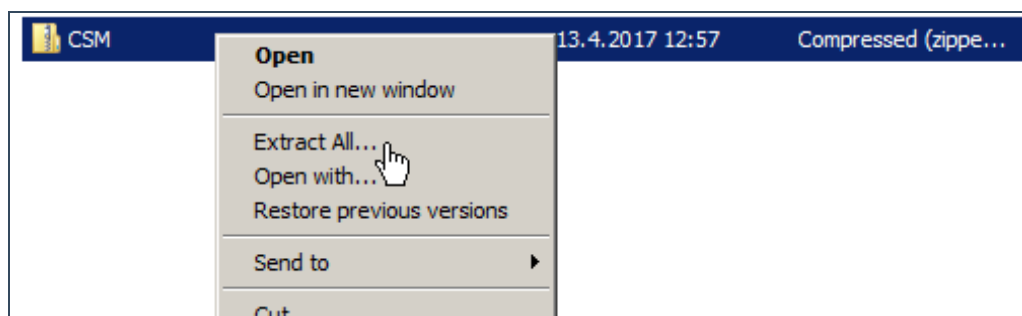
CSM for SCCM - Downloading and extracting CSM

Last Modified on 02/10/2017 1:29 pm EEST

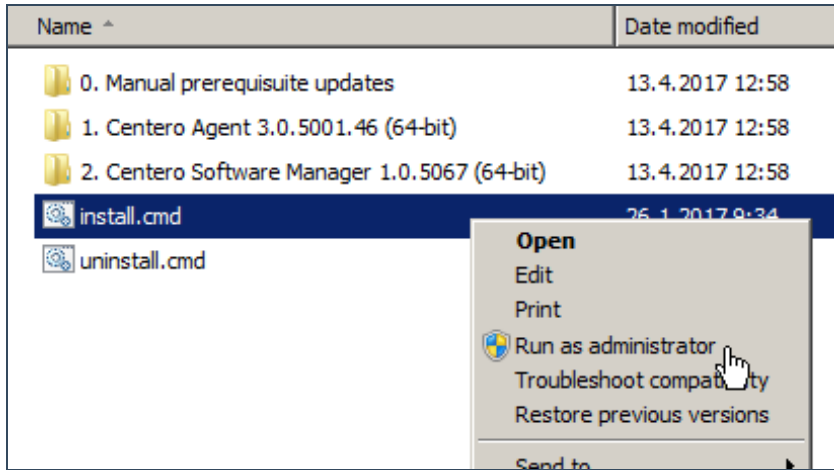
1. Download the CSM.zip from <http://portal.centero.fi/Data/CSM.zip> and save it to the server or remote console which will be used in CSM for SCCM deployment.



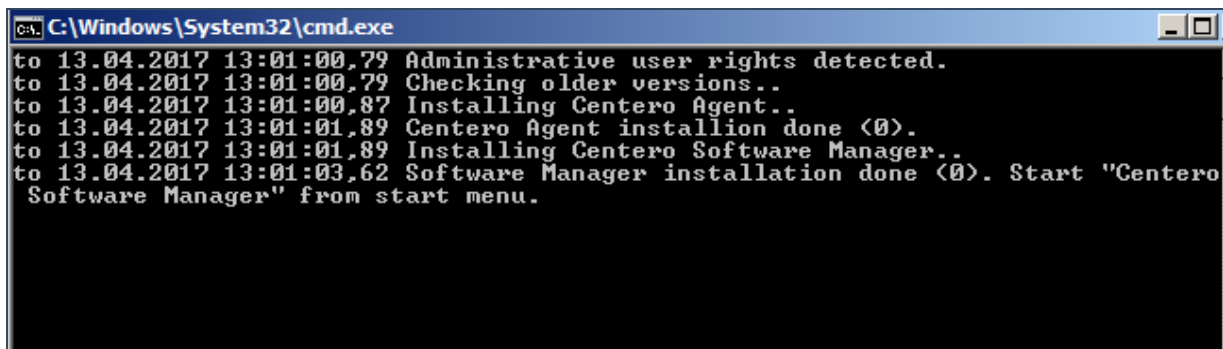
2. Extract the package and open the folder.



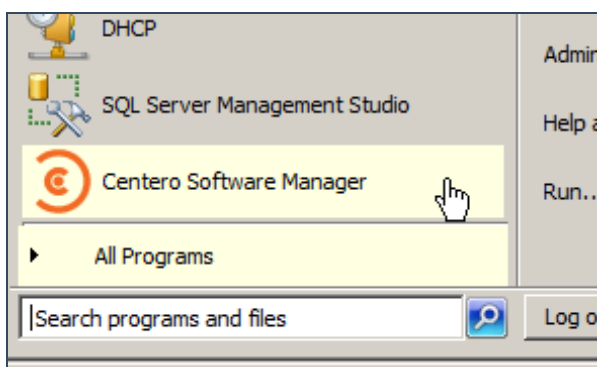
3. Run `install.cmd` as administrator.



4. Installation proceeds quickly and command prompt notifies when the installation is complete.



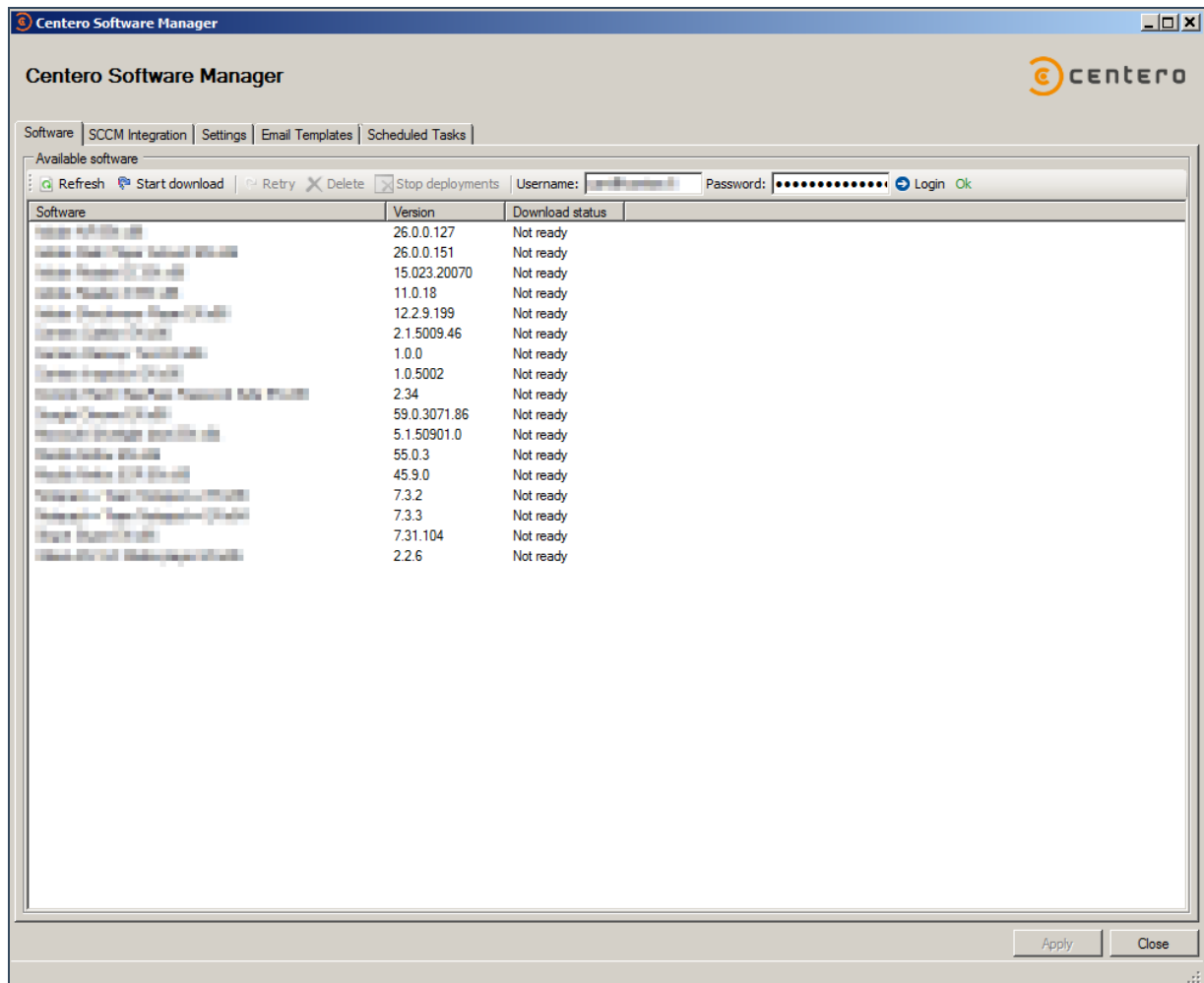
5. CSM for SCCM can be now launched from start menu.



CSM for SCCM - Advanced configuration after the initial wizard

Last Modified on 02/10/2017 1:37 pm EEST

1. After the initial configuration wizard has completed CSM for SCCM launches. The default view is **Software** tab. It shows the most recent versions of 3rd party software and their status whether they are downloaded or deployed.



2. **SCCM-integration** tab is basically the view where all the advanced configuration can be defined. The view has 3 sub tabs.

General settings

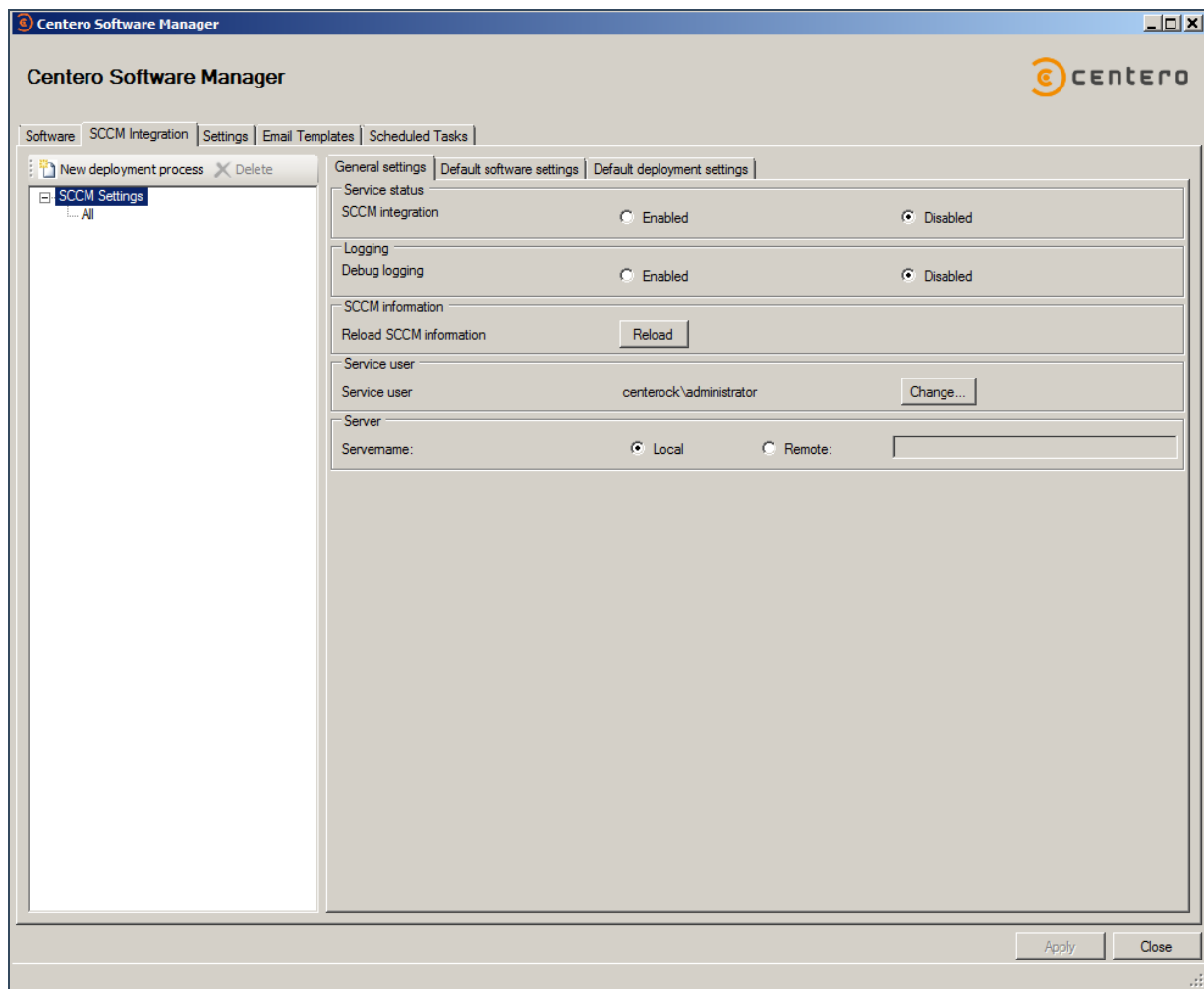
Service status - SCCM integration is basically the on/off button of CSM for SCCM. The solution only downloads and deploys 3rd party software when it's in **Enabled** state. As a side note, it's important to understand that setting integration to **Disabled** only stops the future deployments but does NOT affect the existing ones.

Logging - Debug logging enables logging for debug purposes.

SCCM information - Reload SCCM information is a function to reload information such as distribution groups in CSM.

Service User is the account used to run CSM for SCCM. This service account does the necessary background tasks such as initiating download of the newer 3rd party software versions.

Server - Server name is selected to **Remote** in order to use a remote server. In this case a valid server DNS name is required.



Default software settings

General settings

File system root folder for packages is the location where all the 3rd party software packages are downloaded.

SCCM root folder for packages is a name for container that appears in SCCM console in Applications section. All the imported 3rd party packages will be placed into it.

Send logs to Centero enabled / disabled

E-mail notification

Template name decides which e-mail template you wish to use.

Email address is the address shown to receiver of the notifications.

Application catalog

Application Description with this option you can construct a description for 3rd party software in SCCM.

Application Name with this option you can construct a name for 3rd party software in SCCM.

Advanced settings

Distribution point group is a selection which group you want to use.

Application category can be used if you want to use it in application catalog.

Slow network mode can be set download / download content / nothing.

Fast network mode can be set run local / run from network.

Persistent content in client cache can be set true / false.

Allow clients to share content on same subnet can be set true / false.

Allow clients to use fallback source location for content can be set true / false.

Superseeding can be set all previous versions / all active previous versions / only previous versions / none.

Superseed version exclude can be used to leave out specific version. Version number can be input here but also regular expressions can be used.

Add operating system requirements can be set default or false.

Clear previous version has 5 options:

- Never
- Remove deployments, supersedencies and retire when latest available.
- Remove deployments, supersedencies and retire when latest required.
- Remove deployments, supersedencies when latest available.
- Remove deployments, supersedencies when latest required.

General settings	Default software settings	Default deployment settings
General settings		
Filesystem root folder for packages	\CM2012SP1\F\$\csm	
SCCM root folder for packages	Software Manager	
Send logs to Centero	True	
Email notification (all deployments as table)		
Template name		
Mail address		
Application catalog		
Application Description in application catalog	[PUBLISHER] [NAME] [VERSION] [LANGUAGE] [ARCHITECTURE] ([INSTALLERTYP	
Application Name in application catalog	[PUBLISHER] [NAME] [VERSION] [LANGUAGE] [ARCHITECTURE]	
Application help documentation in application catalog		
Advanced settings		
Distributionpoint group	DP_group	
Application category		
Slow network mode	Download	
Fast network mode	RunLocal	
Persistent content in client cache	False	
Allow clients to share content on same subnet	True	
Allow clients to use fallback source location for content	True	
Superseeding	All previous versions	
Superseed version exclude		
Add operating system requirements	Default	
Clean previous versions	Remove deployments, supersedences and retire when latest required	

Default deployment settings

This is one of the most important views in CSM. You can create a default deployment configuration here which will get copied when a new deployment process is created. The **Collections** section enables adding, removing and modifying collections in default deployment process.

Selecting a collection from a list populates its **Deployment**, **Email notification** and **Scheduling** settings.

Deployment settings

Collection name is an imported list of your collections defined in SCCM.

Collection type can be used to choose whether collection type is device or user.

Deploy purpose has 3 options: required / available / available with forced upgrade.

User notification can be set to display all and display in software center only.

Comment can be used as a custom note for deployment. By default CSM uses date as a comment.

Scheduling

Deployment time is depended when a new 3rd party software version is released and downloaded. If time is set to immediately deployment will be made right after a new version is downloaded. After option should be used when a specific delay is needed between collections or available / force installations.

Make deployment available is the time when you want to make the deployment available to a collection.

Force installation is the time when you want the deployment to be required to a collection.

Email notifications

Here you can specify a template for every collection you want. Multiple recipients for the email notification system can be added by separating them with semicolon.

General settings | Default software settings | Default deployment settings

Collections

New X Delete Move up Move down Simulated publish time: 13.09.2017 10:24

Collection	Available (simulated)	Required (simulated)
1st level testing	ti 19.9. 16:00	to 21.9. 16:00
2nd level testing	ti 26.9. 16:00	to 28.9. 16:00
Production	ti 3.10. 16:00	ti 10.10. 16:00

Deployment settings

Collection name: Production

Collection type: Device

Deploy purpose: Required

User notification: Display all

Comment:

Scheduling

Make deployment available: Immediately after 0 working days on tuesday at UTC time 16:00

And force installation: Immediately after 5 working days on any working day at UTC time 16:00

Email notifications

Template name: EmailTemplate - All deployments table

Email address: deployments@centero.fi

Apply Close

Existing deployments

Last Modified on 16/02/2017 11:34 am EET

CSM application is able to automatically supersede older versions of the application when the application has been created by CSM application. On first deployment of each application SCCM administrator must create manually the supersede settings or disable existing deployments from SCCM. Otherwise SCCM might try to install both old version and new version added by CSM application.

Check if application that will be deployed using CSM currently have deployments in SCCM. Application deployments could be created legacy Package based deployment or newer Application based deployment.

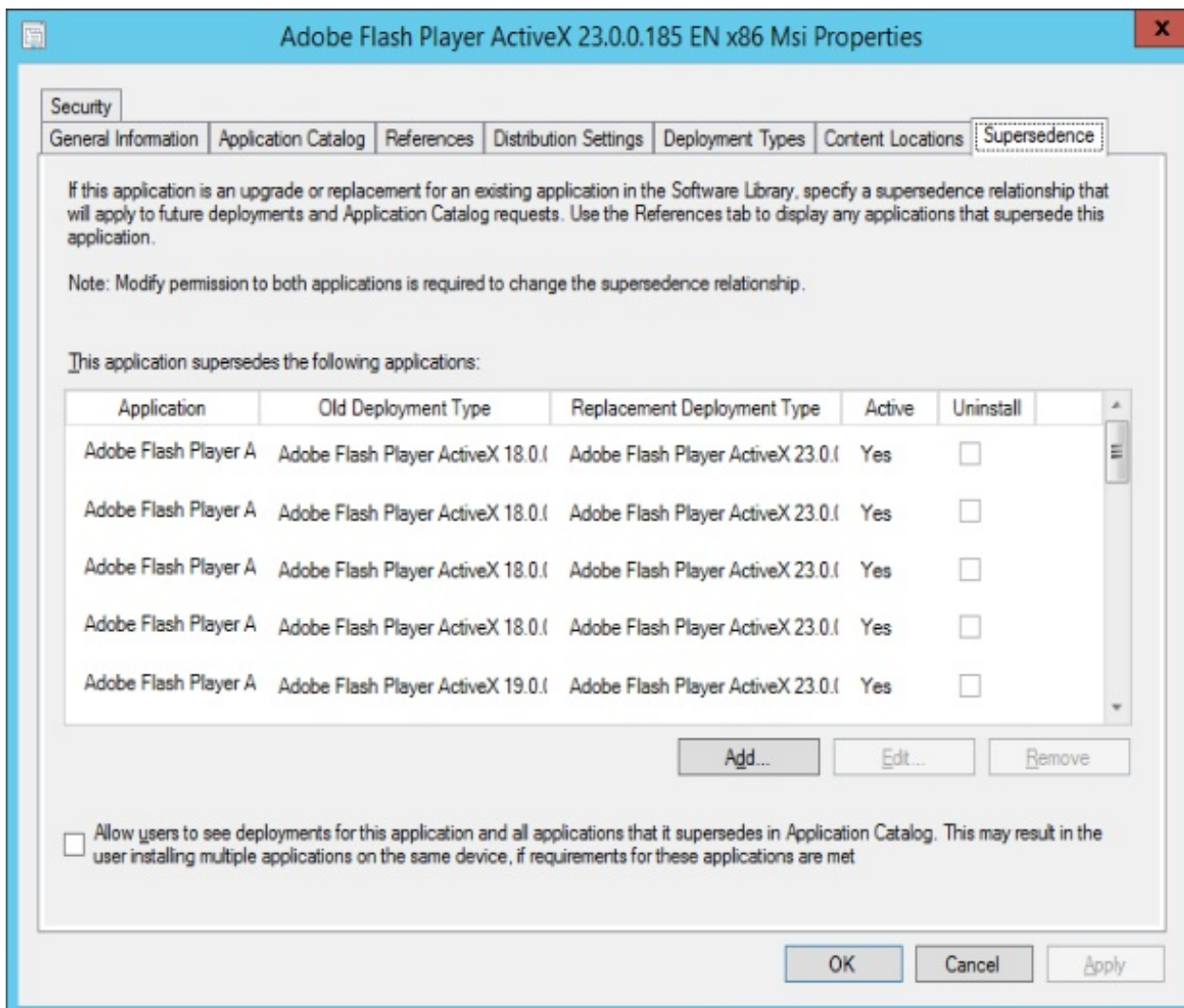
Actions for Package based deployments

Package deployments can be found from SCCM console on Software Library\Application Management\Packages structure. If existing deployment for the application to be deployed using CSM is found as Package based deployment, then you need to remove the deployments before deployment process for this application is created in CSM. This is because Package based deployments can't be superseded by newer Application based deployments that CSM is using.

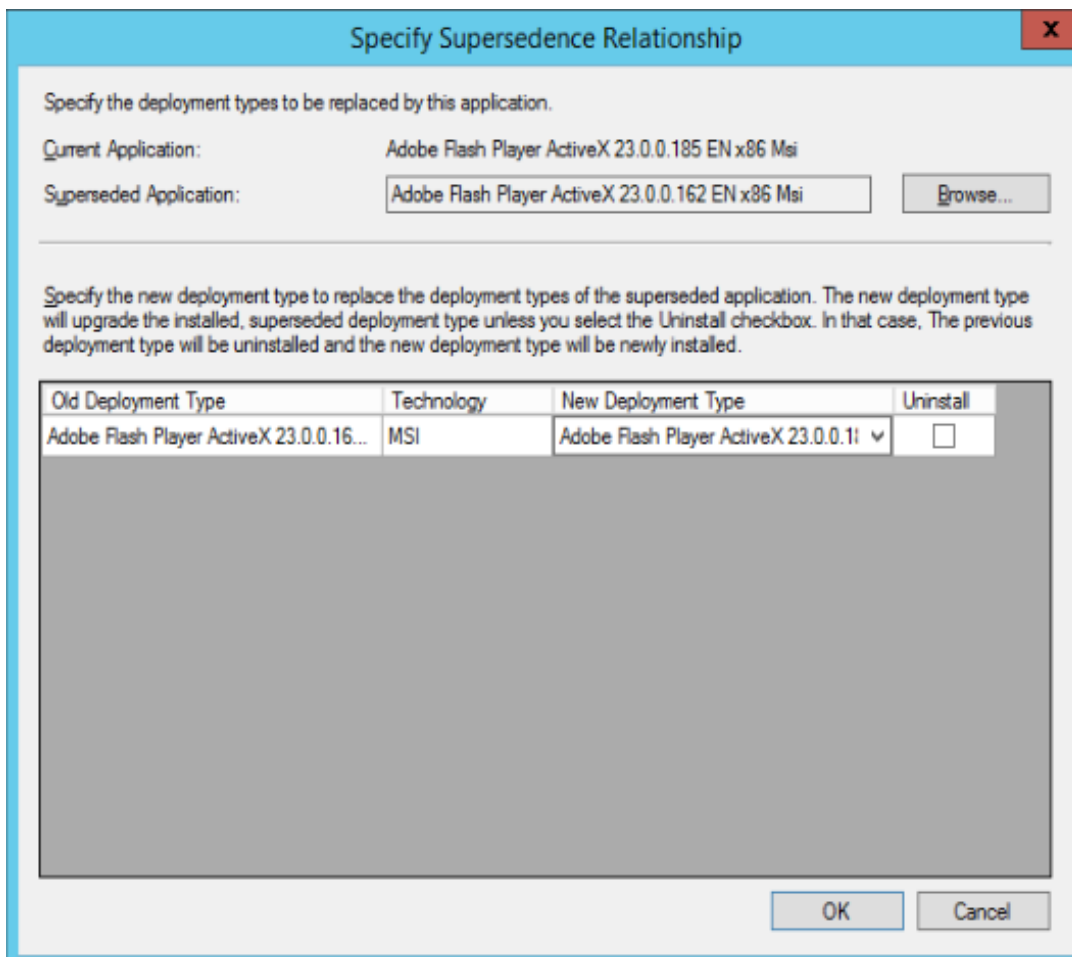
Actions for Application based deployments

Application deployments can be found from SCCM console on Software Library\Application Management\Applications structure. If existing deployment for the application to be deployed using CSM is found as Application based deployments, then you need to manually create supersede setting after CSM has created new applications to SCCM.

Supersedence is created from Supersedence tab in application properties window



New supersedence can be added by clicking 'Add...' button

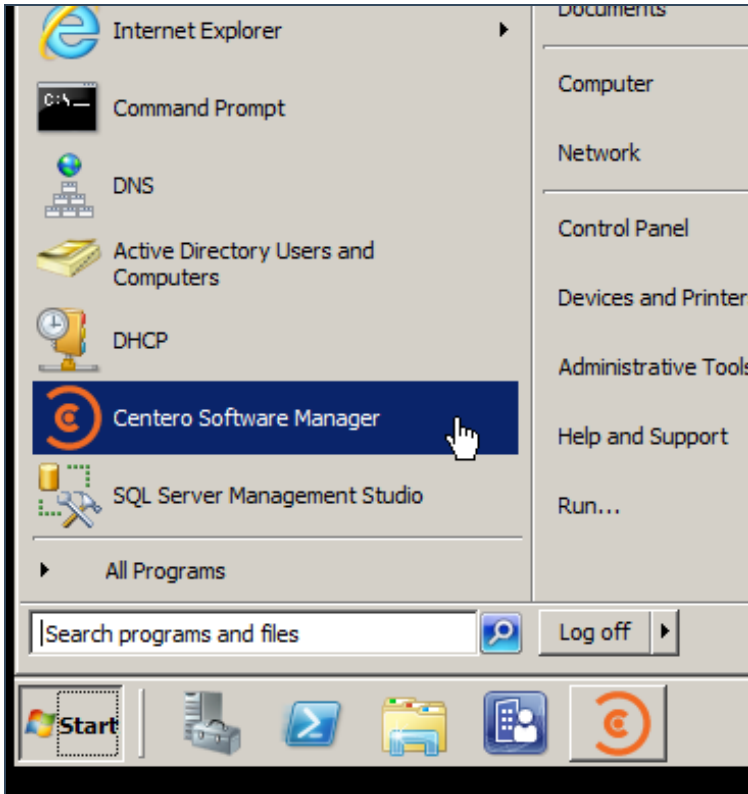


Click 'Browse...' button to search for existing application from SCCM. Then select new application created by CSM to 'New Deployment Type' column. If older version needs to be uninstalled first, then check also 'Uninstall' column checkbox. By default, you should check the uninstall checkbox if your existing deployment contains uninstall possibility. This is because Centero cannot guarantee that new application created by CSM can upgrade all existing installations of the same application. Centero can only guarantee that new versions of the application can upgrade older versions created by CSM application. Upgrade mode (Uninstall checkbox is not checked) can be tested on test devices and if it works then upgrade mode could be used but if next phase deployments starts to fail then Uninstall checkbox should be selected. In this case test that existing application can be uninstalled by SCCM (application has correct detection rules, uninstall command is specified and uninstallation works using that command).

