Table of Contents

Service Description	4
Overview of the Centero Software Manager	4
Available Service Applications in the Centero Software Manager service	5
Available Service Applications for a Trial	10
Features and quality first	11
Professionally packaged applications	11
Maintain also organization specific applications	12
Flexible application distribution process definitions	13
Solution works on different platforms	14
Process description for CSM for SCCM and WSUS	14
Implementation	15
CSM for SCCM	15
Preparations	15
Prerequisites	15
System requirements	15
SCCM requirements	16
Preparation checklist	17
SCCM configuration	18
Application Catalog	21
Deployment processes	22
Installation	24
CSM for SCCM - Configuration wizard	24
Open a Windows PowerShell connection on CSM for SCCM server	33
CSM for SCCM - Downloading and extracting CSM	34
Configuration	36
	36
CSM for SCCM - Advanced configuration after the initial wizard	36
Existing deployments	42
CSM for SCCM - How to verify successful implementation	45
CSM for WSUS	40
CCM for WCUC Cystom requirements	40
CSM for WSUS - System requirements	40
CSM for WSUS - WSUS requirements	47 ۸۵
CSM for WSUS - Checking auto approval settings	40 51
CSM for WSUS - Existing Sid party software & deployments	51 52
Installation	JZ
Downloading and extracting the files	J4 54
Initial configuration during the start wizard	56
Configuration	61
Wizard	61
Advanced configuration after the initial wizard	61
Create or replace a WSUS publishing certificate for 3rd party deployment	65
CSM for WSUS - How to verify a successful implementation	74
CSM Cloud	77
Preparations	77
CSM Cloud - Requirements	77
Installation	78

CSM Cloud - Downloading and installing the client	
CSM for Servers	81
CSM for Servers - Downloading and installing the client	81
CSM for Servers - Requirements	84
Management	85
New Application	85
Check Current Versions	85
Deployments	85
CSM for WSUS	85
CSM for WSUS - Advanced Configuration After the Initial Wizard	85
CSM for WSUS - Adding or removing managed 3rd party software	89
CSM for WSUS - Troubleshooting import error	92
CSM for SCCM	
CSM for SCCM - Deployment processes	
CSM for SCCM - Starting the 3rd party software updating	97
CSM for SCCM - Importing problems	99
CSM for Servers	100
CSM for Servers - Managing settings	100
Troubleshoot	104
CSM Cloud	104
CSM for WSUS	104
CSM for SCCM	
CSM won't start	104
Could not read SCCM collections from SCCM Information.xml	104
Importing a 3rd party software fails	105
CSM for SCCM cannot import a 3rd party software	105
CSM for Servers	106
CSM won't send billing information	106
Upgrading	108
CSM for SCCM	108
CSM for SCCM - How to upgrade CSM	108
CSM for WSUS	110
CSM for WSUS - How to upgrade CSM	110
CSM Cloud	112
Migration	112
CSM for WSUS	112
Migrating CSM for WSUS to a new server	
CSM for SCCM	
Removal	
Portal	113
Panarts	
Application Management	113
Application Management	113 112
	113
1.0.5072	113 114
1.0.5071	114 115
1.0.5070	115 116
1.0.5069 1.0.5069	110 117
1.0.5000	11/ 110
1.0.5067	110 110

1.0.5065	120
1.0.5064	121
Service Announcements	122
Service Applications	122
Oracle Java Runtime Environment	122
Oracle Java Runtime Environment 8.0.1610.12 and C:\sun folder	122
Service Description v2	123
Introduction	123
Order and Delivery	123
Platform and Operations	123
Platform	123
Operations	123
Editions and Features	123
Editions	123
Features	123
Support and Maintenace	123
Communication	123
Pricing and Invoicing	123
Termination	123
Data and Privacy Protection	123
Support	123