CSM for SCCM - How to verify successful implementation

Last Modified on 16/10/2017 2:16 pm EEST

1. Start Centro Software Manager for SCCM in Start menu.



2. Check if SCCM status is in **Import successful** condition. If yes, then the deployments should be all good in SCCM.

Centro Software Manager

Software | SCCM Integration | Settings | Email Templates | Scheduled Tasks

Available software

Refresh Start download Retry Delete Stop deployments Username: csm@centero.fi Password: [REDACTED] Login Ok

Software	Version	Download status	SCCM status	SCCM Deployment Process
Adobe AIR EN x86	27.0.0.124	Completed		
Adobe Flash Player ActiveX EN x86	27.0.0.130	Completed	Import successful	Adobe Flash Player ActiveX EN x86
Adobe Reader DC EN x86	15.023.20070	Completed	Import successful	Adobe Reader DC EN x86
Adobe Reader XI EN x86	11.0.18	Completed	Import successful	Adobe Reader XI EN x86
Adobe Shockwave Player EN x86	12.2.9.199	Completed		
Centro Carillon EN x86	2.1.5011.46	Completed		
Centro Cleanup Tool EN x86	1.0.0	Completed		
Centro Inspector EN x86	1.0.5002	Completed		
Dominik Reichl KeePass Password Safe EN x86	2.34	Completed		
Google Chrome EN x86	59.0.3071.86	Completed		

CSM for WSUS - System requirements

Last Modified on 02/10/2017 1:13 pm EEST

System requirements for CSM for WSUS:

- Windows Server 2008 R2 or newer operating system
- WSUS (Windows Server Update Services) at least at version 3.2.7600.226
- Automatic approval for Updates classification must not be enabled
- Microsoft .Net Framework 4.x
- 100Mb of free disk space for CSM application
- Network share for downloaded applications
 - At least 50Gb of free disk space
- Administrative level user account for target machine of installation
- HTTP/HTTPS access from server to portal.centero.fi address

CSM for WSUS - WSUS requirements

Last Modified on 03/10/2017 3:02 pm EEST

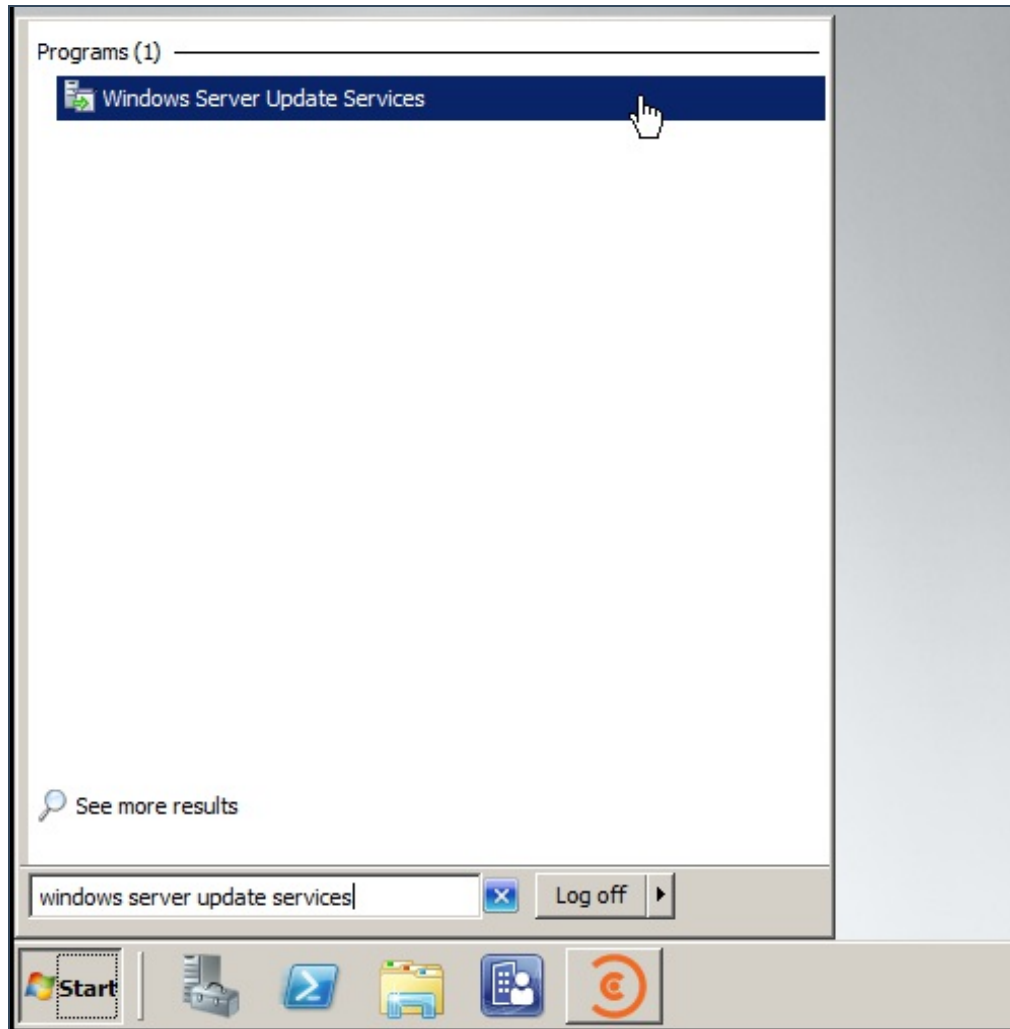
WSUS requirements for CSM for WSUS application:

- Supported WSUS version:
 - 3.2.7600.226
 - or newer
- [Auto approval for Updates type classifications must be disabled](#)
- [Groups that will be used on deployment](#)
- [A certificate must be defined for WSUS in order to deploy other than Microsoft updates.](#)
 - If there is no existing certificate a new one can be created in GUI of CSM for WSUS

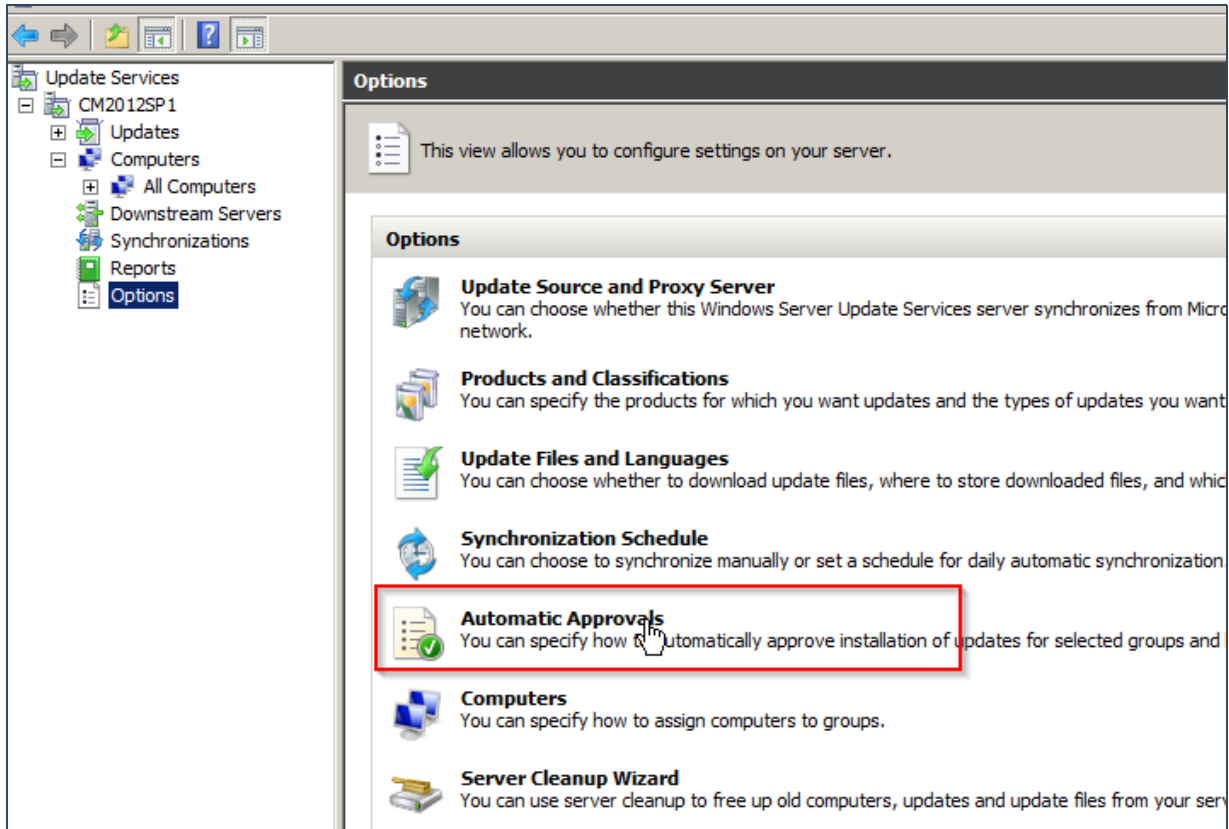
CSM for WSUS - Checking auto approval settings

Last Modified on 02/10/2017 12:47 pm EEST

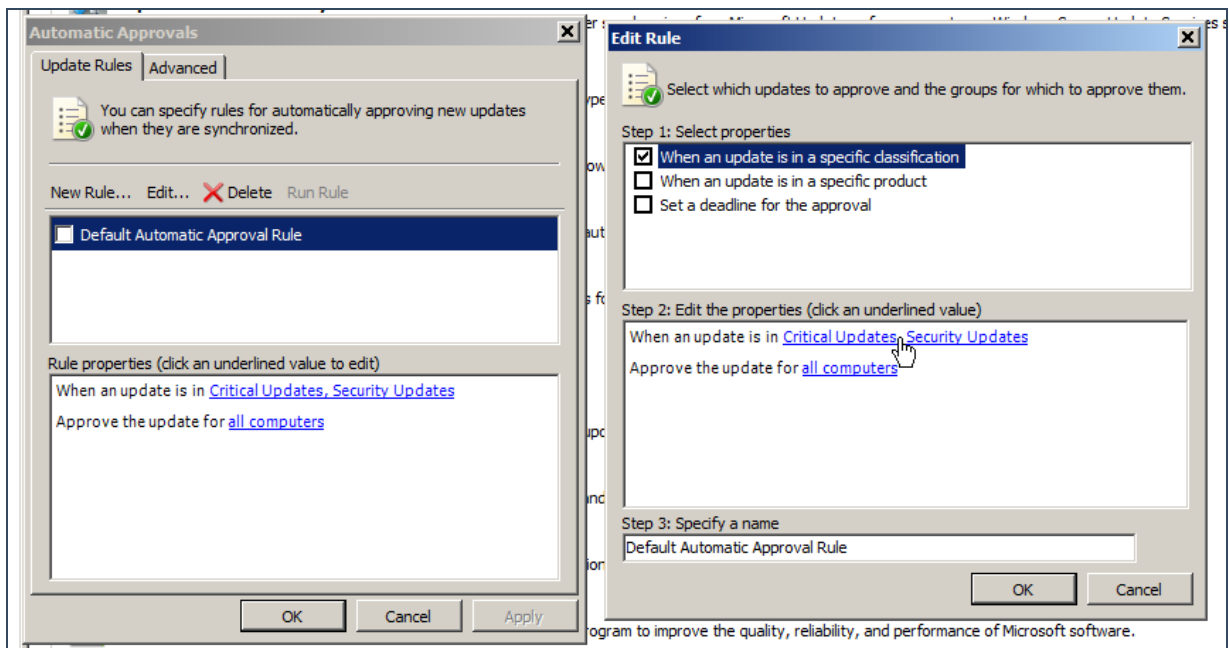
1. Open Windows Server Update Services (wsus.msc) in start menu.



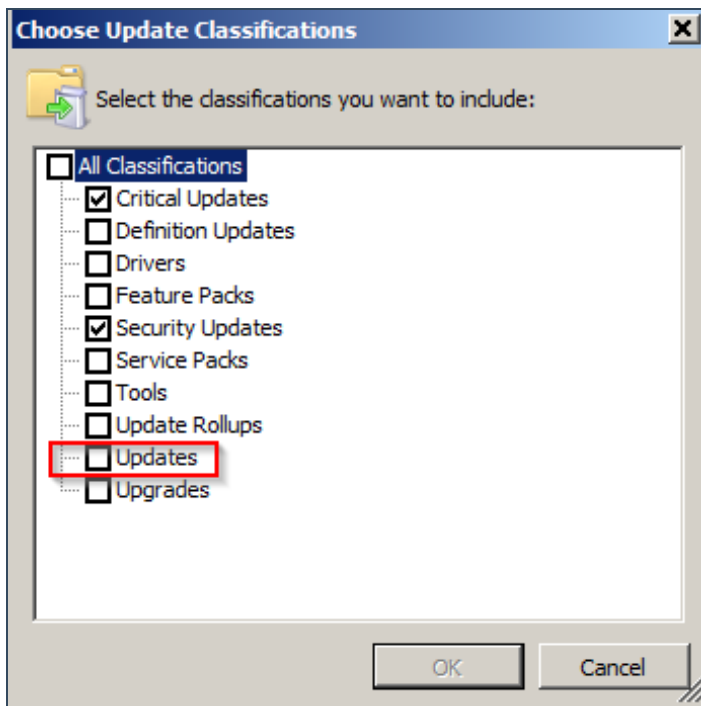
2. Navigate to Options and Automatic Approvals.



3. Choose the rule and **Edit** it. Click on **When an update is in a specific classification**. Then click on the link below.



4. The **Updates** classification should be disabled.



CSM for WSUS - Existing 3rd party software & deployments

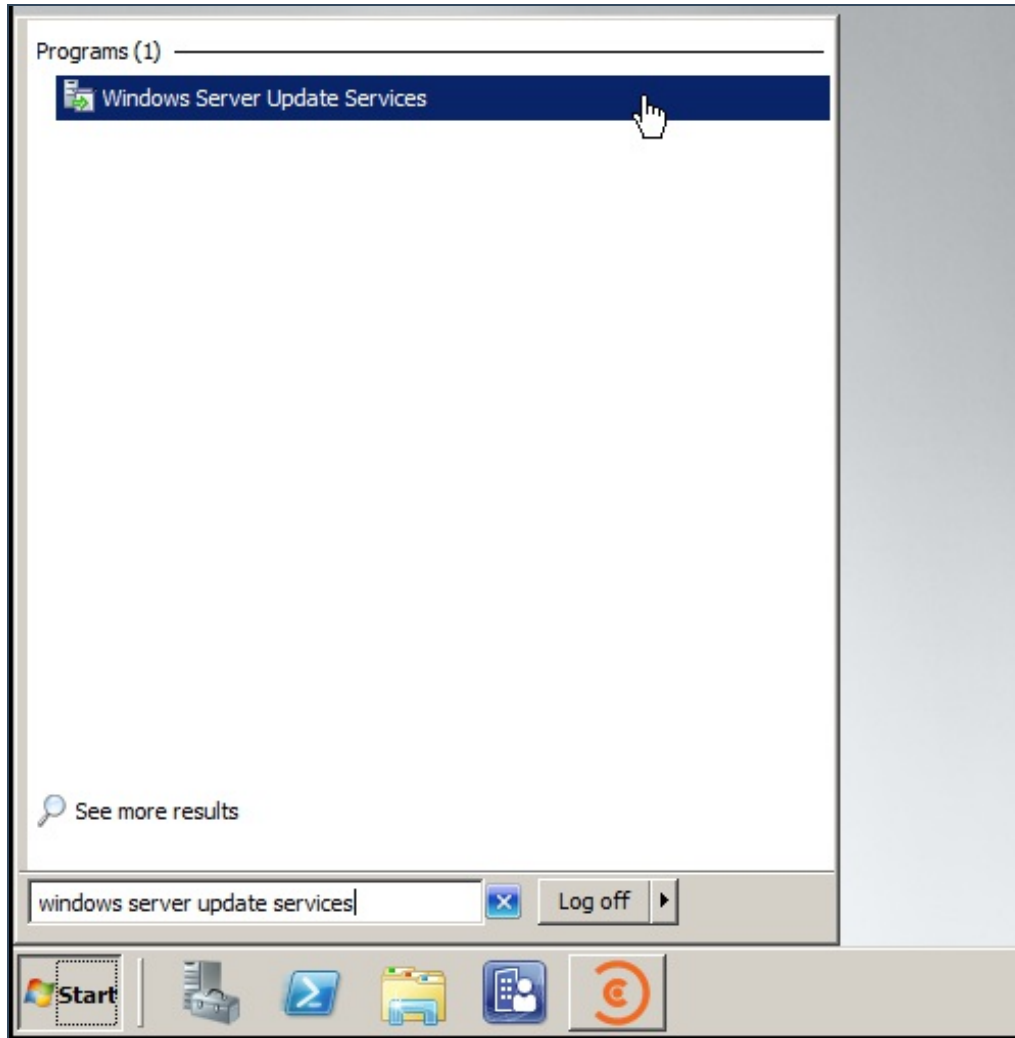
Last Modified on 02/10/2017 1:07 pm EEST

CSM for WSUS does only support default installations of 3rd applications by software vendors. If software packages are customized or altered, CSM might not be able to update these installations.

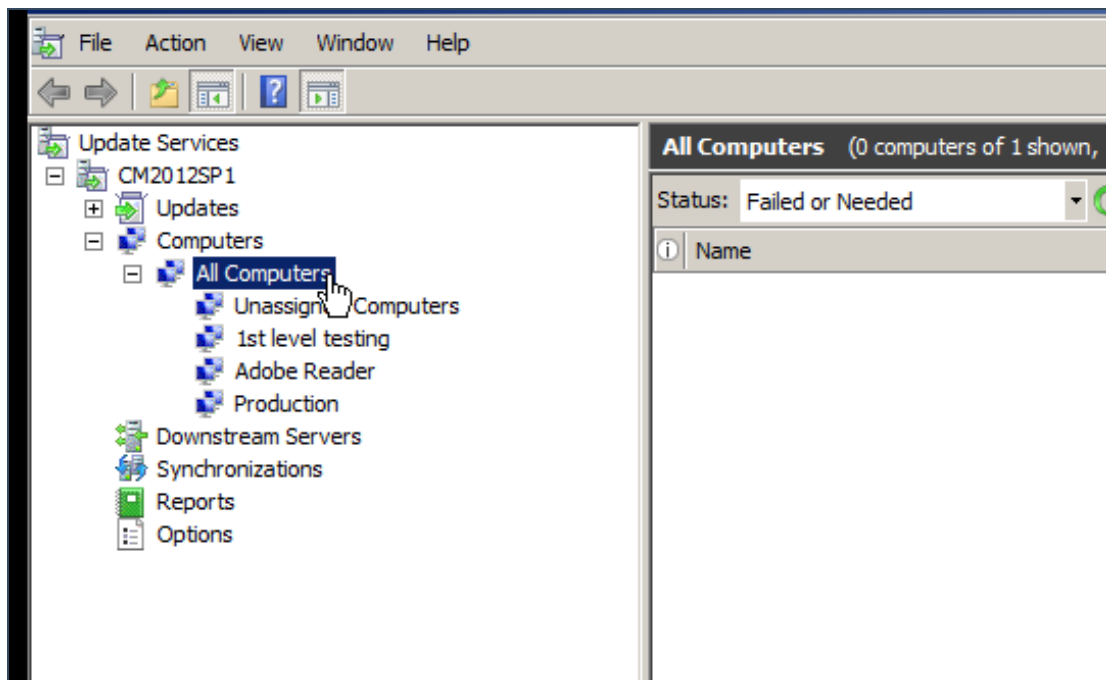
CSM for WSUS - WSUS groups

Last Modified on 03/10/2017 3:00 pm EEST

1. Open Windows Server Update Services (wsus.msc) in start menu.



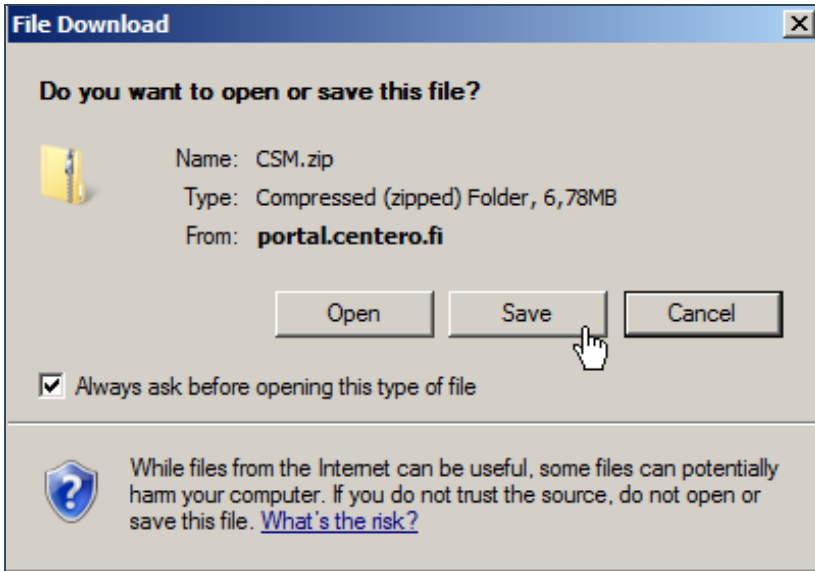
2. Navigate to Options and **All computers**. The groups below are usable in CSM for WSUS deployments.



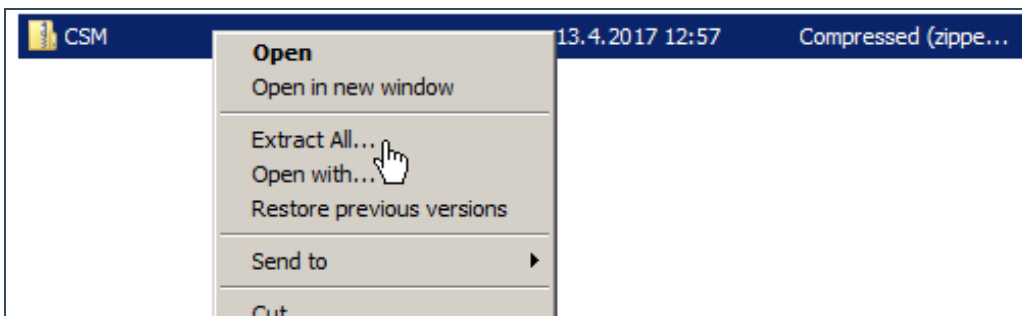
Downloading and extracting the files

Last Modified on 16/10/2017 2:27 pm EEST

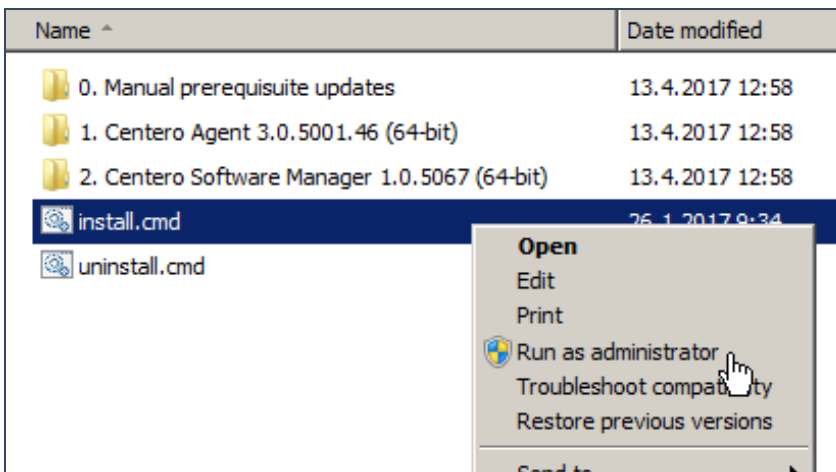
1. Download the CSM.zip from <http://portal.centero.fi/Data/CSM.zip> and save it to the server or remote console which will be used in CSM for WSUS deployment.



2. Extract the package and open the folder.



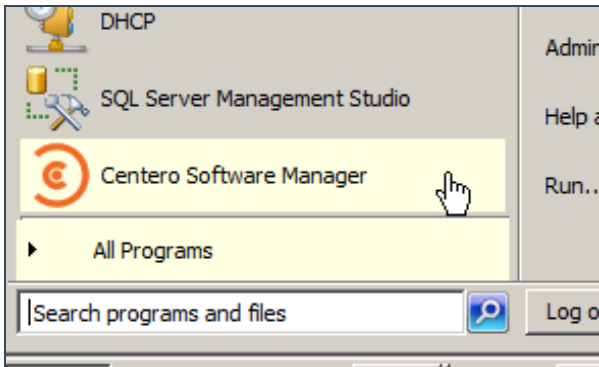
3. Run `install.cmd` as administrator.



4. Installation proceeds quickly and command prompt notifies when the installation is complete.

```
C:\Windows\System32\cmd.exe
to 13.04.2017 13:01:00,79 Administrative user rights detected.
to 13.04.2017 13:01:00,79 Checking older versions..
to 13.04.2017 13:01:00,87 Installing Centero Agent..
to 13.04.2017 13:01:01,89 Centero Agent installion done (<0>).
to 13.04.2017 13:01:01,89 Installing Centero Software Manager..
to 13.04.2017 13:01:03,62 Software Manager installation done (<0>). Start "Centero
Software Manager" from start menu.
```

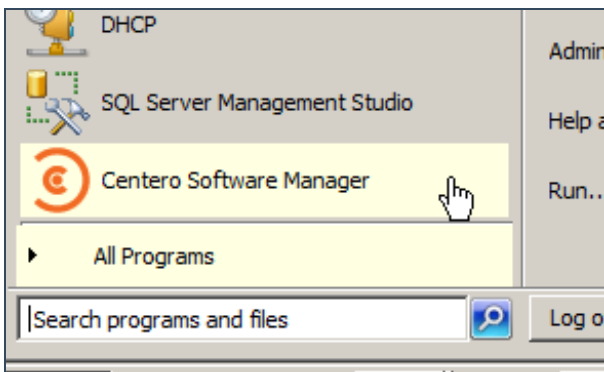
5. CSM for WSUS can be now lanched from start menu.



Initial configuration during the start wizard

Last Modified on 16/10/2017 2:28 pm EEST

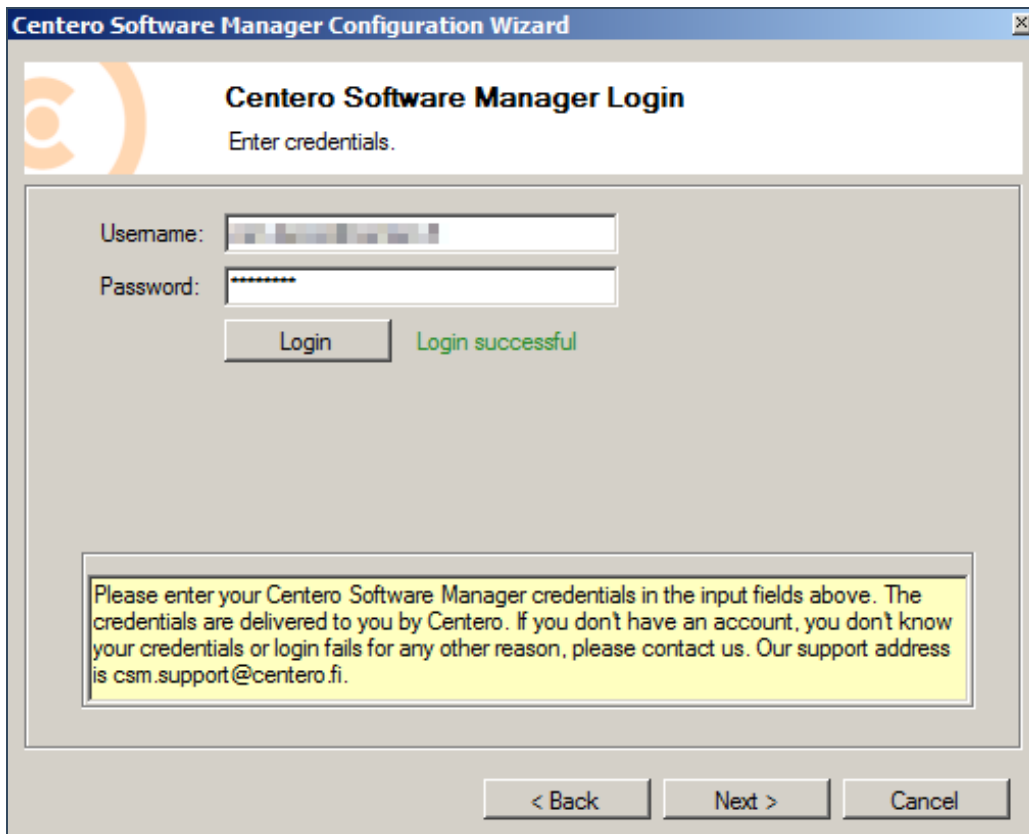
1. After installation is complete, launch CSM for WSUS from Windows Start Menu.



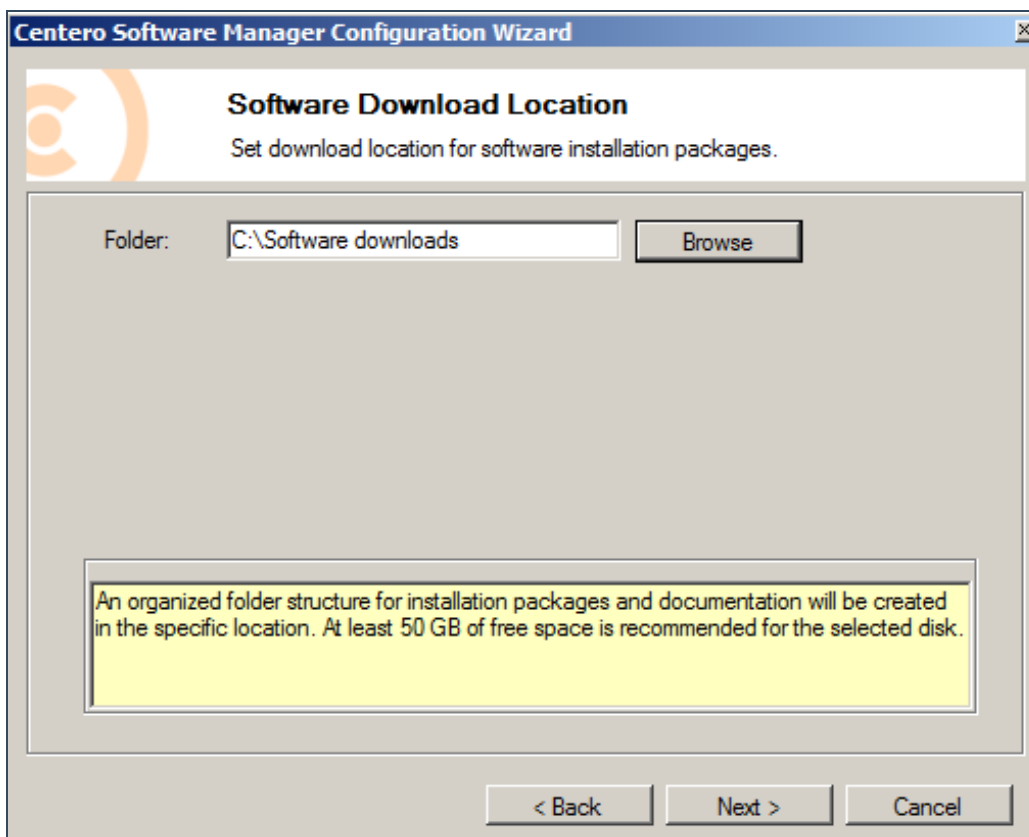
2. Proceed with the wizard by clicking next.



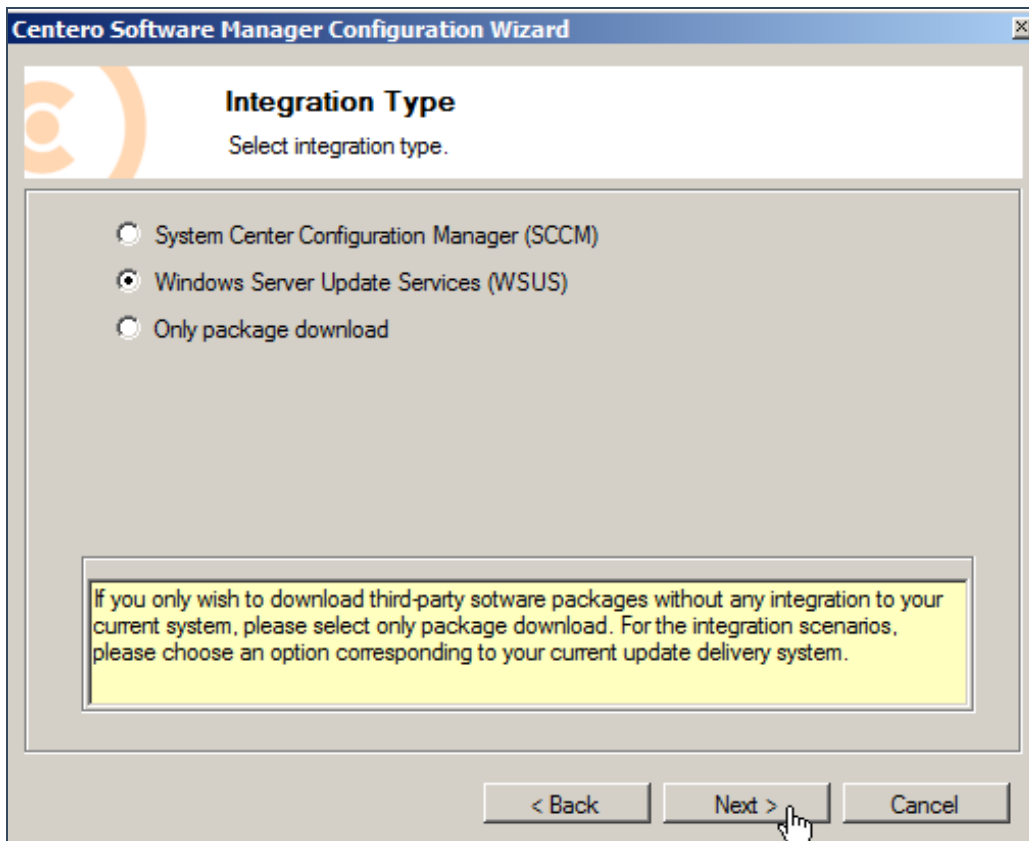
3. CSM for WSUS requires organization specific credentials to connect cloud for managing chosen 3rd party software. Input the credentials and click login. The wizard will now inform of successful login. Proceed by clicking next.



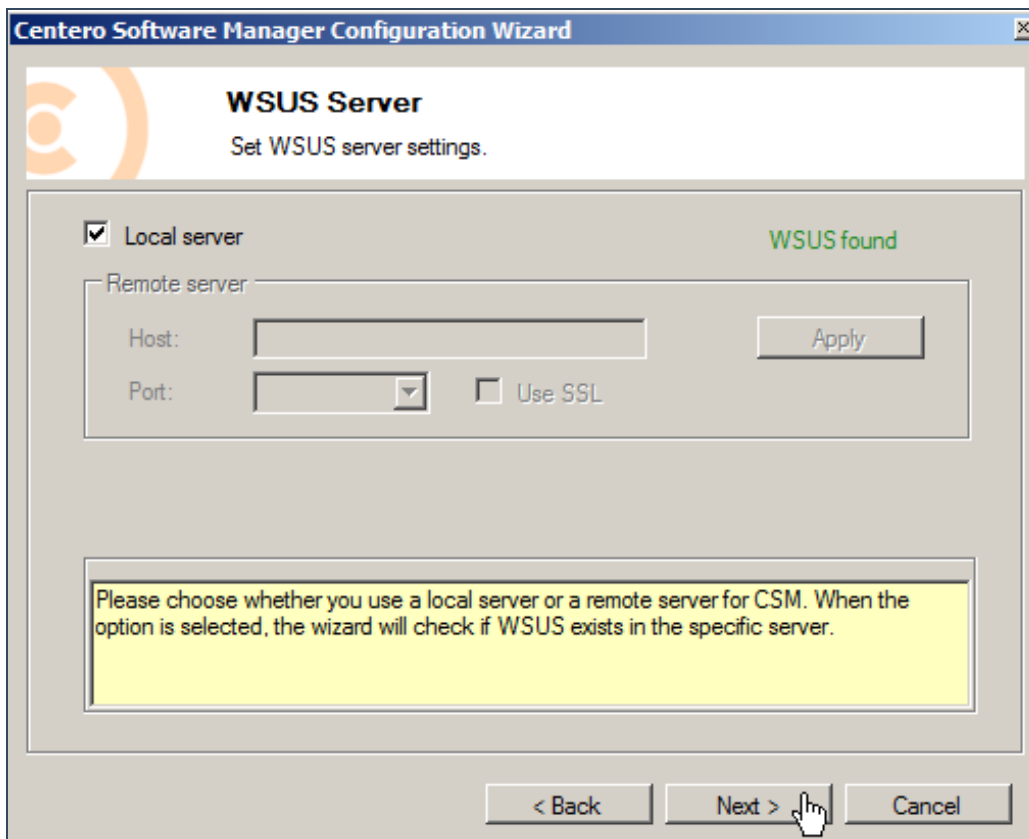
4. CSM for WSUS downloads 3rd party software to a chosen location. Browse for a suitable location and proceed by clicking next.



5. Select the integration type. Since we are installing CSM for WSUS it's obviously the following. Proceed by clicking next.



6. We recommend CSM for WSUS to be installed on the same server with WSUS-component. To do this, check the local server check box. In order to use a remote server in deployment leave the box unchecked and provide host name and port to input fields. After choosing the deployment method and confirming a valid WSUS server please proceed by clicking next.



7. At this point the wizard retrieves the WSUS groups. The deployment process for the managed software can be configured. WSUS groups are listed and deployment phases can be selected. By default, these three deployments are scheduled to be effective immediately, after a week and after two weeks. Proceed by clicking next.

As a sidenote, these settings can be modified later on.

Step	Computer group	Deployment
First deployment	1st level testing	Immediately
Second deployment	Production	After a week
Third deployment		-

Two step model is for medium size environments. It means that you select two groups. Software will be installed immediately on the first group, and after a one week long test period on the second group.

8. The initial wizard is now complete. We recommend to review the defined configuration by choosing **No** and proceeding to advanced settings by clicking finish. If you feel happy with the configuration the deployments can be started right away by clicking **Yes**.

Configuration done!

Start automatic deployments now?

- Yes.
- No, I start automatic deployments manually later.

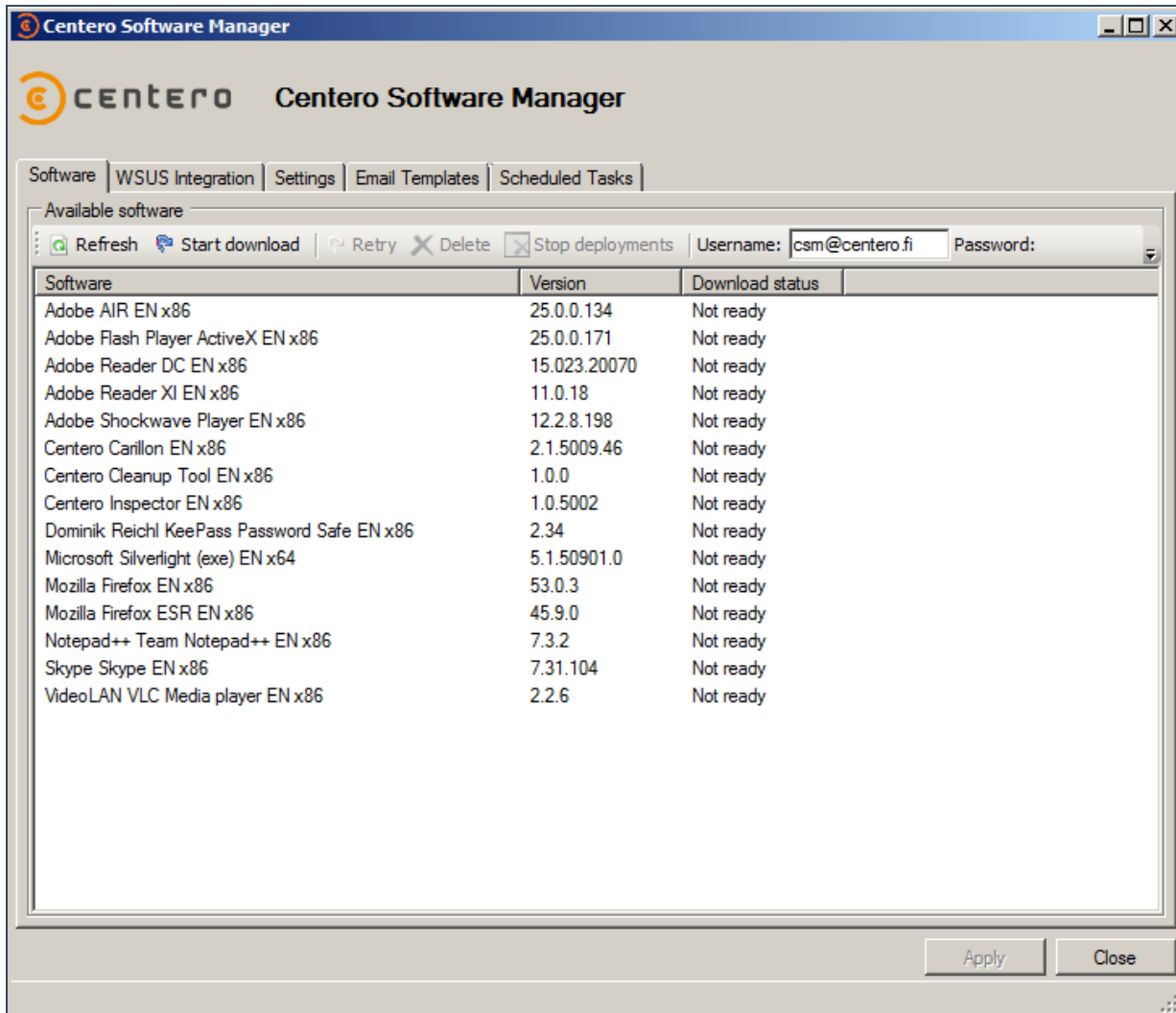


< Back Finish Cancel

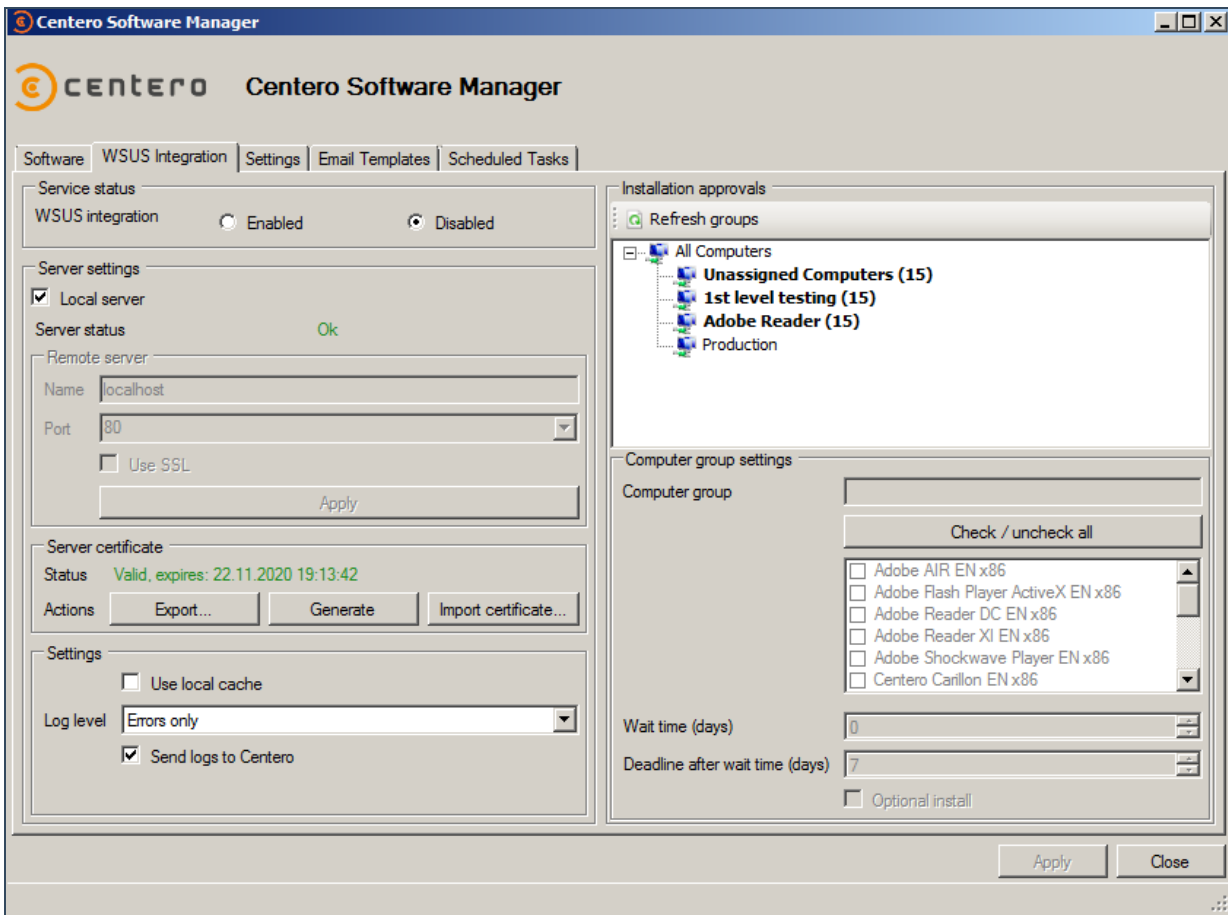
Advanced configuration after the initial wizard

Last Modified on 16/10/2017 2:32 pm EEST

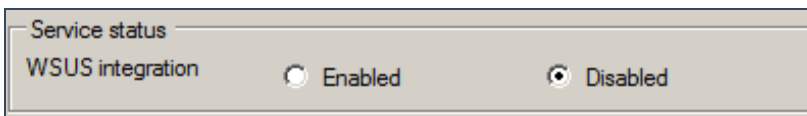
1. If the final selection to start deployment was No then CSM for WSUS will automatically launch. The first view is **Software** page which basically displays the selected 3rd party software and their statuses. At this point, before the first deployments, we want to make sure that the defined configuration is correct. You can do that by clicking WSUS Integration.



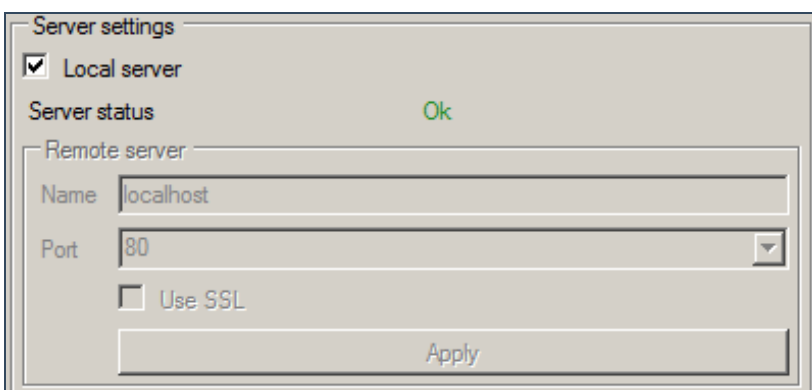
2. There are 6 different configuration areas on this view. Explaining all of them is covered in the document.



3. **Service status** is a selection whether the automatic software deployments and updates are enabled or not.



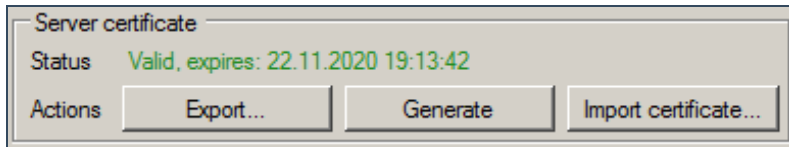
4. In **server settings** the WSUS server itself can be configured. CSM supports both, a local and a remote server.



5. A server certificate is required in order to publish 3rd party software to WSUS server. If there's an existing certificate it can be used by **importing** it. If there's no certificate, one can be **generated** in CSM. After the certificate is created it can be exported by choosing **export**.

The certificate used in CSM must be also stored to workstations in order to deploy 3rd party software to them. The certificate must be stored into both **Trusted root certification authorities** and **Trusted publishers** containers.

We recommend to do the certificate deployment by using Group Policy. We have more specific instructions for that.



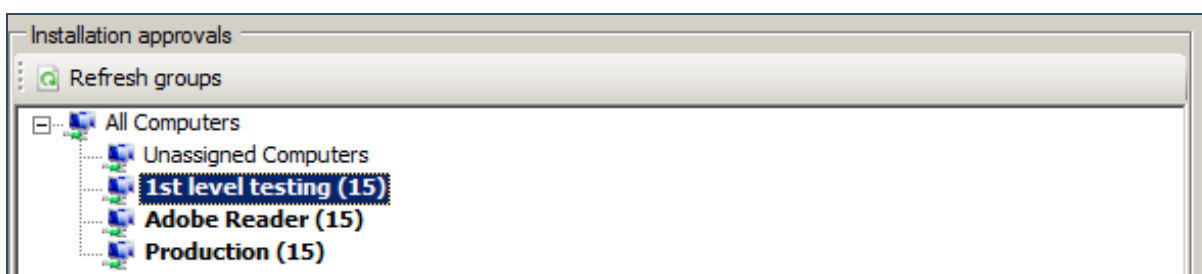
6. The **installation approval** is a generated view from WSUS groups and a number of 3rd party software allocated to them. These groups can be navigated by clicking on them. This will populate the information below the view to **computer group settings**.

In this view you can select which 3rd party software are targeted to specific groups and what are the time settings for the deployments. **Wait time** is the time that selected 3rd party software will become available to computers in the selected group. The time will start elapsing from the moment when we have published the new version of a 3rd party software and it's downloaded to the server.

It's important to acknowledge that the wait time is an artificial delay option made possible by CSM. WSUS doesn't originally provide wait time but only deadline. For this reason, updating wait time configuration for a deployment is effective next time when a new version of 3rd party software is published.

Deadline is different from wait time. Instead of software becoming available installation to computers it will become a required installation. Deadline-time will begin to elapse from the moment when wait time has completed.

Optional install does only work for Windows 7. A deployment of this kind will make a 3rd party software only available but not required.