Overview of the Centero Software Manager

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

Centero Software Manager (<u>CSM</u>) 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 an 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 Play	yer Plugin (NPAP	21)	
	EN	x86/x64	MSI
	EN	x86/x64	App-V
Adobe Reader X	I		
	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 D	С		
	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
EN	X86/X64	MSI

Eanguages Architegtures Technology Prerequisites

Apple iTunes			
	EN	x86	MSI
	EN	x64	MSI
Apple QuickTim	ie		
	EN	x86/x64	MSI
	EN	x86/x64	App-V
Citrix Receiver			
	EN	x86/x64	MSI
Dominik Reichl	KeePass Passwo	ord Safe	
	EN	x86/x64	MSI
	EN	x86/x64	App-V
dotPDN LLC Pa	in.NET		
	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
lgor Pavlov 7-Zi	р		
	EN	x86	MSI
	EN	x86	App-V
	EN	x64	MSI
	EN	x64	App-V

Microsoft .Net Framework 4.6.1 or later

K-Lite Mega Cod	Languages	Architectures	Technology	Prerequisites
	EN	x86/x64	MSI	
Martin Prikyl Wir	ISCP			
	EN	x86/x64	MSI	
	EN	x86/x64	App-V	
Microsoft Silverl	ight			
	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 E	SR			
	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 Run	time Environmen	ıt 7		
	EN	x86/x64	MSI	
	EN	x86/x64	App-V	
Oracle Java Run	time Environmen	it 8		
	EN	x86/x64	MSI	
	EN	x86/x64	App-V	

Pdfforge PDFCreator

Microsoft .Net Framework 4.0.0 or later

	Eanguages	Aschitectures	MS hnology	Prerequisites
	EN	x64	MSI	
Simon Tatham P	utty			
	EN	x86/x64	MSI	
	EN	x86/x64	App-V	
Skype (consume	r 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.

N - Centero)				×
				^ (
operties operties				
on Point Groups				- \$
< Distribution Point Groups 1 i	tems			
Search				X Search Add Criteria *
Icon Name	Collections Associated	Member Count	Description	
P Group	0	1	Used by CSM application	
DP Group				
DP Group Properties		Disk Space		Related Objects
	Operties operties ion Point Groups Distribution Point Groups 1 i Search icon Name DP Group	operties operties ion Point Groups	ion Point Groups Ion Point Groups 1 items Search Icon Name Collections Associated Member Count DP Group 0 1	ion Point Groups Ion Point Groups 1 items Search Icon Name Collections Associated Member Count DP Group 0 1 Used by CSM application

• 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

Ξ	Create New Distrib	ution Point Grou	p	x
<u>N</u> ame:	All Distribution Points]
Description:			~ ~	
Members Collection	ns			_
Distribution points points that you wa	can belong to more than one dis ant to add as members to this dist	tribution point group. Sp ribution point group.	pecify the distribution	
Distribution points	:			
Filter			P	
Name		Туре	Description	
CENSVM03.CE	NTERO.LOCAL	On-premises		
MANAGE.MICR	OSOFT.COM	Cloud		
		A <u>d</u> d	Remove	
		OK	Cancel	

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

CSM 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 deployments 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\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 exlude 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 deployement (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 Centero 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.

Centero Software	Manager Configuration Wizard	×
	Centero Software Manager Login Enter credentials.	
Usemame: Password:	Login Login successful	
Please enter credentials a your credent is csm.suppo	your Centero Software Manager credentials in the input fields above. The are delivered to you by Centero. If you don't have an account, you don't know ials or login fails for any other reason, please contact us. Our support address ort@centero.fi.	

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

Centero Software	e Manager Configuration Wizard	×
	Software Download Location Set download location for software installation packages.	
Folder:	C:\Software downloads Browse	
An organize in the specif	d folder structure for installation packages and documentation will be created fic location. At least 50 GB of free space is recommended for the selected disk.	

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

Centero Sof	ftware Manager Configuration Wizard	×
	Integration Type Select integration type.	
• • •	System Center Configuration Manager (SCCM) Windows Server Update