Computer group settings

Computer group

- Microsoft Silverlight (exe) EN x64
- Mozilla Firefox EN x86
- Mozilla Firefox ESR EN x86
- Notepad++ Team Notepad++ EN x86
- Skype Skype EN x86
- VideoLAN VLC Media player EN x86

Wait time (days)

Deadline after wait time (days)

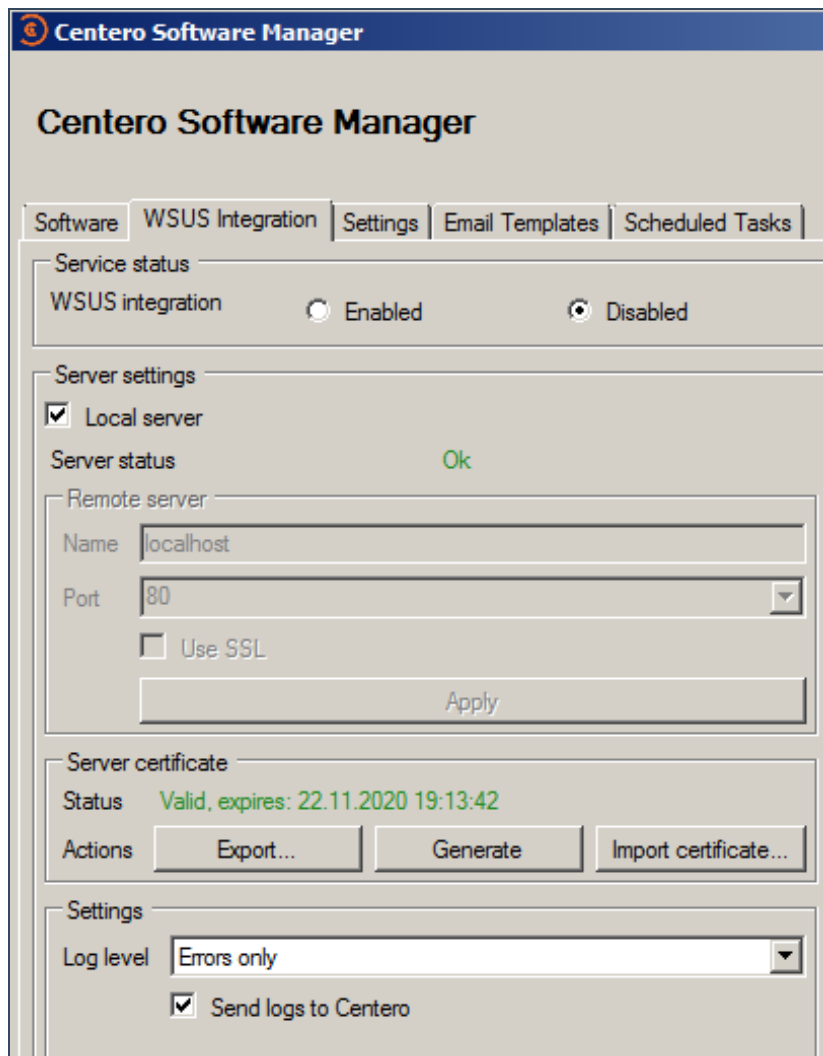
Optional install

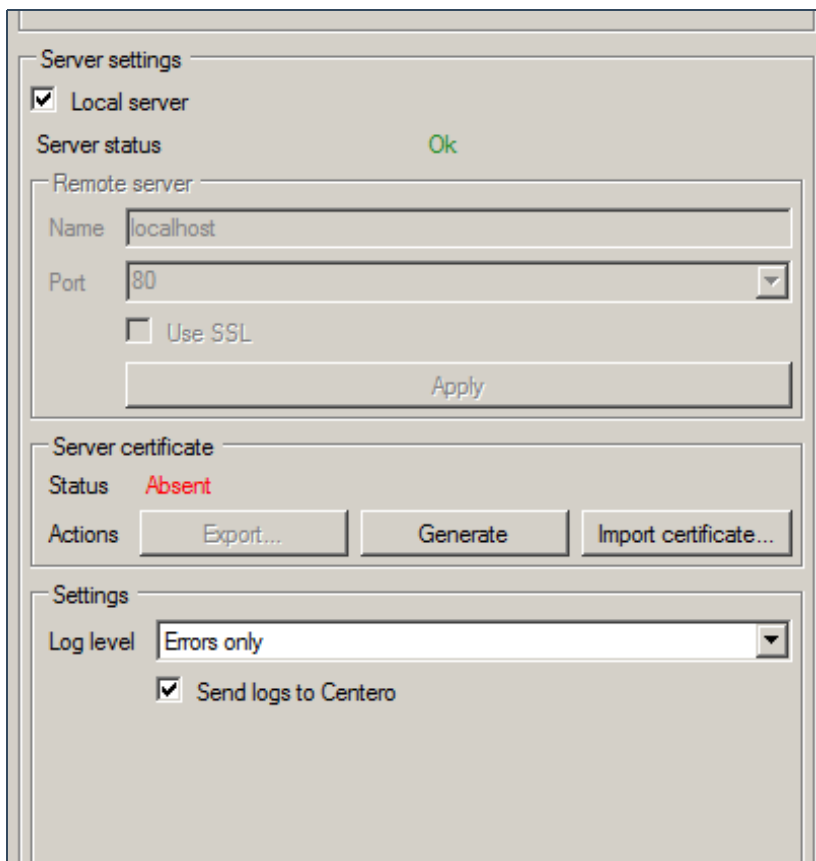
Create or replace a WSUS publishing certificate for 3rd party deployment

Last Modified on 03/10/2017 2:49 pm EEST

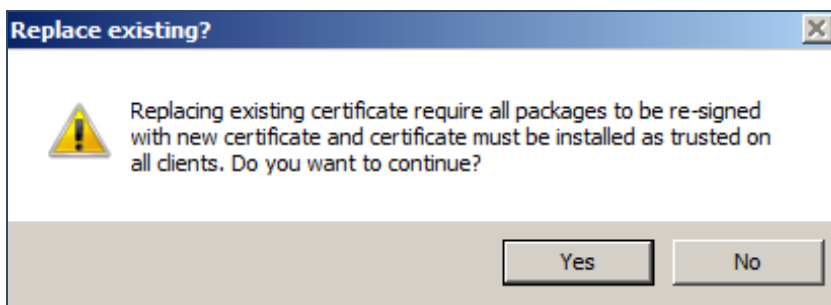
In order to deploy 3rd party updates via WSUS the server and the clients have to have the same self-signed certificate.

1. Launch Centero Software Manager and open WSUS-integration tab. Click **Generate** button in Server certificate section.

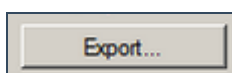


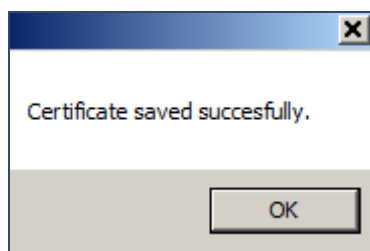
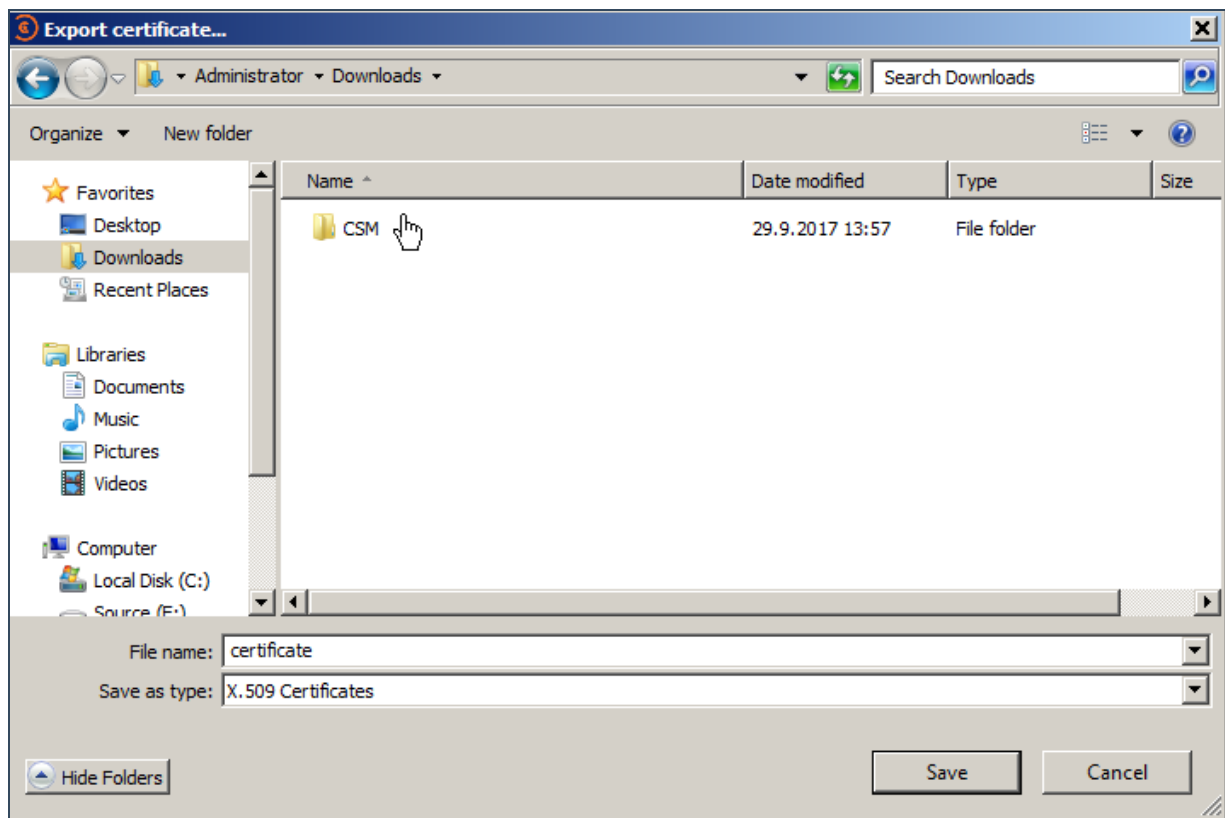


2. If there is no existing certificate (absent) on the server one will be created. If there already is a certificate (valid or not) CSM will confirm for replacing it. Click **Yes** if you would like to replace an existing certificate.

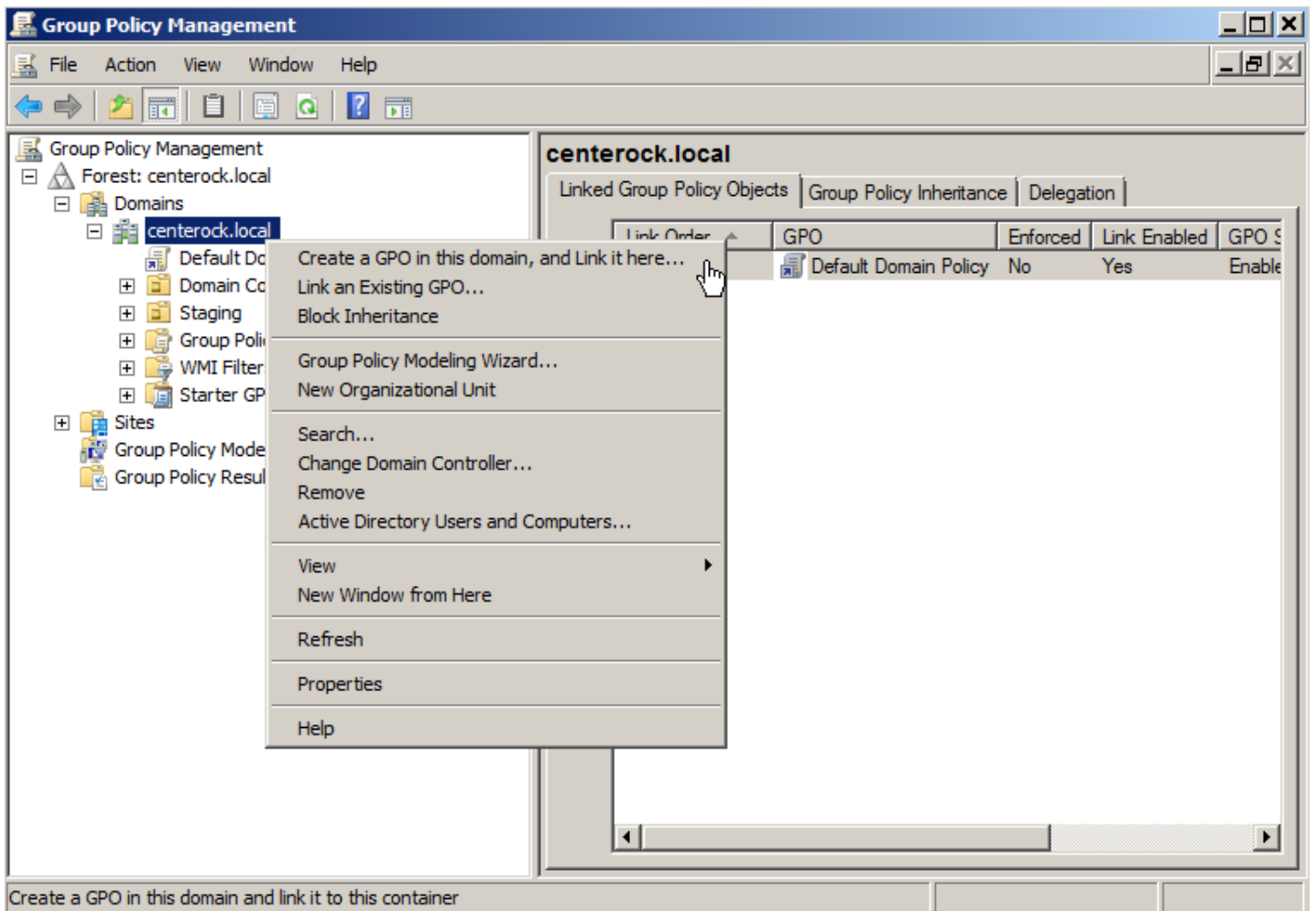


3. When a valid certificate exists, it must be deployed to clients in order to deploy the software updates. We recommend doing this by using a group policy object. Export the certificate by clicking **Export** button and save it to a location where you can access it with GPO management tool.

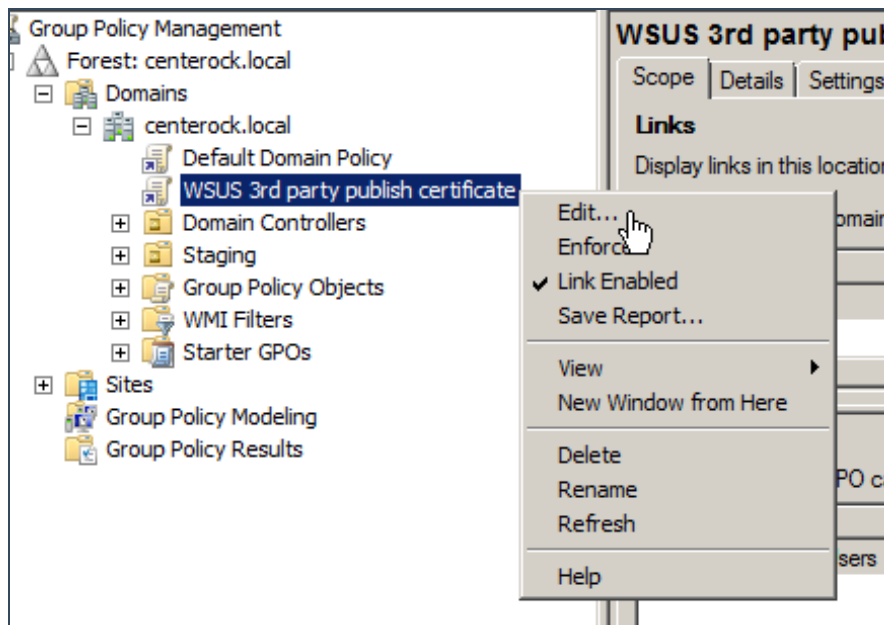




4. Open up Group Policy Management (gpmc.msc). Create a new GPO in a proper place and name it.

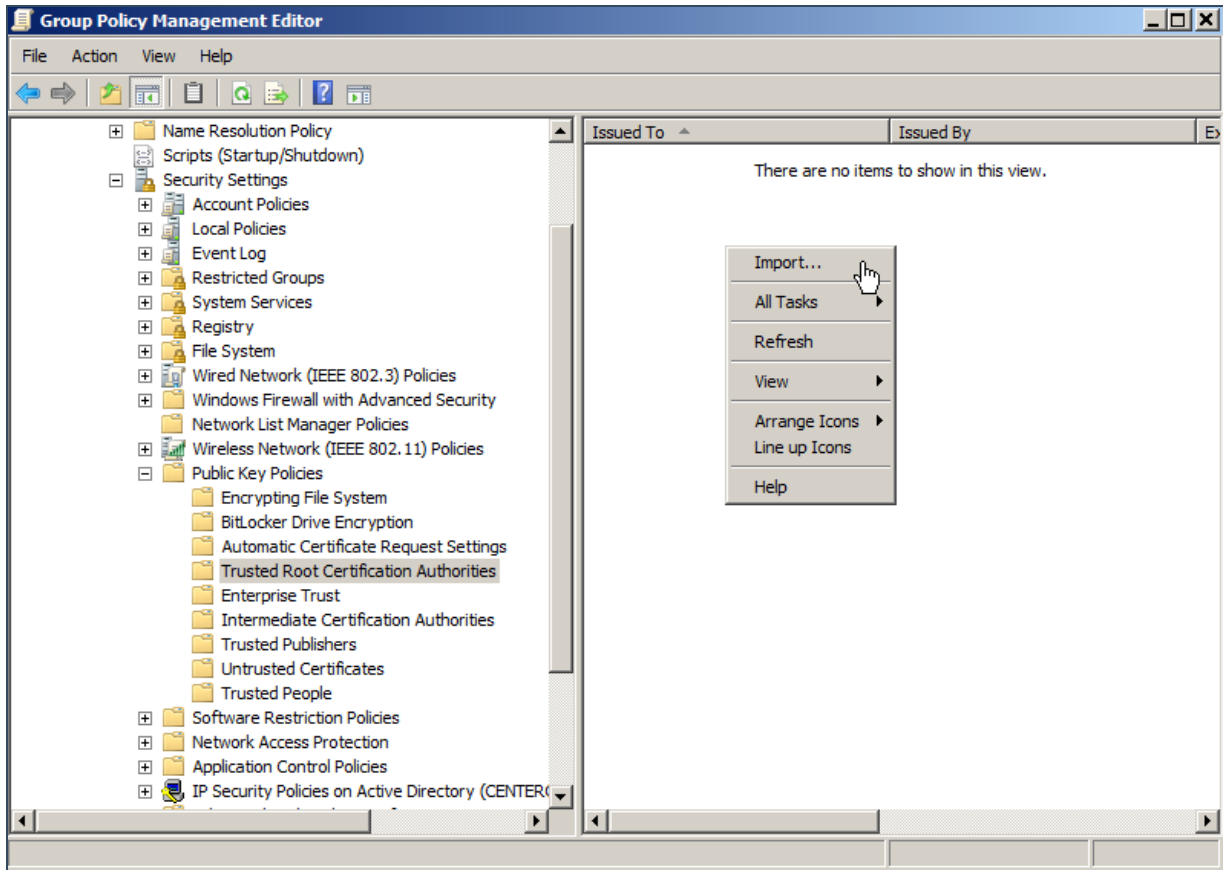


5. Edit it. And open the following container: Computer Configuration - Policies - Windows Settings - Security Settings - Public Key Policies.



6. Import the certificate to two different certificate-containers (Trusted Root Certification

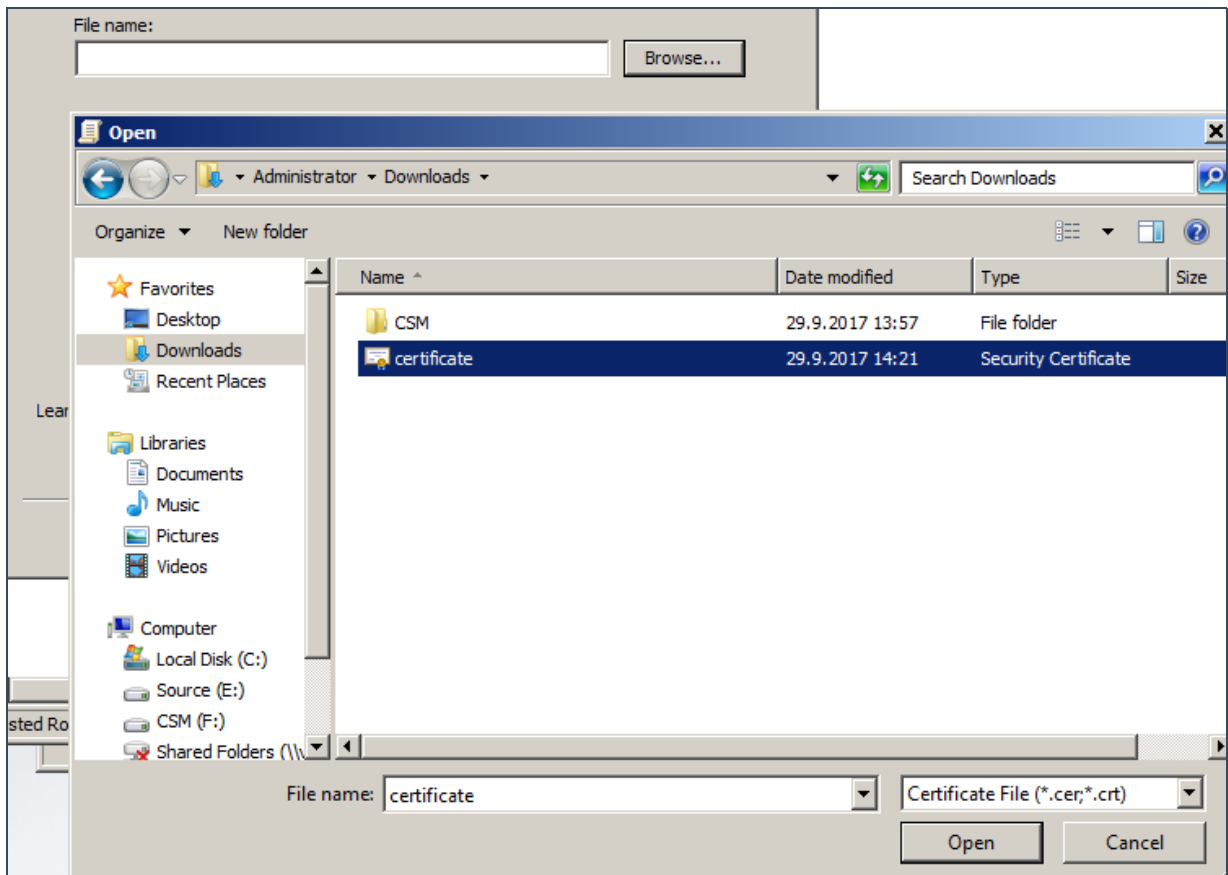
Authorities & Trusted Publishers) by clicking import.



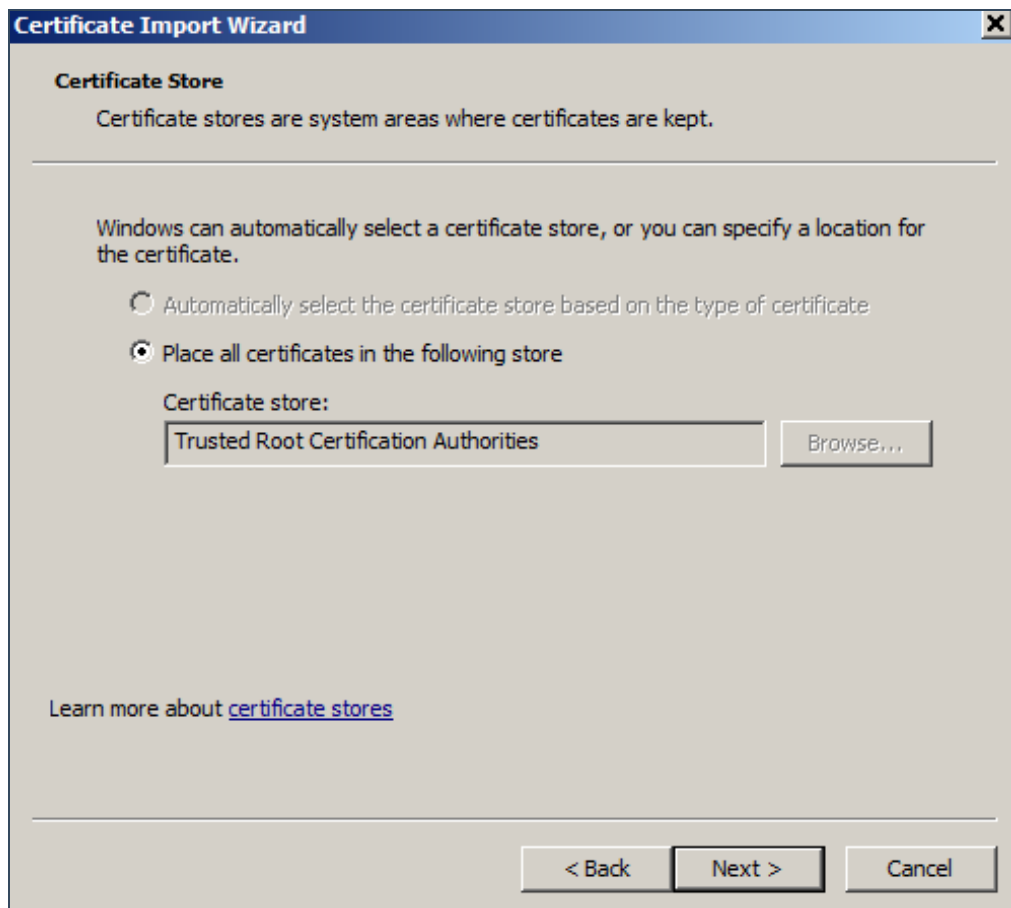
7. Click Next.



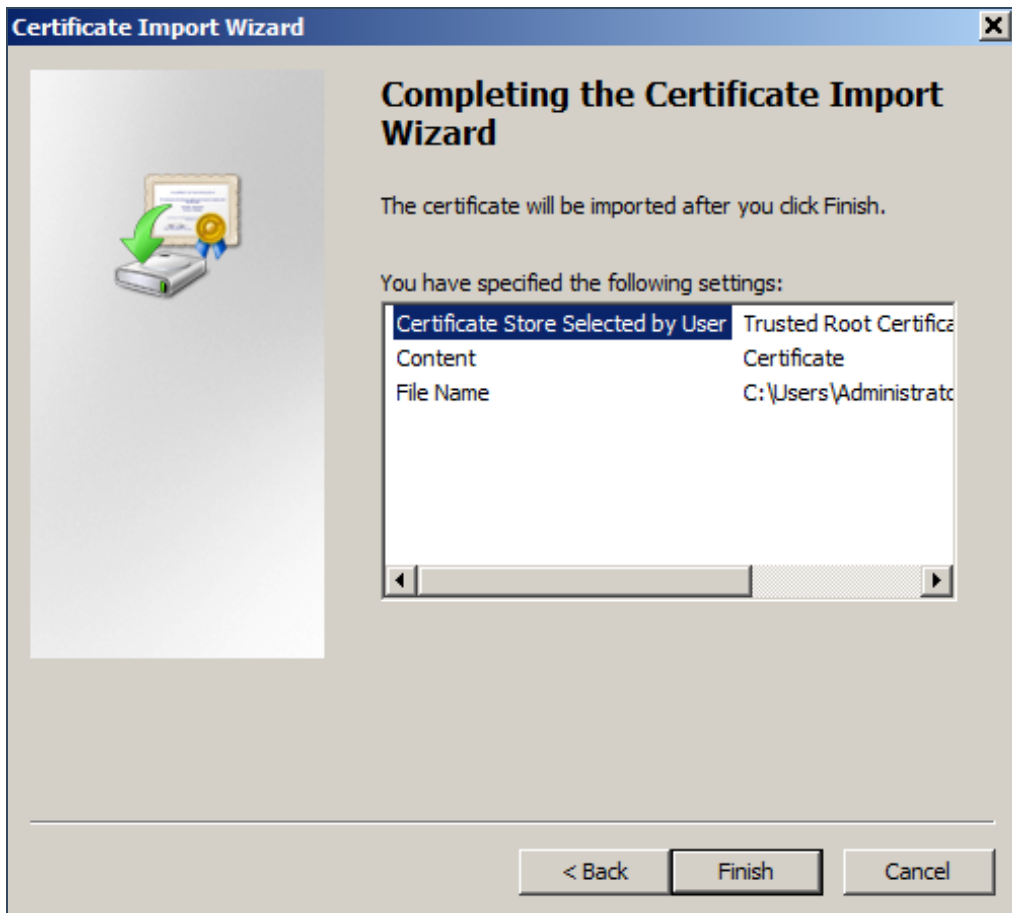
8. Browse for the certificate, open it and click **Next**.



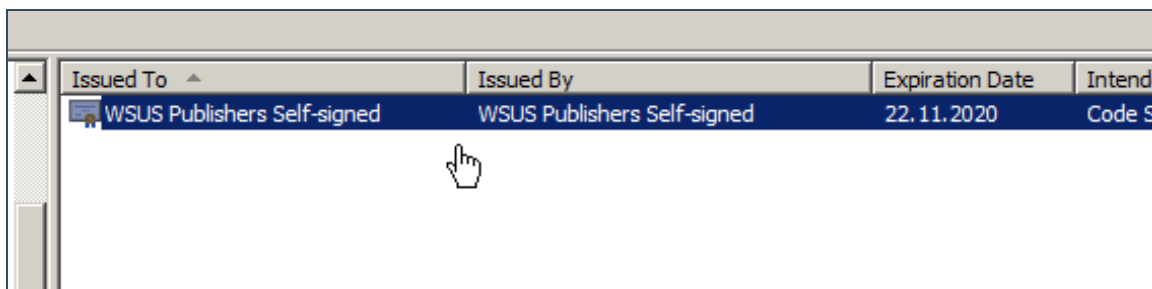
9. Click **Next**.



10. Click Finish.



11. Make sure that a similar certificate is in both of the certificate-containers: **Trusted Root Certification Authorities** and **Trusted Publishers**.

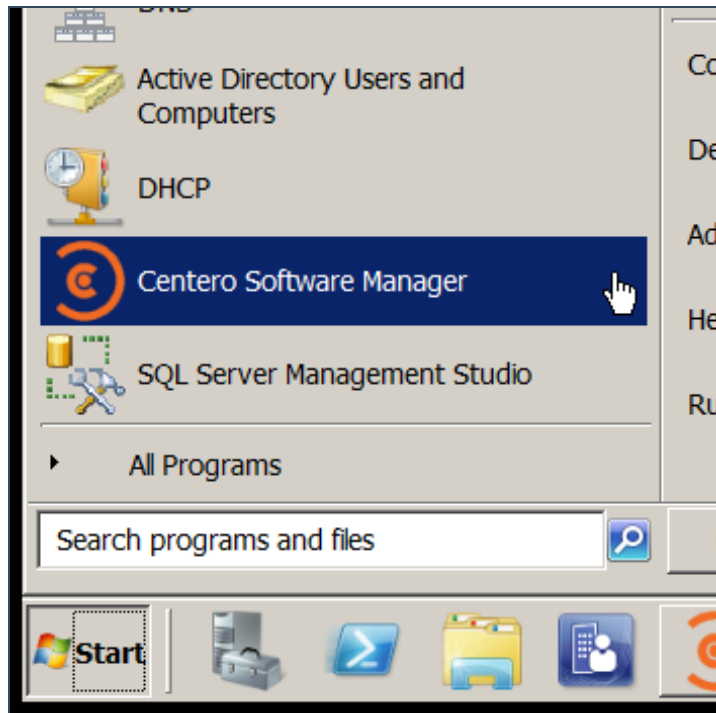


12. As soon as the GPO is is refreshed on the computers WSUS 3rd party deployments can be done.

CSM for WSUS - How to verify a successful implementation

Last Modified on 03/10/2017 2:47 pm EEST

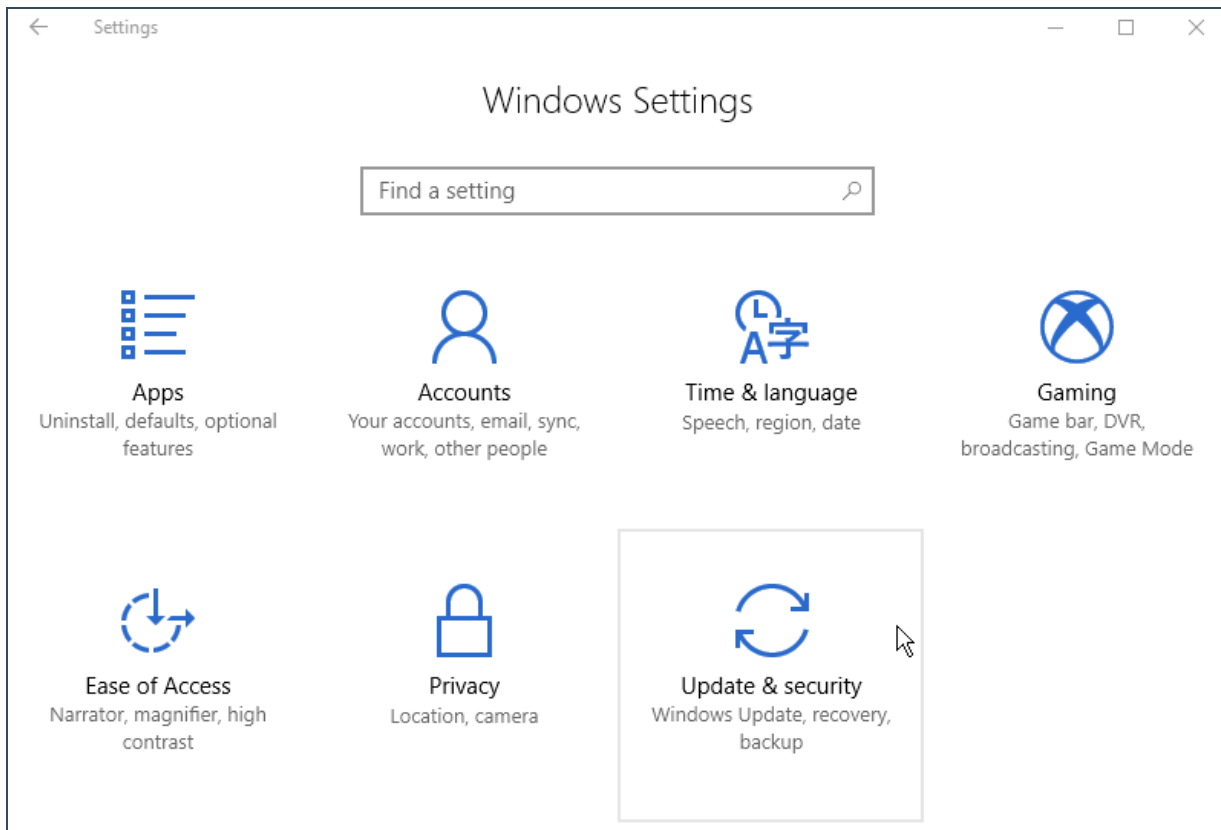
1. Open CSM for WSUS from Start Menu.



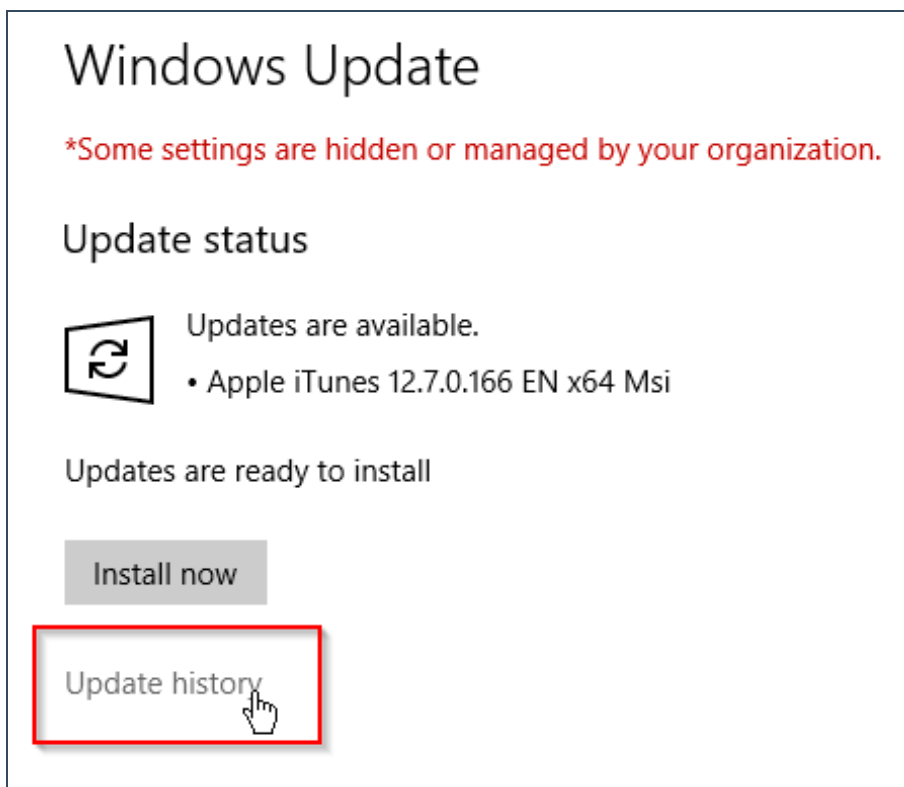
2. Check if the managed software have been downloaded and imported successfully.

Software	Version	Download st..	WSUS status	WSUS Deployme
Adobe AIR EN x86	27.0.0.124	Completed	Import successful	1st level testing
Adobe Flash Player ActiveX EN x86	27.0.0.130	Completed	Import successful	1st level testing
Adobe Reader DC EN x86	15.023.20070	Completed	Import successful	1st level testing
Adobe Reader XI EN x86	11.0.18	Completed	Import successful	1st level testing
Adobe Shockwave Player EN x86	12.2.9.199	Completed	Import successful	1st level testing
Centro Carillon EN x86	2.1.5011.46	Completed	Import successful	1st level testing
Centro Cleanup Tool EN x86	1.0.0	Completed	Import successful	1st level testing

3. Check updates from a computer which is included in a WSUS group for managed 3rd party software. Update history on Windows 10 machine can be found via **Update & security**.



4. Click **Update history** and then choose **Other Updates**.



Update history

[Uninstall updates](#)

[Recovery options](#)

Update history

> [Quality Updates \(27\)](#)

> [Driver Updates \(5\)](#)

> [Other Updates \(50\)](#)

5. There should be 3rd party software in the update history. Click on a link and it will show information about deployment. If there is text **Update published by Centero WSUS Tool** then the implementation is successful.

Update history

Apple Mobile Device Support 11.0.0.30 EN x64 Msi

[Successfully installed on 3.10.2017](#)

Greenshot Greenshot 1.2.10.6 EN x86 Msi

Update published by Centero WSUS Tool

[Successfully installed on 3.10.2017](#)

Adobe AIR 27.0.0.124 EN x86 Msi

[Successfully installed on 3.10.2017](#)

CSM Cloud - Requirements

Last Modified on 06/10/2017 1:56 pm EEST

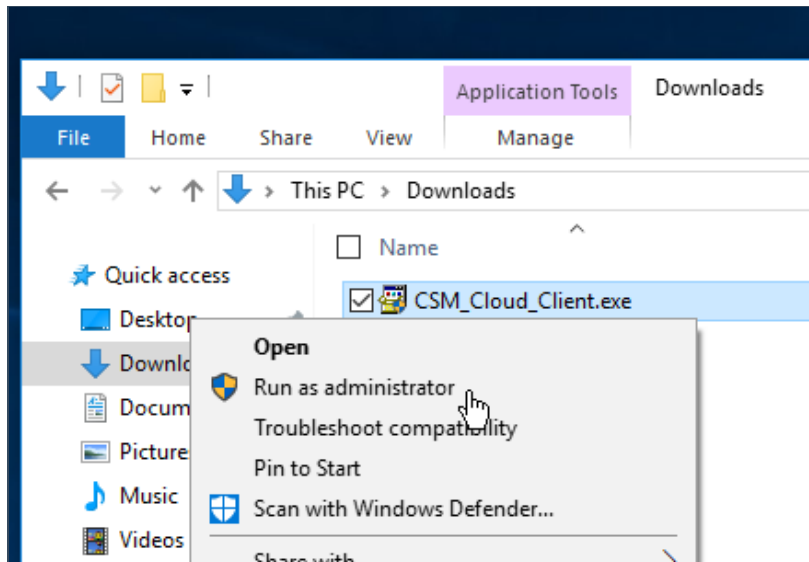
There are a few requirements for devices using Centero Software Manager Cloud.

- Operating system version must be Windows 7 or newer
- Operating system edition must be Enterprise, Professional or Education
- Microsoft .NET-framework version 4.x

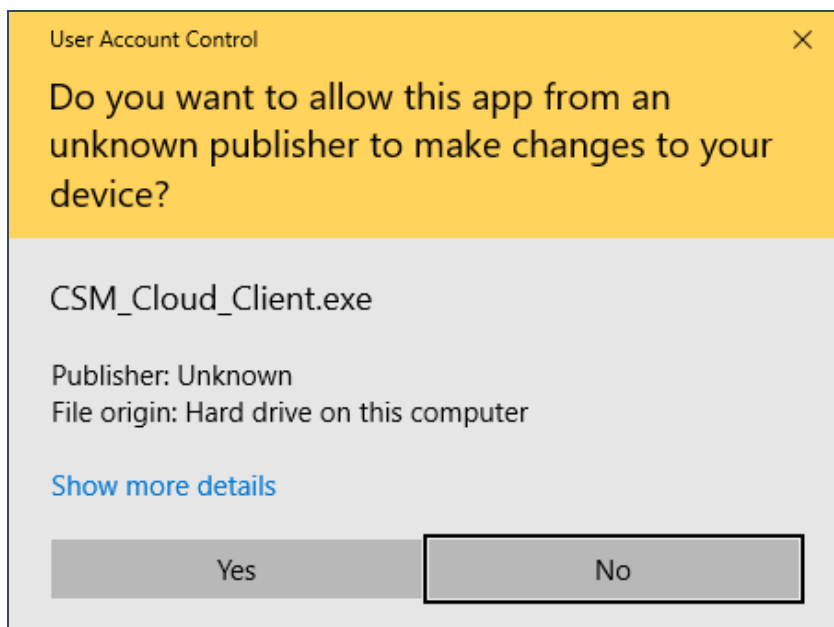
CSM Cloud - Downloading and installing the client

Last Modified on 06/10/2017 2:17 pm EEST

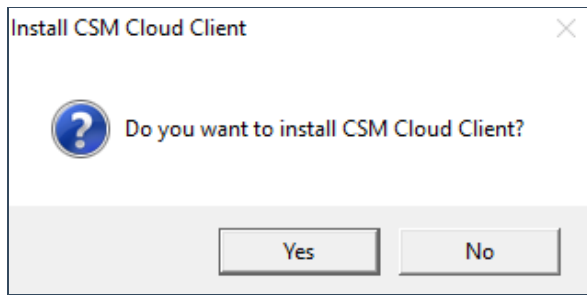
1. Centro will provide a download link for EXE-file. Download it and run it as administrator.



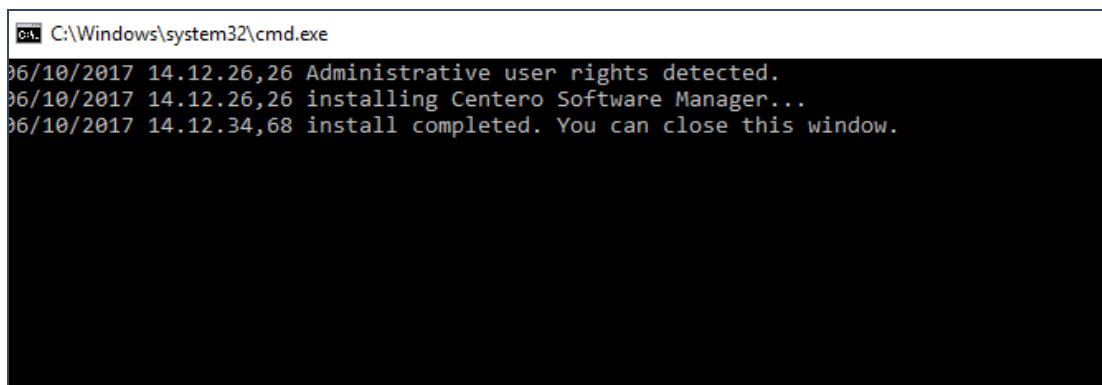
2. UAC might notify you. Choose **Yes**.



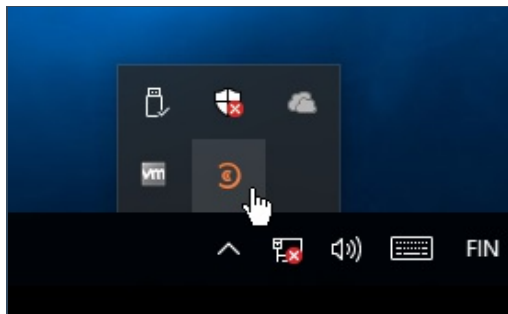
3. Proceed with install by clicking **Yes**.



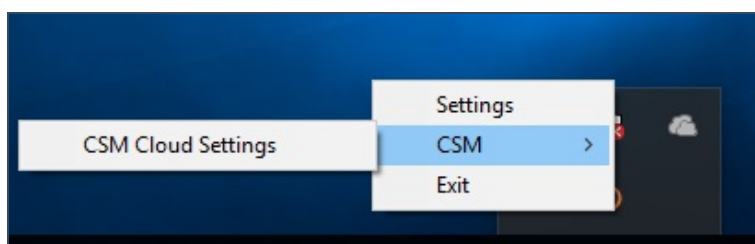
4. Installation will start a new command prompt window which will let you know when it is finished. The window can be closed now.



5. There will be an icon in taskbar after installation.



6. You can check the status of service by clicking on the icon and choosing CSM -> CSM Cloud Settings. Registered to will get populated with correct information later.



CSM Cloud Settings



Product activation

Hostname: **CENL25-VM01-DOM** Registered to: **Not active**

Product key: **ed0cd22f-34ac-495d-9857-3187c5e58ec9**



Apply

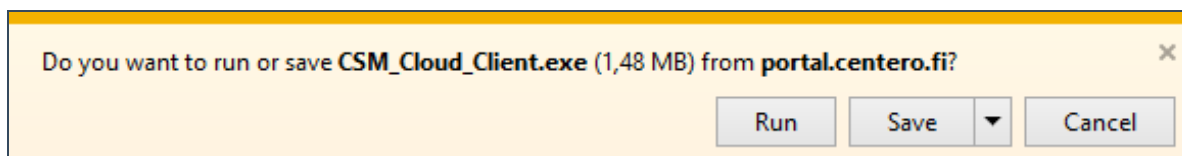
Close

CSM for Servers - Downloading and installing the client

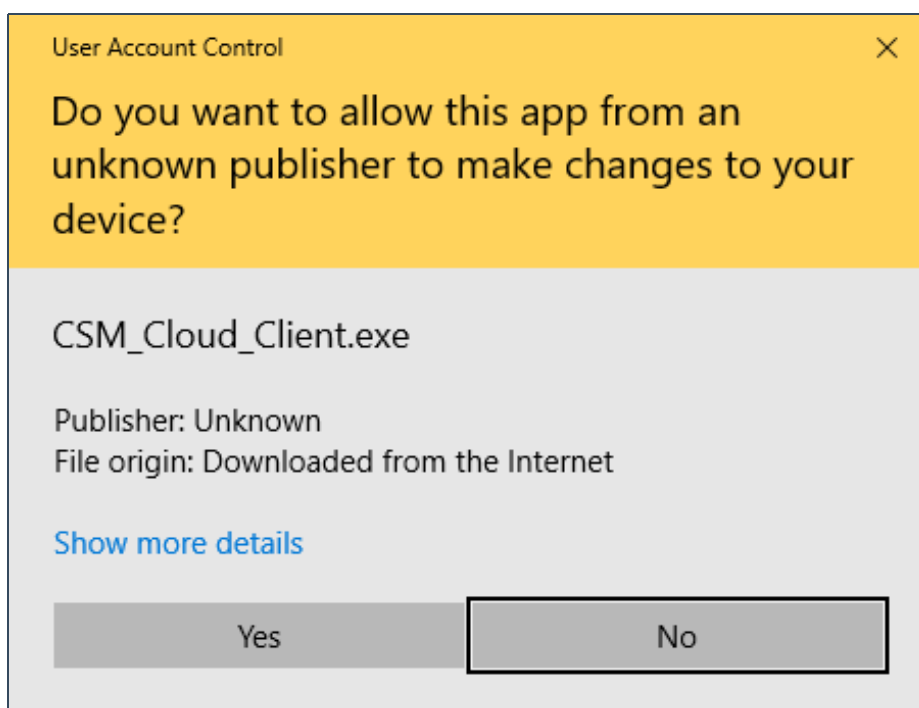
Last Modified on 16/10/2017 2:03 pm EEST

1. Centero will provide a download link for CSM for Servers client software. The client should be deployed on all the servers which are going to be managed.

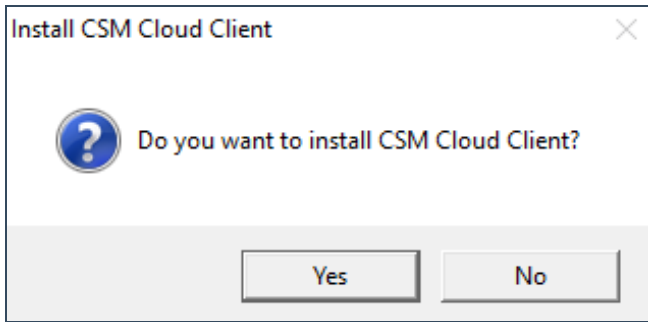
Download `CSM_Cloud_Client.exe` and run it.



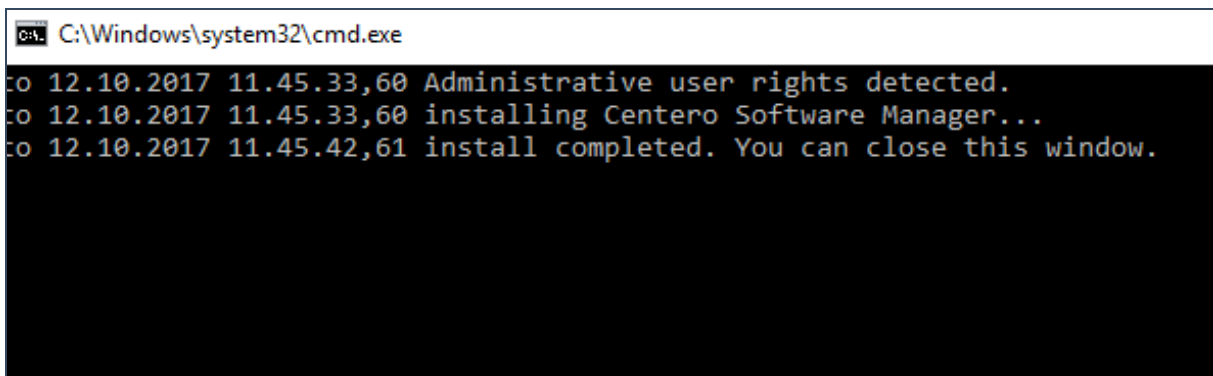
2. Approve the UAC warning.



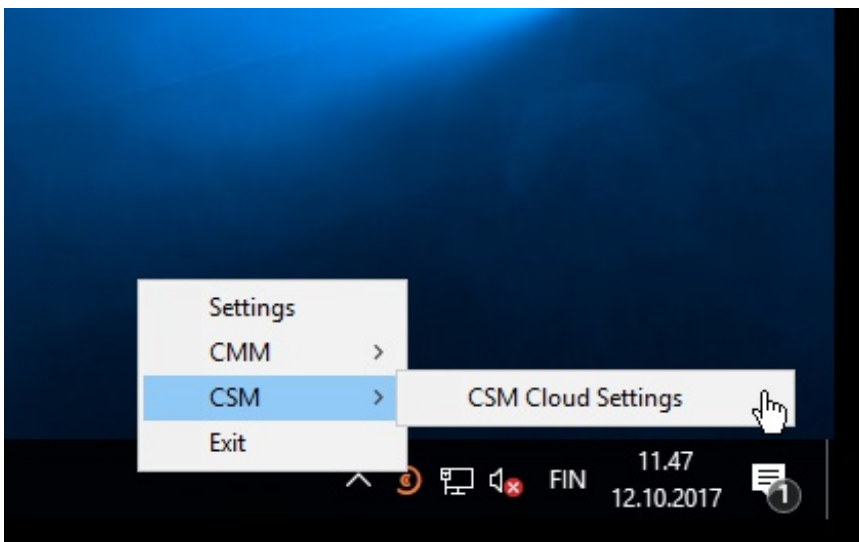
3. Choose Yes.



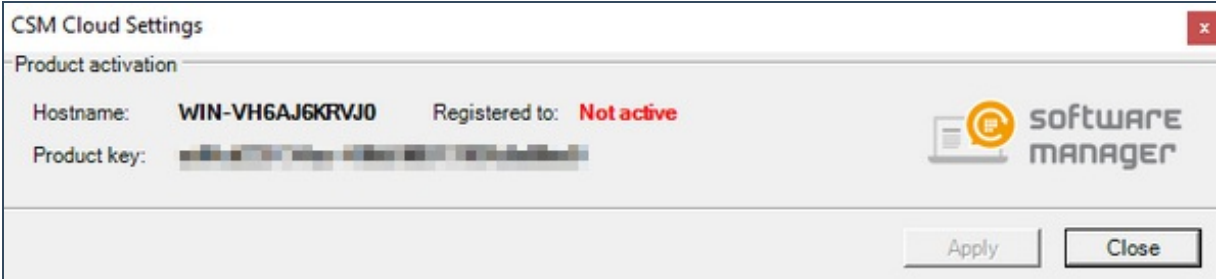
4. Installation progresses and will let you know when it's finished. The command prompt can be closed.



5. The installation is complete and CSM for Servers settings can be managed via system tray in notification area.



6. CSM for Servers client won't be functional immediately. By default there is a 1 hour cooldown for scheduled task to contact service and retrieve group based settings.



CSM for Servers - Requirements

Last Modified on 01/11/2017 12:26 pm EET

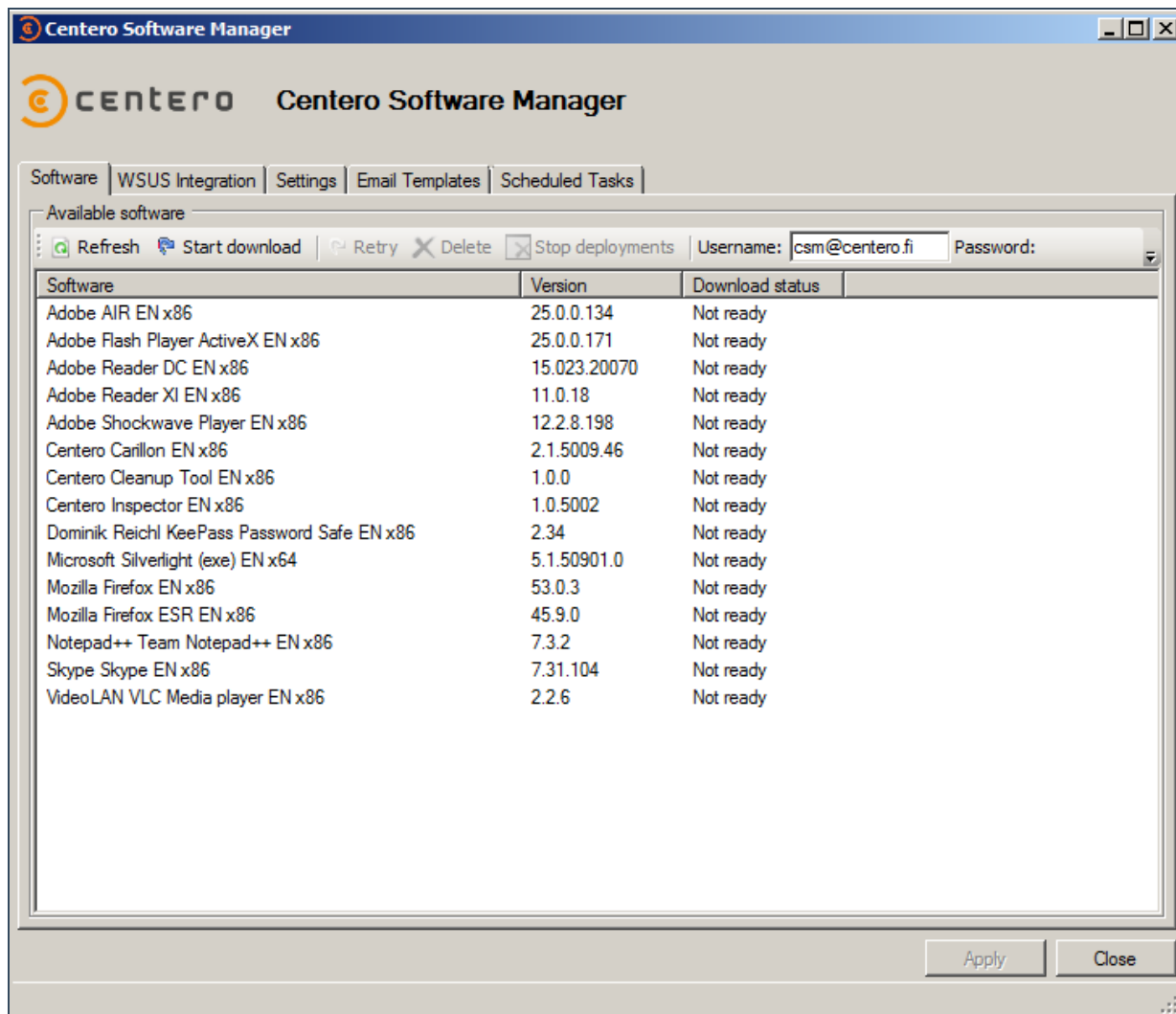
There are a few requirements for devices using Centero Software Manager for Servers.

- Operating system version must be Windows Server 2008 or newer
- Microsoft .NET-framework version 4.x (if inspecting feature is used)

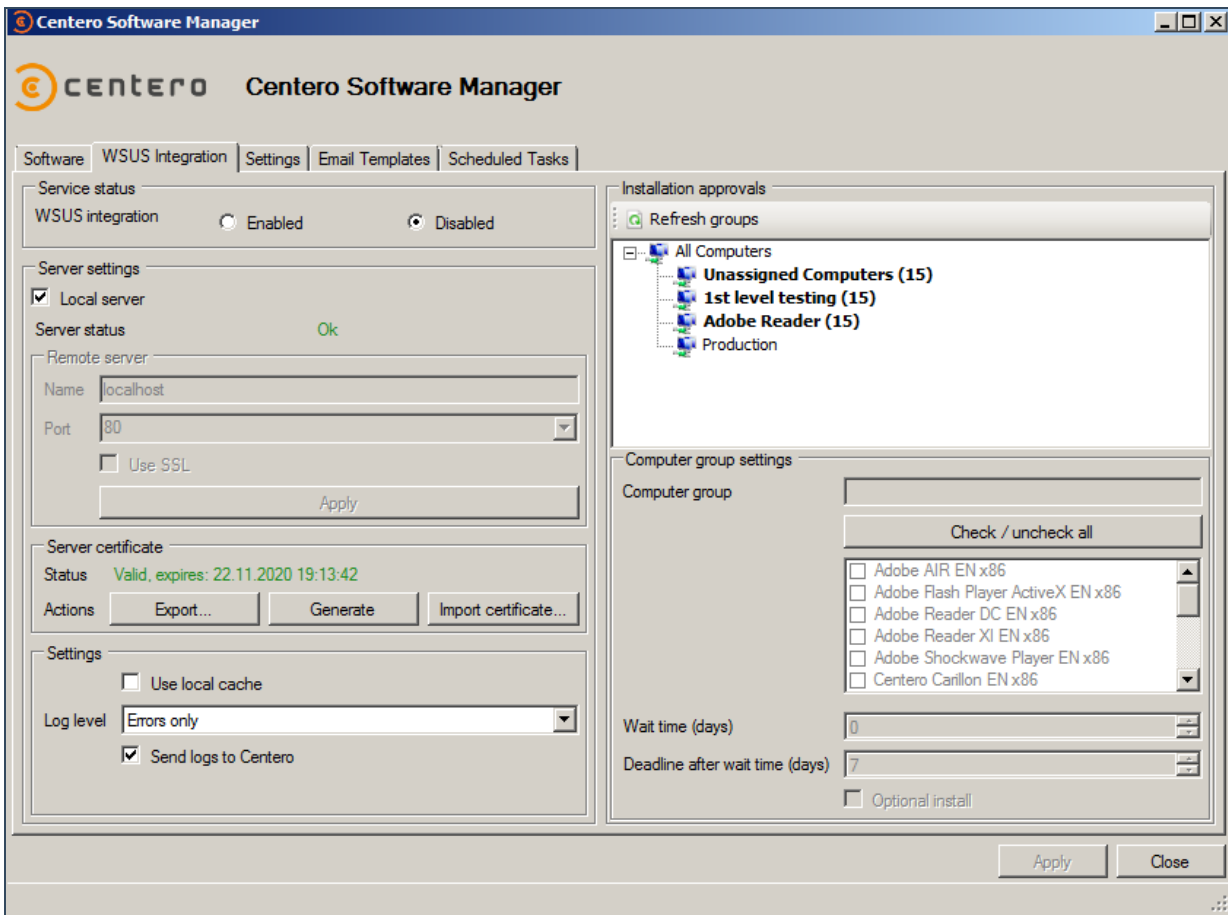
CSM for WSUS - Advanced Configuration After the Initial Wizard

Last Modified on 16/10/2017 2:32 pm EEST

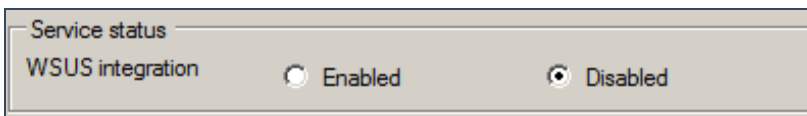
1. If the final selection to start deployment was No then CSM for WSUS will automatically launch. The first view is **Software** page which basically displays the selected 3rd party software and their statuses. At this point, before the first deployments, we want to make sure that the defined configuration is correct. You can do that by clicking WSUS Integration.



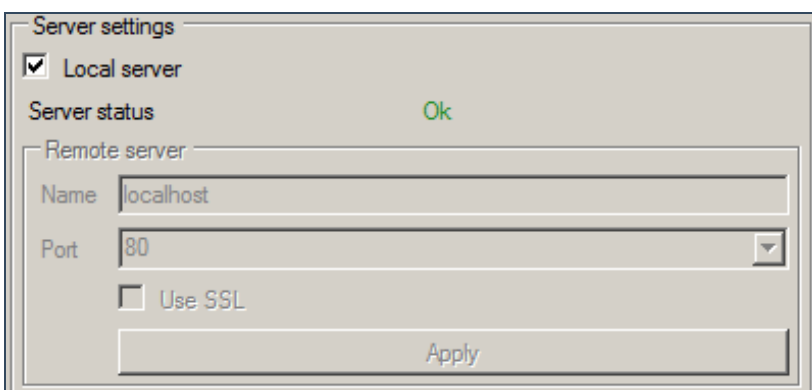
2. There are 6 different configuration areas on this view. Explaining all of them is covered in the document.



3. **Service status** is a selection whether the automatic software deployments and updates are enabled or not.



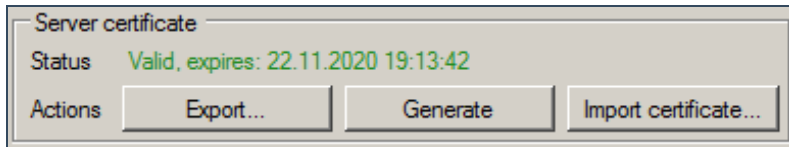
4. In **server settings** the WSUS server itself can be configured. CSM supports both, a local and a remote server.



5. A server certificate is required in order to publish 3rd party software to WSUS server. If there's an existing certificate it can be used by **importing** it. If there's no certificate, one can be **generated** in CSM. After the certificate is created it can be exported by choosing **export**.

The certificate used in CSM must be also stored to workstations in order to deploy 3rd party software to them. The certificate must be stored into both **Trusted root certification authorities** and **Trusted publishers** containers.

We recommend to do the certificate deployment by using Group Policy. We have more specific instructions for that.



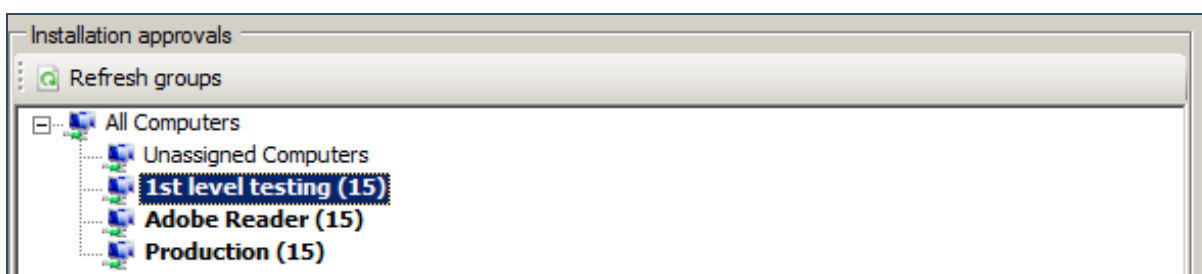
6. The **installation approval** is a generated view from WSUS groups and a number of 3rd party software allocated to them. These groups can be navigated by clicking on them. This will populate the information below the view to **computer group settings**.

In this view you can select which 3rd party software are targeted to specific groups and what are the time settings for the deployments. **Wait time** is the time that selected 3rd party software will become available to computers in the selected group. The time will start elapsing from the moment when we have published the new version of a 3rd party software and it's downloaded to the server.

It's important to acknowledge that the wait time is an artificial delay option made possible by CSM. WSUS doesn't originally provide wait time but only deadline. For this reason, updating wait time configuration for a deployment is effective next time when a new version of 3rd party software is published.

Deadline is different from wait time. Instead of software becoming available installation to computers it will become a required installation. Deadline-time will begin to elapse from the moment when wait time has completed.

Optional install does only work for Windows 7. A deployment of this kind will make a 3rd party software only available but not required.



Computer group settings

Computer group

- Microsoft Silverlight (exe) EN x64
- Mozilla Firefox EN x86
- Mozilla Firefox ESR EN x86
- Notepad++ Team Notepad++ EN x86
- Skype Skype EN x86
- VideoLAN VLC Media player EN x86

Wait time (days)

Deadline after wait time (days)

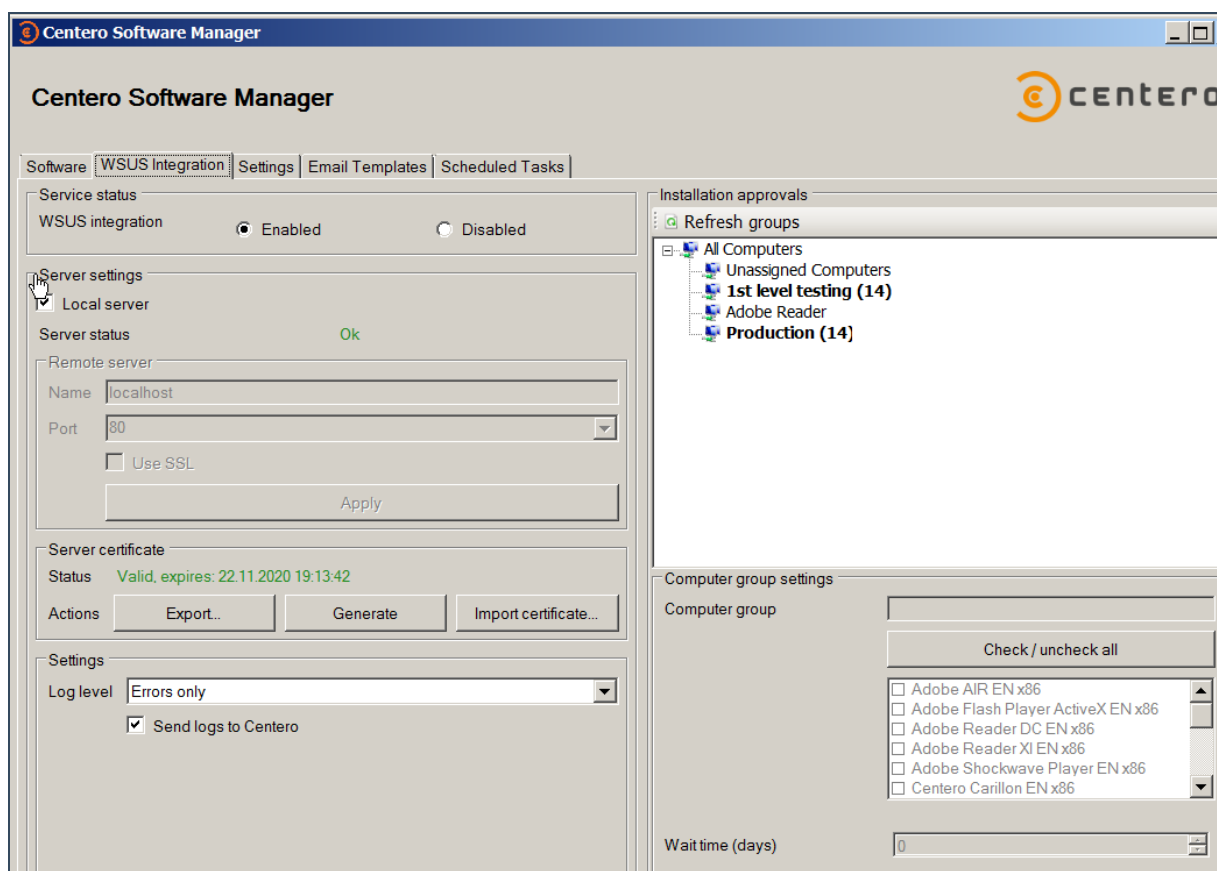
Optional install

CSM for WSUS - Adding or removing managed 3rd party software

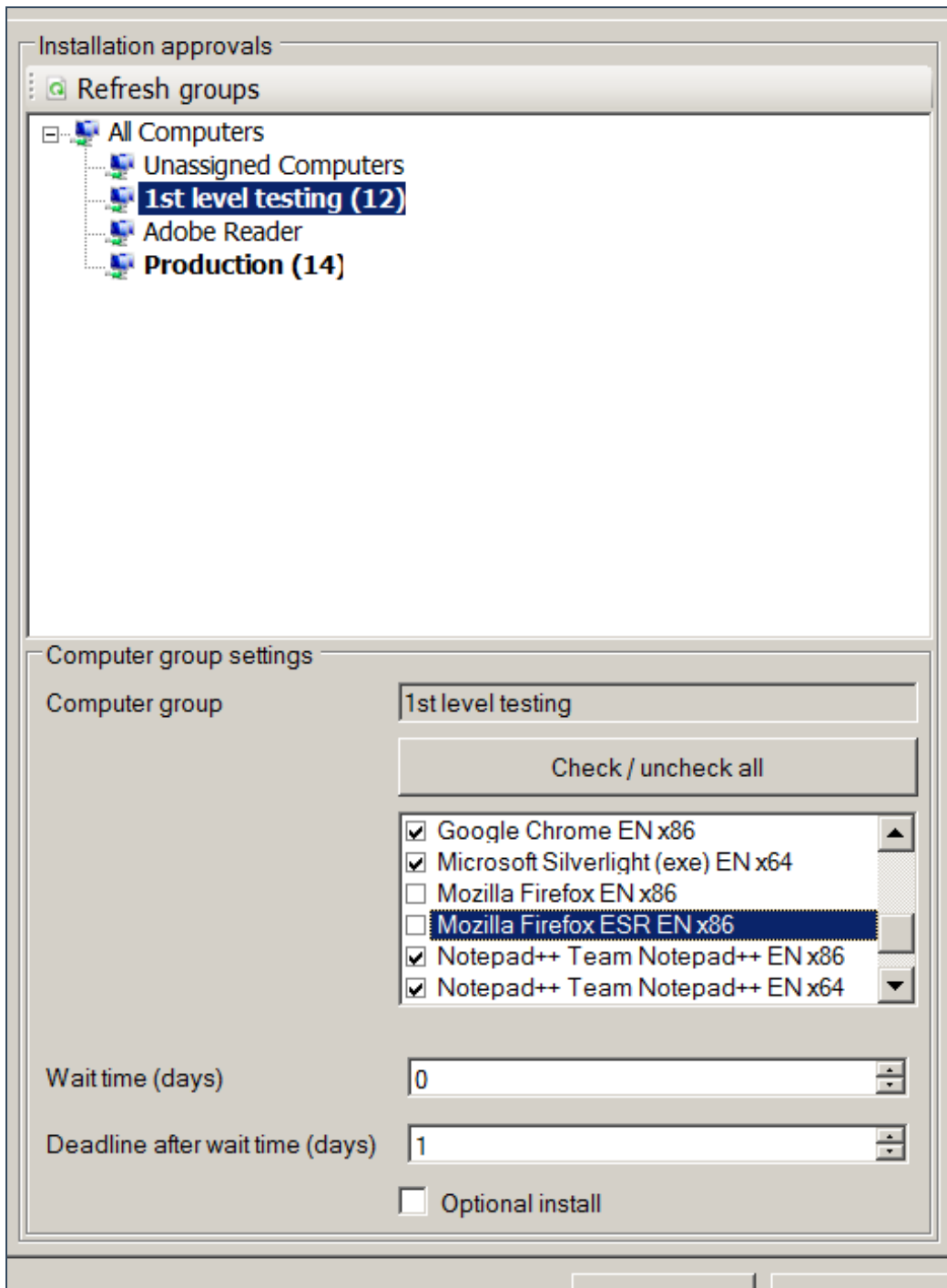
Last Modified on 24/10/2017 11:59 am EEST

CSM for WSUS lists all the 3rd party software which are linked to the current account. At this moment, changes to that list must be requested from Centero by messaging to csm.support@centero.fi.

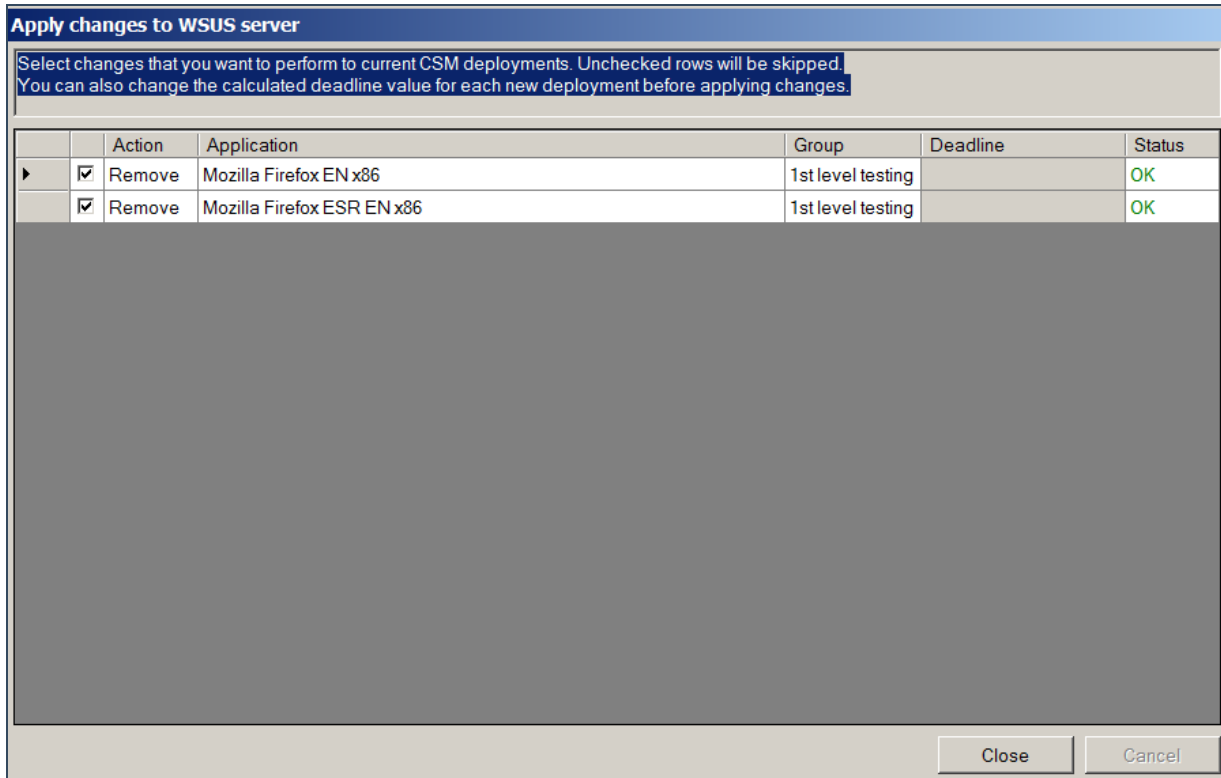
1. Open up **WSUS integration** tab in CSM for WSUS.



2. Select a WSUS group you want to modify. And then add or remove 3rd party software as you will. Click **Apply** after changes.



3. A new window will popup for confirmation. Click **OK** and the changes are made.



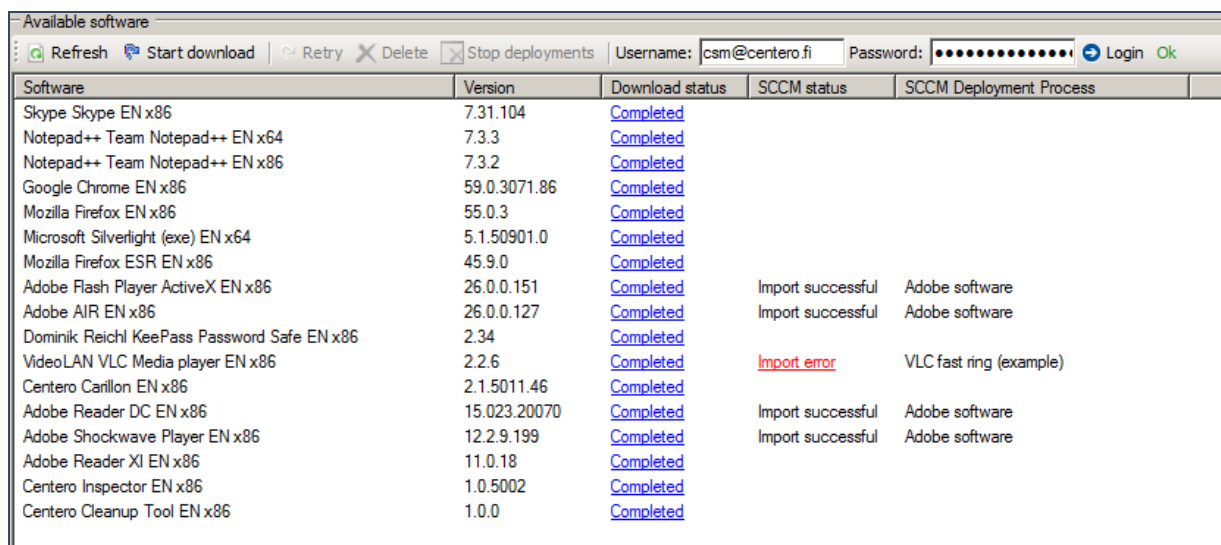
4. Changes can be verified in the software tab.

Software	Version	Download st...	WSUS status	WSUS Deployment Groups
Adobe AIR EN x86	27.0.0.124	Completed	Import succe...	1st level testing, Production
Adobe Flash Player ActiveX EN x86	27.0.0.170	Completed	Import succe...	1st level testing, Production
Adobe Reader DC EN x86	15.023.20070	Completed	Import succe...	1st level testing, Production
Adobe Reader XI EN x86	11.0.18	Completed	Import succe...	1st level testing, Production
Adobe Shockwave Player EN x86	12.2.9.199	Completed	Import succe...	1st level testing, Production
Centero Carillon EN x86	2.1.5011.46	Completed		
Centero Cleanup Tool EN x86	1.0.0	Completed		
Centero Inspector EN x86	1.0.5002	Completed		
Dominik Reichl KeePass Password Safe EN x86	2.34	Completed	Import succe...	1st level testing, Production
Google Chrome EN x86	59.0.3071.86	Completed	Import succe...	1st level testing, Production
Microsoft Silverlight (exe) EN x64	5.1.50901.0	Completed	Import succe...	1st level testing, Production
Mozilla Firefox EN x86	56.0.1	Completed	Import succe...	Production
Mozilla Firefox ESR EN x86	45.9.0	Completed	Import succe...	Production
Notepad++ Team Notepad++ EN x86	7.3.2	Completed	Import succe...	1st level testing, Production
Notepad++ Team Notepad++ EN x64	7.3.3	Completed	Import succe...	1st level testing, Production
Skype Skype EN x86	7.31.104	Completed	Import succe...	1st level testing, Production
VideoLAN VLC Media player EN x86	2.2.6	Completed	Import succe...	1st level testing, Production

CSM for WSUS - Troubleshooting import error

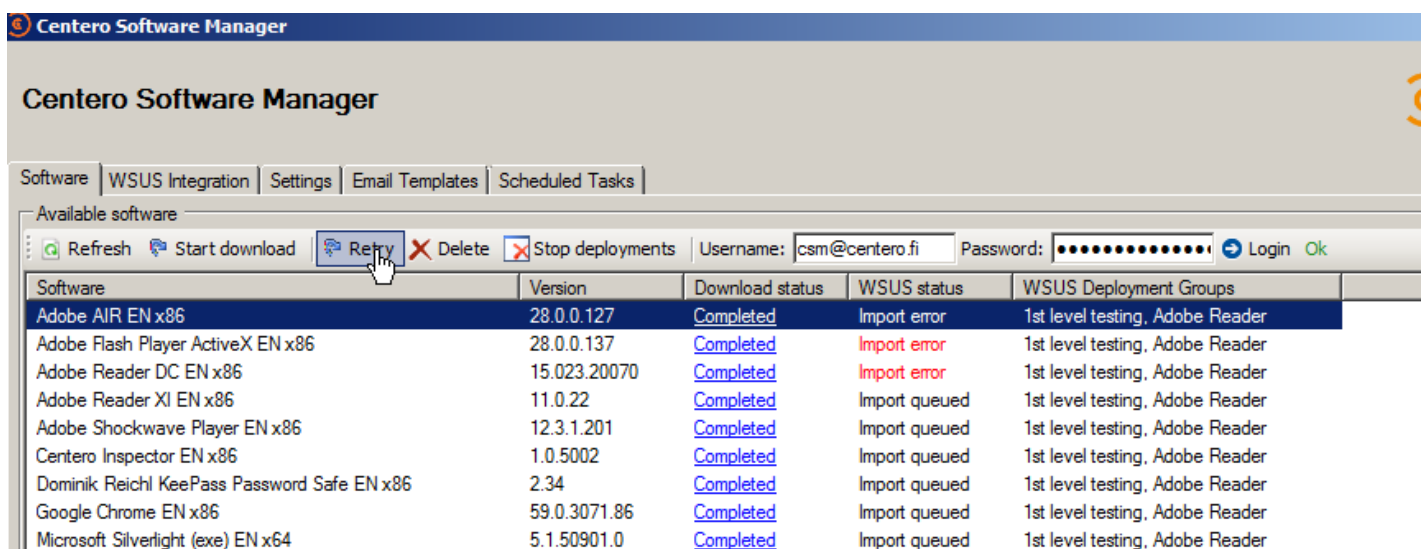
Last Modified on 01/02/2018 2:22 pm EET

Sometimes importing 3rd party software to WSUS might result as an error. CSM notifies clearly if there's something wrong with imports.



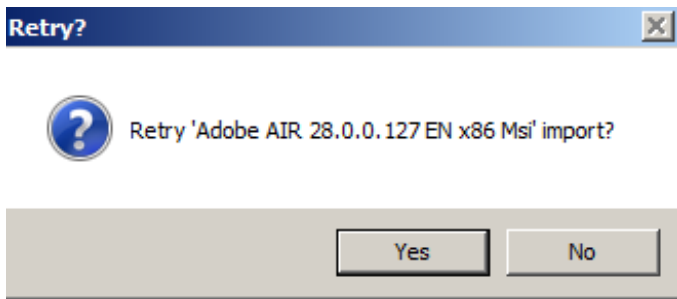
Software	Version	Download status	SCCM status	SCCM Deployment Process
Skype Skype EN x86	7.31.104	Completed		
Notepad++ Team Notepad++ EN x64	7.3.3	Completed		
Notepad++ Team Notepad++ EN x86	7.3.2	Completed		
Google Chrome EN x86	59.0.3071.86	Completed		
Mozilla Firefox EN x86	55.0.3	Completed		
Microsoft Silverlight (exe) EN x64	5.1.50901.0	Completed		
Mozilla Firefox ESR EN x86	45.9.0	Completed		
Adobe Flash Player ActiveX EN x86	26.0.0.151	Completed	Import successful	Adobe software
Adobe AIR EN x86	26.0.0.127	Completed	Import successful	Adobe software
Dominik Reichl KeePass Password Safe EN x86	2.34	Completed		
VideoLAN VLC Media player EN x86	2.2.6	Completed	Import error	VLC fast ring (example)
Centero Carillon EN x86	2.1.5011.46	Completed		
Adobe Reader DC EN x86	15.023.20070	Completed	Import successful	Adobe software
Adobe Shockwave Player EN x86	12.2.9.199	Completed	Import successful	Adobe software
Adobe Reader XI EN x86	11.0.18	Completed		
Centero Inspector EN x86	1.0.5002	Completed		
Centero Cleanup Tool EN x86	1.0.0	Completed		

1. There are a few possible scenarios how software import can fail. Retrying the import usually solves the problem. Select the 3rd party software with import error and click **Retry**.

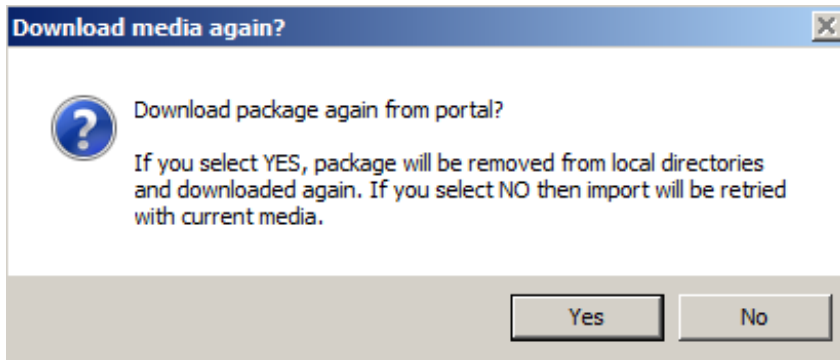


Software	Version	Download status	WSUS status	WSUS Deployment Groups
Adobe AIR EN x86	28.0.0.127	Completed	Import error	1st level testing, Adobe Reader
Adobe Flash Player ActiveX EN x86	28.0.0.137	Completed	Import error	1st level testing, Adobe Reader
Adobe Reader DC EN x86	15.023.20070	Completed	Import error	1st level testing, Adobe Reader
Adobe Reader XI EN x86	11.0.22	Completed	Import queued	1st level testing, Adobe Reader
Adobe Shockwave Player EN x86	12.3.1.201	Completed	Import queued	1st level testing, Adobe Reader
Centero Inspector EN x86	1.0.5002	Completed	Import queued	1st level testing, Adobe Reader
Dominik Reichl KeePass Password Safe EN x86	2.34	Completed	Import queued	1st level testing, Adobe Reader
Google Chrome EN x86	59.0.3071.86	Completed	Import queued	1st level testing, Adobe Reader
Microsoft Silverlight (exe) EN x64	5.1.50901.0	Completed	Import queued	1st level testing, Adobe Reader

2. Select **Yes**.



3. If the software version is fine and the package is reliable, there is no need to re-download it. Please select **No**.



4. Wait a while for the queue to complete.

Software	Version	Download status	WSUS status	WSUS Deployment Groups
Adobe AIR EN x86	28.0.0.127	Completed	Import queued	1st level testing, Adobe Reader
Adobe Flash Player ActiveX EN x86	28.0.0.137	Completed	Import error	1st level testing, Adobe Reader
Adobe Reader DC FN x86	15.023.20070	Completed	Import error	1st level testing, Adobe Reader

5. The import should be now successful.

Software	Version	Download status	WSUS status	WSUS Deployment Groups
Adobe AIR EN x86	28.0.0.127	Completed	Import successful	1st level testing, Adobe Reader
Adobe Flash Player ActiveX EN x86	28.0.0.137	Completed	Import error	1st level testing, Adobe Reader

If any these steps won't solve the problem. Please contact us.

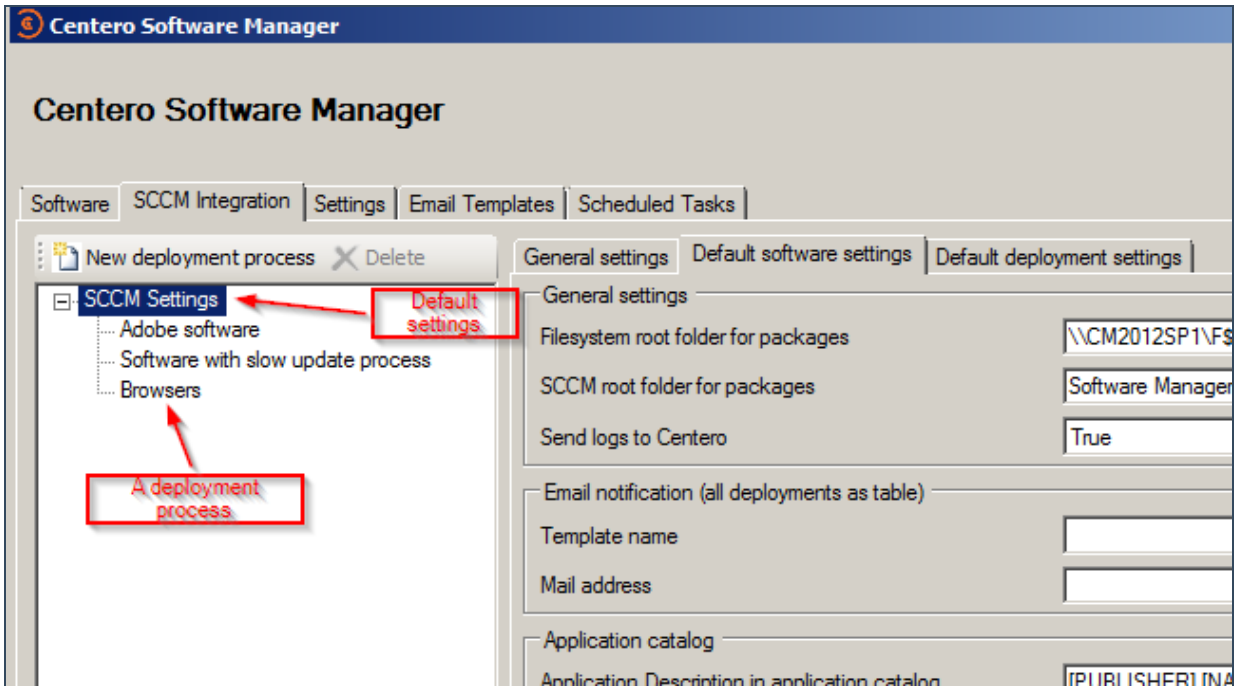
CSM for SCCM - Deployment processes

Last Modified on 16/10/2017 2:24 pm EEST

Deployment process overview

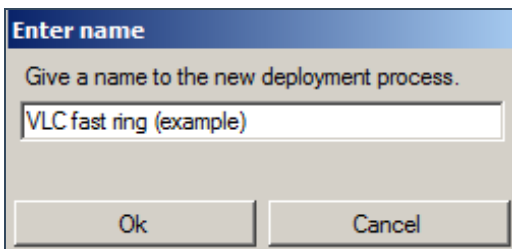
Deployment processes can be defined in SCCM integration tab. The deployment process navigation is in a tree form and default settings are always in the top.

Created deployment processes will appear in the tree view accordingly.

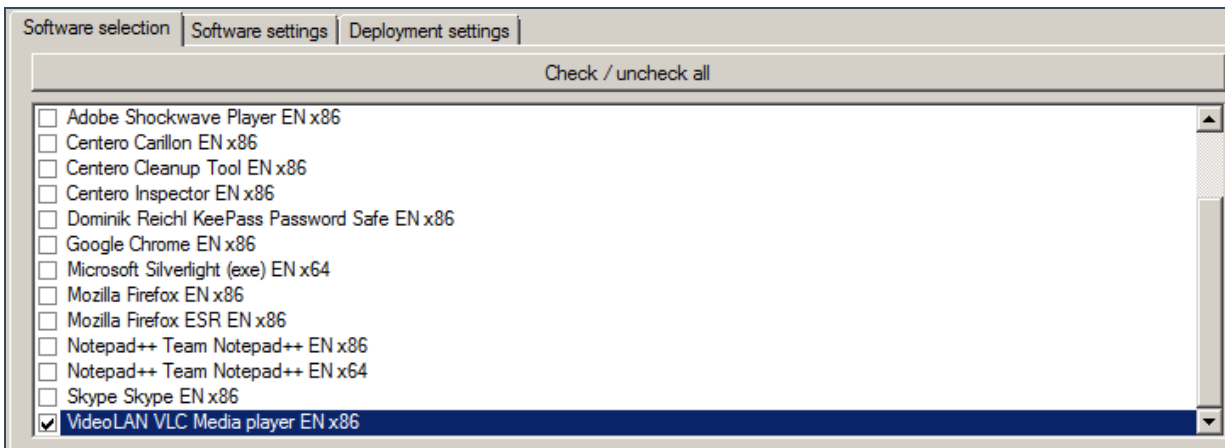


Creating a new deployment process (example)

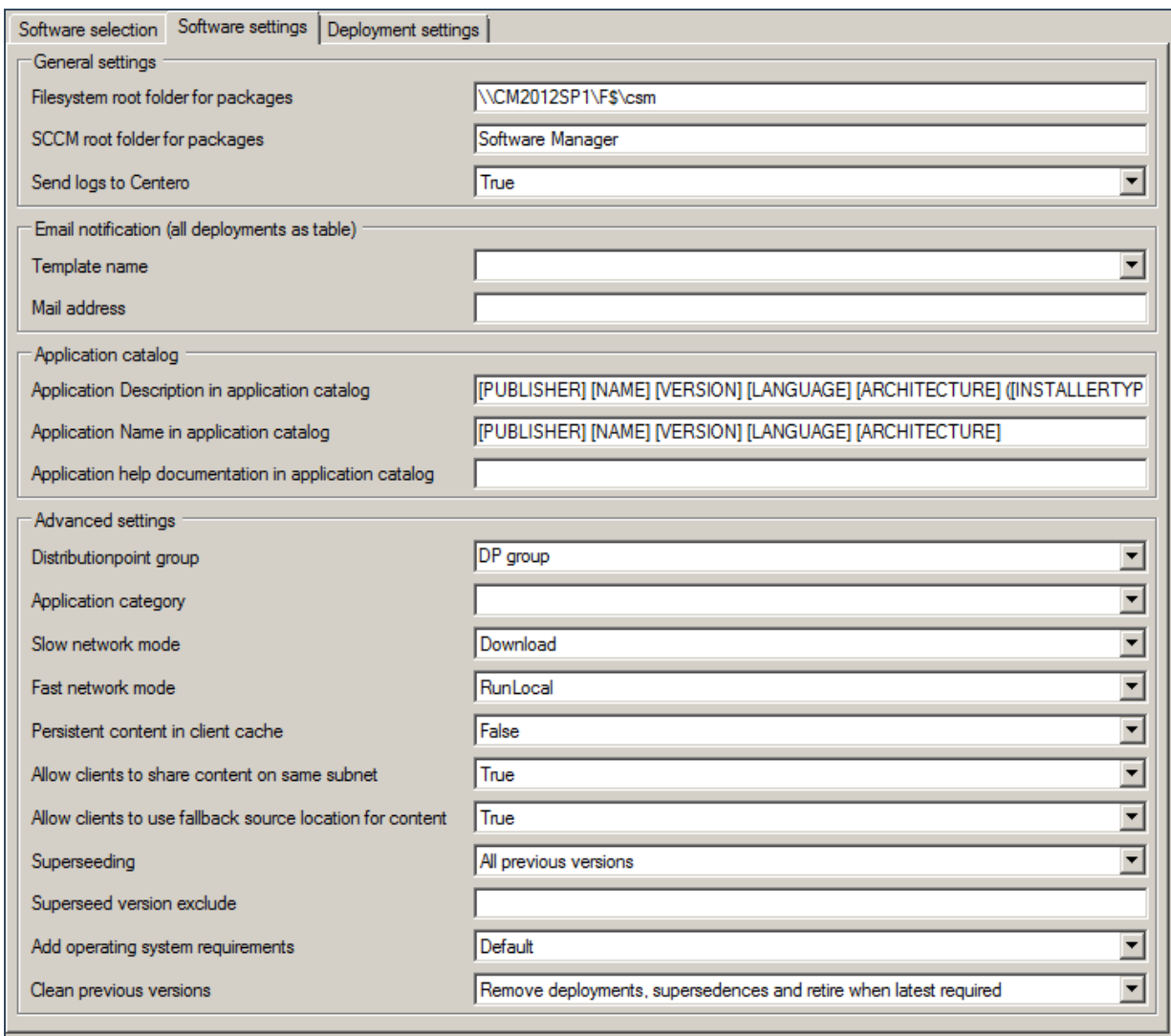
1. Click on New deployment process and name it.



2. Select the software you want on this process.



3. Define the expected configuration. If you defined these settings in the default deployment process they will be the same. The most of the time these settings are valid as they are.



4. Define advanced deployment settings as you see fit. In this scenario we have used a rather quick deployment pace. All the three deployment steps are followed through in 5 work days.

Software selection | Software settings | Deployment settings

Collections

New Delete Move up Move down Simulated publish time: 13.09.2017 10:24

Collection	Available (simulated)	Required (simulated)
1st level testing	ma 18.9. 16:00	ma 18.9. 16:00
2nd level testing	ke 20.9. 16:00	ke 20.9. 16:00
Production	pe 22.9. 16:00	pe 22.9. 16:00

Deployment settings

Collection name: Production

Collection type: Device

Deploy purpose: Required

User notification: Display all

Comment:

Scheduling

Make deployment available: Immediately after 0 working days on friday at any time

And force installation: Immediately after working days on at

Email notifications

Template name: Email Template - All deployments table

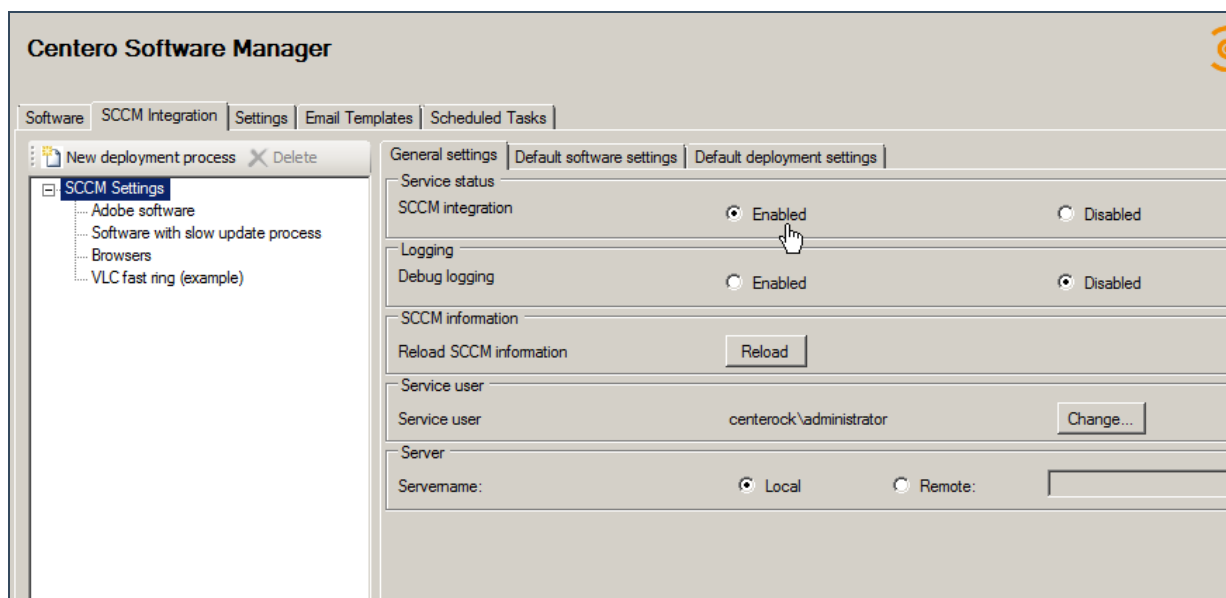
Email address: deployments@centero.fi

Apply Close

CSM for SCCM - Starting the 3rd party software updating

Last Modified on 16/10/2017 2:23 pm EEST

When CSM is [downloaded](#) , [installed](#) , [configured](#) properly and necessary [deployment processes](#) are created you can turn on the SCCM integration.



Now when the integration is enabled the statuses of the 3rd party software will change. There are 2 new statuses in the view.

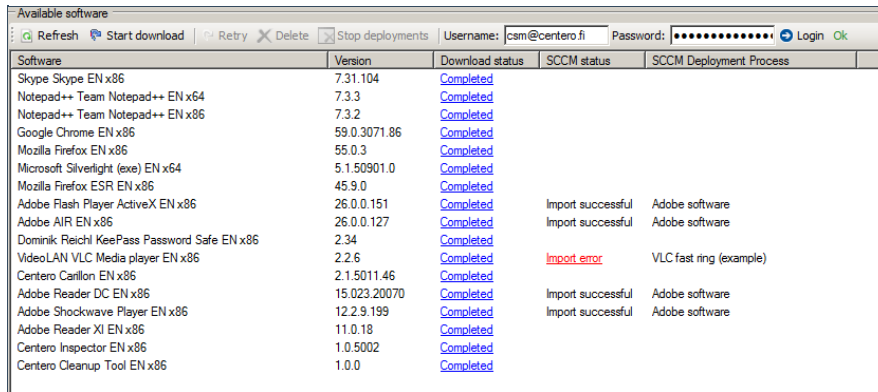
- **Import queued** means that the newest software version is being imported to SCCM. This usually takes a few minutes per software.
- **Import successful** means that the software is now successfully imported to SCCM.

Software	Version	Download status	SCCM status	SCCM Deployment Process
Adobe AIR EN x86	26.0.0.127	Completed	Import successful	Adobe software
Adobe Flash Player ActiveX EN x86	26.0.0.151	Completed	Import queued	Adobe software
Adobe Reader DC EN x86	15.023.20070	Completed	Import queued	Adobe software
Adobe Reader XI EN x86	11.0.18	Completed		
Adobe Shockwave Player EN x86	12.2.9.199	Completed	Import queued	Adobe software
Centero Carillon EN x86	2.1.5009.46	Completed		
Centero Cleanup Tool EN x86	1.0.0	Completed		
Centero Inspector EN x86	1.0.5002	Completed		
Dominik Reichl KeePass Password Safe EN x86	2.34	Completed		
Google Chrome EN x86	59.0.3071.86	Completed		
Microsoft Silverlight (exe) EN x64	5.1.50901.0	Completed		
Mozilla Firefox EN x86	55.0.3	Completed		
Mozilla Firefox ESR EN x86	45.9.0	Completed		
Notepad++ Team Notepad++ EN x86	7.3.2	Completed		
Notepad++ Team Notepad++ EN x64	7.3.3	Completed		
Skype Skype EN x86	7.31.104	Completed		
VideoLAN VLC Media player EN x86	2.2.6	Completed	Import queued	VLC fast ring (example)

CSM for SCCM - Importing problems

Last Modified on 16/10/2017 2:21 pm EEST

Sometimes importing 3rd party software to SCCM might result as an error. CSM notifies clearly if there's something wrong with imports.



Software	Version	Download status	SCCM status	SCCM Deployment Process
Skype Skype EN x86	7.31.104	Completed		
Notepad++ Team Notepad++ EN x64	7.3.3	Completed		
Notepad++ Team Notepad++ EN x86	7.3.2	Completed		
Google Chrome EN x86	59.0.3071.86	Completed		
Mozilla Firefox EN x86	55.0.3	Completed		
Microsoft Silverlight (exe) EN x64	5.1.50901.0	Completed		
Mozilla Firefox ESR EN x86	45.9.0	Completed		
Adobe Flash Player ActiveX EN x86	26.0.0.151	Completed	Import successful	Adobe software
Adobe AIR EN x86	26.0.0.127	Completed	Import successful	Adobe software
Dominik Reichl KeePass Password Safe EN x86	2.34	Completed		
VideoLAN VLC Media player EN x86	2.2.6	Completed	Import error	VLC fast ring (example)
Centero Carillon EN x86	2.1.5011.46	Completed		
Adobe Reader DC EN x86	15.023.20070	Completed	Import successful	Adobe software
Adobe Shockwave Player EN x86	12.2.9.199	Completed	Import successful	Adobe software
Adobe Reader XI EN x86	11.0.18	Completed		
Centero Inspector EN x86	1.0.5002	Completed		
Centero Cleanup Tool EN x86	1.0.0	Completed		

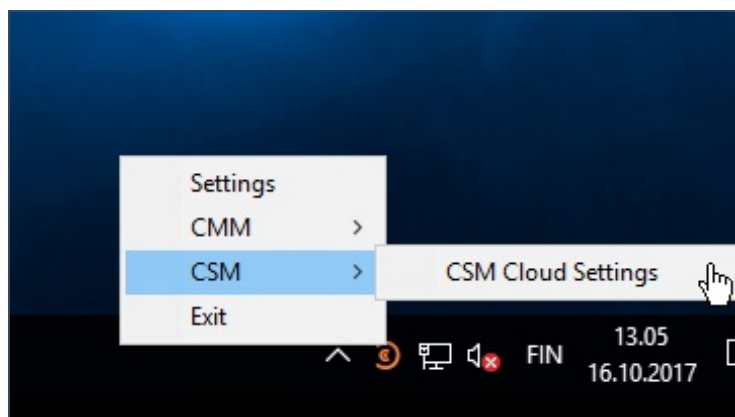
Clicking on **Import error** will open log files on specific software and its import. This log file will help on troubleshooting the problem.

```
09/18/2017 10:09:31 ERROR. VideoLAN VLC Media player 2.2.6 EN x86 Msi import failed to general exception: A parameter c
found that matches parameter name 'AvailableTime'.
09/18/2017 10:09:31 Starting rollback actions for application VideoLAN VLC Media player 2.2.6 EN x86 Msi
09/18/2017 10:09:37 Import failed and template file is more than 30 minutes old. Template 'C:\ProgramData\Centero\Softw
Manager\SCCM\Queue\SCCM Import - VideoLAN VLC Media player 2.2.6 EN x86 Msi.xml' moved to error directory
'C:\ProgramData\Centero\Software Manager\SCCM>Error'.
09/18/2017 10:14:03 Import failed but template file is not more than 30 minutes old. Leave it to queue for retry.
09/18/2017 10:19:02 Import failed but template file is not more than 30 minutes old. Leave it to queue for retry.
```

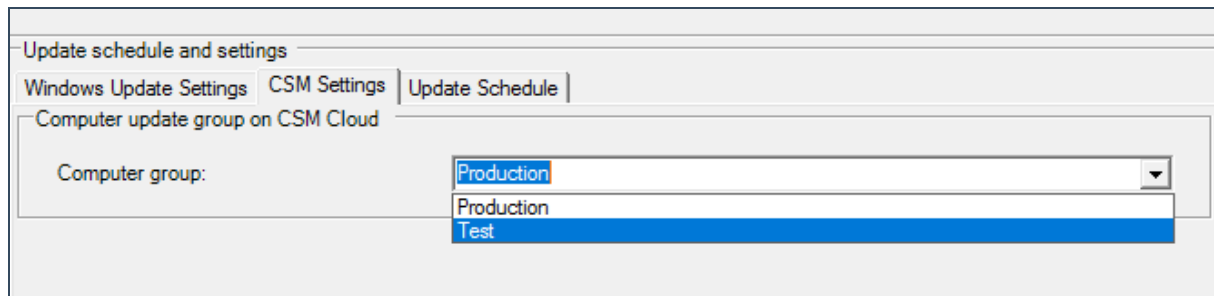
CSM for Servers - Managing settings

Last Modified on 16/10/2017 2:02 pm EEST

1. When CSM for Servers is properly installed the settings can be opened by clicking on system tray.



2. These are the default group settings which client retrieves. The settings can be defined as you like for individual servers.



The following settings can be modified per server.

- Windows update client mode:
 - 2 = Notify before download
 - 3 = Automatically download and notify of installation
 - 4 = Automatically download and schedule installation. (Only valid if values exist for ScheduleInstallDay and ScheduleInstallTime.)
 - 5 = Automatic Updates is required and users can configure it.
- No auto reboot with logged on users:


- 0 = Automatic updates notifies the user that the computer will restart in 15 minutes.
- 1 = Logged-on user can decide whether to restart the client computer or not.
- Elevate non admins
 - 0 = Only members of the **administrators** security group can approve or disapprove updates.
 - 1 = All the members of the **users** security group can approve or disapprove updates.
- Auto install minor updates
 - 0 = Treat minor updates like any other updates.
 - 1 = Silently install minor updates.
- Disable windows update access
 - 0 = Enable access to Windows Update.
 - 1 = Disable access to Windows Update.
- Reboot relaunch timeout
 - Range between 1 - 1400 minutes. Time between prompts for a scheduled restart.
- Detection frequency
 - Range between 1 - 22 hours. Time between update detection cycles.
- Reboot warning timeout
 - Range between 1 - 30 minutes. Length in minutes of restart warning countdown after updates have been installed that have a deadline or scheduled updates.

CSM Cloud Settings

Product activation

Hostname: **WIN-VH6AJ6KRVJ0** Registered to: **Centero Oy**

Product key: **[REDACTED]** (OK)



Update schedule and settings

Windows Update Settings | CSM Settings | Update Schedule

Windows update settings

Windows update server	<input type="text" value="https://wsus.csm.fi"/>
Windows update status server	<input type="text" value="https://wsus.csm.fi"/>
Accept trusted publisher certs	<input type="text" value="1"/>
Windows update client mode	<input type="text" value="3"/>
No auto reboot with logged on users	<input type="text" value="1"/>
Elevate non admins	<input type="text" value="1"/>
Auto install minor updates	<input type="text" value="0"/>
Disable windows update access	<input type="text" value="0"/>
Reboot relaunch timeout	<input type="text" value="60"/>
Detection frequency	<input type="text" value="8"/>
Reboot warning timeout	<input type="text" value="30"/>

Apply Close

3. Updates can be scheduled by using server groups or individually modifying per server.

x
CSM Cloud Settings

Product activation
 Hostname: **WIN-VH6AJ6KRVJ0** Registered to: **Centro Oy**
 Product key: XXXXXXXXXX-XXXXXX-XXXXXX-XXXXXX-XXXXXX **(OK)**

**software
manager**

Update schedule and settings
Windows Update Settings | CSM Settings | Update Schedule

Information about installation start schedule

Updates will be downloaded all the time by the windows update service but it will not install them. You can select months, monthdays, weekdays and hours when update installation is allowed to start. It will be executed once per one hour time slot.

Create schedule filters and check 'Next installation start times' view.

Next installation start times
 18.10.2017 0.00.00
 18.10.2017 1.00.00
 18.10.2017 2.00.00
 23.10.2017 0.00.00
 23.10.2017 1.00.00
 23.10.2017 2.00.00
 25.10.2017 0.00.00
 25.10.2017 1.00.00
 25.10.2017 2.00.00
 30.10.2017 0.00.00

Months

All Select
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12

Monthdays

All Select

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12

13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24

25
 26
 27
 28
 29
 30
 31

Weekdays

All Select
Mon Tue Wed Thu Fri Sat Sun

1
 2
 3
 4
 5
 6
 7

Hours

All Select

0
 1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11

12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23

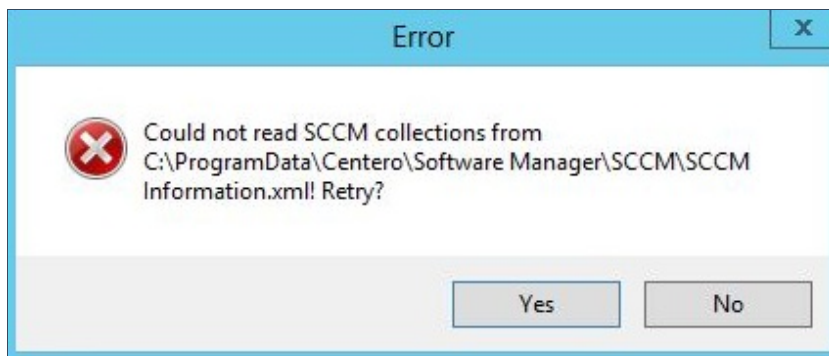
Apply
Close

Could not read SCCM collections from SCCM Information.xml

Last Modified on 01/03/2018 10:40 am EET

Error message:

Could not read SCCM collections from C:\ProgramData\Centero\Software Manager\SCCM\SCCM Information.xml!



Solution:

1. Delete the following file:

C:\ProgramData\Centero\Agent\Modules\4.6\CMM\ThreshDir\schedule.CollectSCCMInformation.xml

2. Wait one minute so **SCCM Information.xml** will be re-created.

3. Start CSM for SCCM.

CSM for SCCM cannot import a 3rd party software

Last Modified on 01/03/2018 4:17 pm EET

Issue:

There are problems when trying to import a 3rd party software.

Possible solutions:

1. Check out the following log **C:\ProgramData\Centero\Software Manager\Logs\SCCM-Management.log**. There might be a error with following text "There was no matching filter and/or some default settings are missing".

- Check the there is a deployment process selected for the software.
- Make sure that there is a distribution group selected.

2. Check out the following log **C:\ProgramData\Centero\Software Manager\Logs\SCCM-Management.log**. There might be a error with following text "Cannot find drive. A drive with the name 'xx' does not exist".

- Make sure that the account used for CSM for SCCM have the [proper Powershell privileges](#) .
- This might happen sometimes when SCCM has been updated.

3. Check out the following log **C:\ProgramData\Centero\Software Manager\Logs\SCCM-Management.log**. There might be a error with following text "Filter on settings group '*software x*' matches also with application . Multiple filters are not supported so you have to fix that manually".

- Make sure that a 3rd party software isn't included in multiple deployment processes.

CSM won't send billing information

Last Modified on 01/03/2018 2:52 pm EET

Issue:

CSM installation isn't sending logs or billing information to Centero.

Possible solutions:

1. There is an account running **Centero Agent** service. If the account doesn't have write permission to the following registry keys and sub-keys.

HKEY_LOCAL_MACHINE\Software\Centero

Open registry editor and add sufficient permissions to the keys and folders.

2. If the same account doesn't have write permission to folder **C:\ProgramData\Centero** and to its subfolders. Add the account to local administrators or add sufficient permissions to the **Centero** folder and its subfolders.

3. The **Centero Agent** service might be stopped for some reason. This might have happened even though the service is set to be started automatically. We recommend to set the service to have start type set to **Automatic (delayed)**. We've noticed that especially on some slower machines delayed service start will function in a more reliable way.

4. CSM might not be sending logs at all. You can find out this by looking to folder **C:\ProgramData\Centero\Agent\Xml\SendQueue** and if there are logs named **CMM-CSM*.cz**. Centero Software Manager must have a valid network connection to <http://gateway.centero.fi/AgentGateway.asmx>.

- Gateway address might be missing or send interval time might be badly configured. Gateway address must be set to <http://gateway.centero.fi/AgentGateway.asmx>. It can be managed by modifying key **Gateway Address** in **HKEY_LOCAL_MACHINE\Software\Centero**.
- Also check that **Send interval** key is not set to 0. It has to be 1 or more.

Change key **debug** to 1 and clear key **Last send time** empty in **HKEY_LOCAL_MACHINE\Software\Centero**. Within a minute agent will try to send logs again and key **Last send time** should have a timestamp now. Find out from **C:\ProgramData\Centero\Agent\Logs\Centero Agent Debug.log** if logs were sent or if there are any errors.

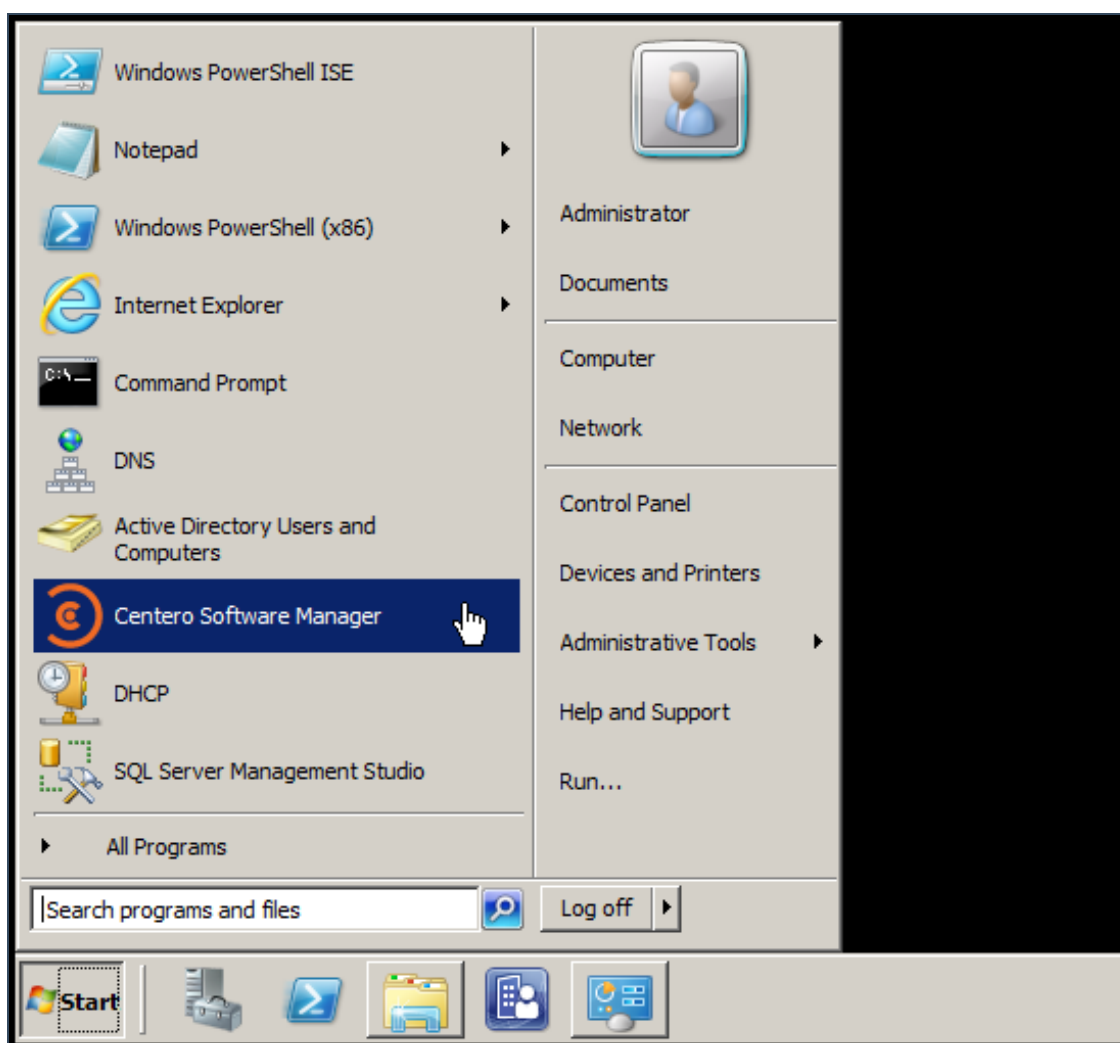
5. CSM might not be sending error logs. You can find out this by looking to folder `C:\ProgramData\Centero\Agent\Xml\ErrorQueue` and if there are logs named `CMM-CSM*.cz`. Try moving these logs files to `C:\ProgramData\Centero\Agent\Xml\SendQueue` and repeat the steps of 4. paragraph.

CSM for SCCM - How to upgrade CSM

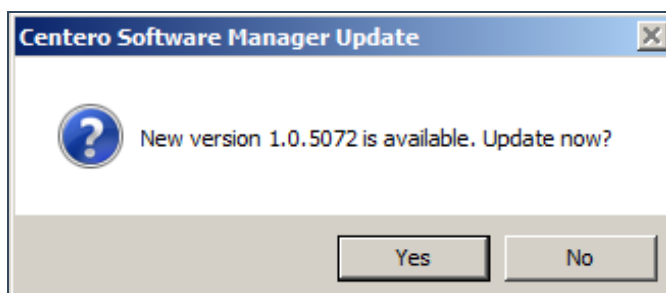
Last Modified on 13/10/2017 2:33 pm EEST

Centero announces all the version updates of CSM. Updating is a semi-automatic task but it requires a few actions on server.

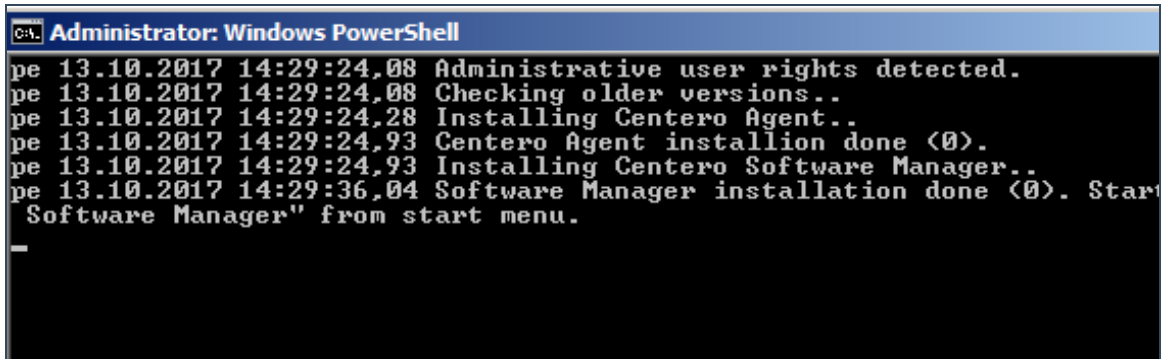
1. Launch Centero Software Manager.



2. You will be prompted to update CSM. Select Yes.



3. Command prompt will let you know when the upgrade is done.



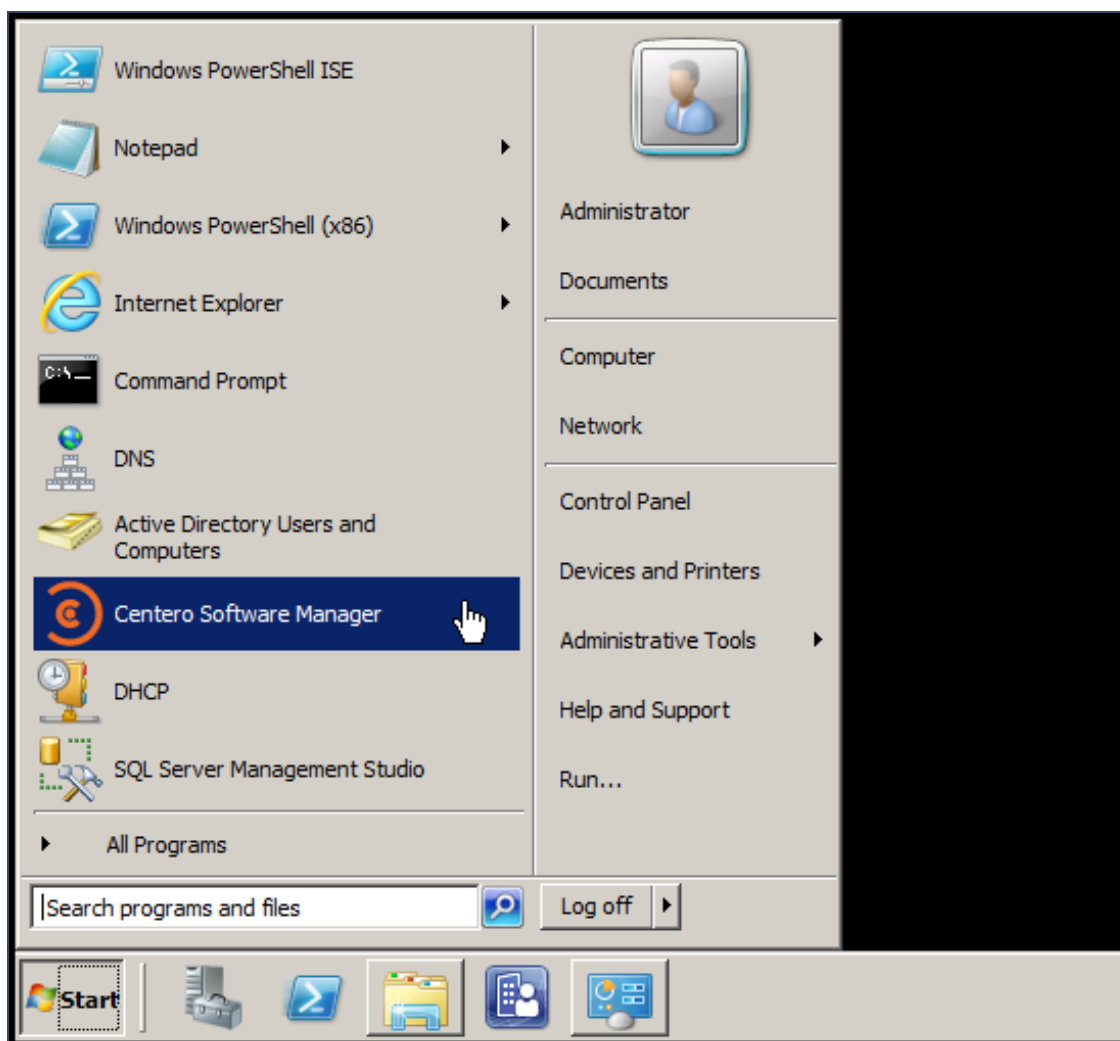
```
Administrator: Windows PowerShell
pe 13.10.2017 14:29:24,08 Administrative user rights detected.
pe 13.10.2017 14:29:24,08 Checking older versions..
pe 13.10.2017 14:29:24,28 Installing Centero Agent..
pe 13.10.2017 14:29:24,93 Centero Agent installion done (0).
pe 13.10.2017 14:29:24,93 Installing Centero Software Manager..
pe 13.10.2017 14:29:36,04 Software Manager installation done (0). Start
  Software Manager" from start menu.
```

CSM for WSUS - How to upgrade CSM

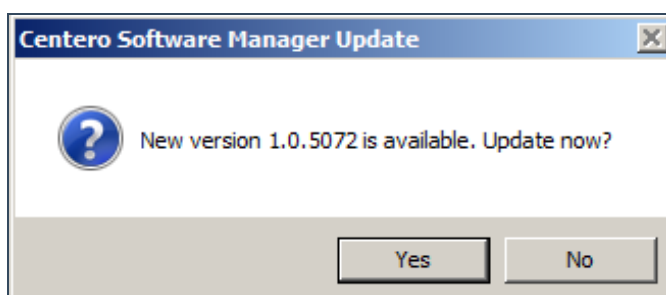
Last Modified on 16/10/2017 3:09 pm EEST

Centro announces all the version updates of CSM. Updating is a semi-automatic task but it requires a few actions on server.

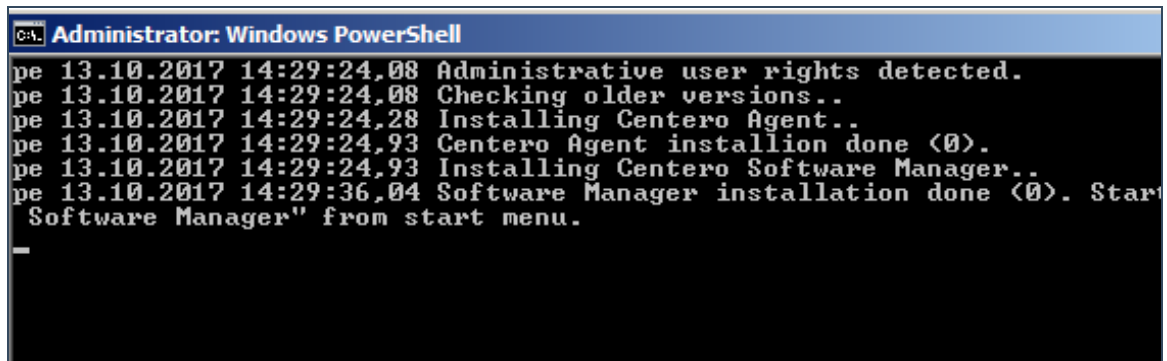
1. Launch Centro Software Manager.



2. You will be prompted to update CSM. Select Yes.



3. Command prompt will let you know when the upgrade is done.



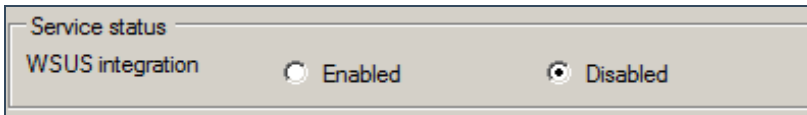
```
Administrator: Windows PowerShell
pe 13.10.2017 14:29:24,08 Administrative user rights detected.
pe 13.10.2017 14:29:24,08 Checking older versions..
pe 13.10.2017 14:29:24,28 Installing Centero Agent..
pe 13.10.2017 14:29:24,93 Centero Agent installion done (0).
pe 13.10.2017 14:29:24,93 Installing Centero Software Manager..
pe 13.10.2017 14:29:36,04 Software Manager installation done (0). Start
  Software Manager" from start menu.
```


Migrating CSM for WSUS to a new server

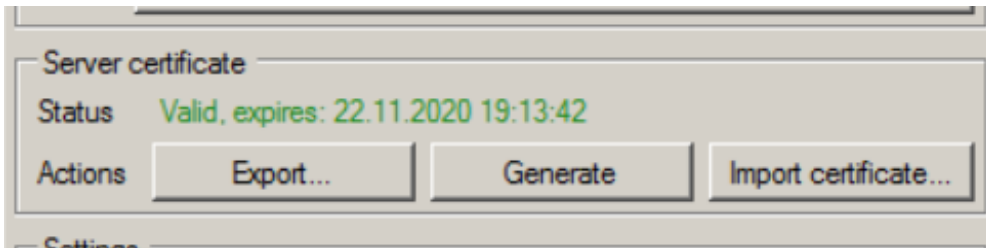
Last Modified on 14/03/2018 10:15 am EET

Existing server

1. Disable the service in **WSUS integration** in **Service status** section.



2. We recommend to use the existing self signed certificate. It is already shared to managed workstations in most of the cases. Export the certificate. This can be done in **WSUS integration** tab in **Server certificate** section. Choose **export** and save the certificate for the new server.



3. We recommend also export the existing CSM for WSUS settings. These settings are located in C:\ProgramData\Centero\WSUS.xml. Copy the XML-file for the new server.

New server

Before migration of CSM for WSUS, make sure that WSUS component is completely migrated to the new server. Also check that all the [requirements](#) are met.

1. [Download and install CSM for WSUS](#) .

2. [Open CSM for WSUS and go through the initial wizard](#). Choose **No** at the last step when CSM for WSUS is about to start the deployments.

3. CSM for WSUS ui opens up for the first. Close the software.

4. Copy the **WSUS.xml** from the old installation to the new installation to the similar location.

5. Launch CSM for WSUS from the start menu and check if all the configuration are valid.

6. If configuration is all in order - then enable CSM for WSUS in **WSUS integration** in **Service status** section.

1.0.5072

Last Modified on 11/10/2017 1:54 pm EEST

Fixed bugs

- No bugs fixed in this release

New features

- New dependency mode setting (chain / main package)

Other improvements

- No new improvements in this release

1.0.5071

Last Modified on 19/06/2017 10:50 am EEST

Fixed bugs

- New deployment process button problem
- SCCM import problem when available deployment with no deadline and cleanup in use

New features

- No new features added

Other improvements

- No other improvements

1.0.5070

Last Modified on 19/06/2017 10:50 am EEST

Fixed bugs

- Category and distribution point group combobox problems

New features

- No new features added

Other improvements

- No other improvements

1.0.5069

Last Modified on 19/06/2017 10:51 am EEST

Fixed bugs

- No bugs fixed

New features

- Cleanup for SCCM application previous versions (deployments and supersedence clean + retire)
- Remote installation with SCCM Console only
- New scheduled task system.

Other improvements

- Less revisions on SCCM application insert
- SCCM WMI query performance improvements
- SCCM supersedence and deployment cleanup will increase client performance
- SCCM ID based collection, distribution point group and category on settings (rename possible)
- SCCM new "All active previous versions" superseed type. Good option with cleanup.
- SCCM deployment email send is now on deployment time (before it was application insert time)
- Log for CSM actions in SCCM integration
- SCCM icon insert problem is now error (will fail application insert)

1.0.5068

Last Modified on 11/10/2017 1:20 pm EEST

Fixed bugs

- No bugs fixed in this release

New features

- Scheduled email sending for deployments (emails are sent when deployment step becomes available)
- Removing old deployments
- Scheduled tasks view in CSM application

Other improvements

- No new improvements in this release

1.0.5067

Last Modified on 08/03/2017 1:23 pm EET

Fixed bugs

- Save button problems on email templates
- Tag insert problems on email templates
- Character encoding problems with email templates
- File select dialog not shown when importing existing signing certificate on WSUS

New features

- No new features added in this release

Other improvements

- SMTP authentication available
- Ability to send SMTP test email
- Start wizard texts and structure
- Hide user notifications option removed from SCCM deployments when deployment type is available (this is not supported in SCCM)

1.0.5066

Last Modified on 08/03/2017 1:17 pm EET

Fixed bugs

- Reloading SCCM configuration multiple times in a short time window caused software to crash.
- While updating the software to a newer version the integration type was recognised incorrectly.
- Deleting an active WSUS group caused a great deal of logging to be sent without a reason.

New features

- No new features added in this release

Other improvements

- Configuration wizard after installation phase have been made mandatory. If the wizard is cancelled, it will be shown again next time the software is launched.
- Software tab now automatically refreshes the states of the managed software.

1.0.5065

Last Modified on 08/03/2017 1:16 pm EET

Fixed bugs

- SCCM configuration refresh clears some settings
- SCCM deployment settings for UTC / Client local time handling

New features

- No new features added in this release

Other improvements

- SCCM configuration refresh performance
- CSM integration type specified in start wizard / configuration file instead of autodedect

1.0.5064

Last Modified on 08/03/2017 1:16 pm EET

Fixed bugs

- Deadline can be specified for SCCM available deployment when using user collection as target (deadline affects only if users have already installed any superseded versions)
- WSUS tab does not ask to save changes if no changes are done to WSUS settings
- WSUS tab is not show on SCCM integrations even if WSUS is installed to server where CSM is installed

New features

- Self update for CSM application added
- WSUS software approval changes applied immediately to WSUS (to current version not just to future versions)

Other improvements

- Only unique members of collections used in SCCM collections are returned
- CSM installation package configuration file handling
- Log level display names for WSUS in CSM application changed
- Start wizard texts
- Start wizard SMTP settings are now disabled by default

Oracle Java Runtime Environment 8.0.1610.12 and C:\sun folder

Last Modified on 14/02/2018 2:38 pm EET

We have found a bug in Oracle Java Runtime Environment Installer in a version 8.0.1610.12. When a package is installed using the *SYSTEM* account, (CSM uses *SYSTEM* account for installation.) Installer creates a folder *C:\sun*. We have tested that this folder is not needed. You can either delete folder or leave it there.

What will CSM support team do?

- In the next Java release this bug will be reviewed. If problem still exists, it will be fixed in package.

What can you do before next release?

- There isn't any technical or security reason, why removing of the folder *c:\sun* would be mandatory, so we recommend you do to nothing.
- The folder also can be removed if you like so.

Support

Last Modified on 23/08/2018 12:58 pm EEST

All Centero Software Manager customers are entitled to unrestricted support for Centero Software Manager application. Email is used as support channel.

If you don't find solution for your problem from this knowledge base, don't hesitate to email our support at [support\(at\)software-manager.com](mailto:support@software-manager.com).

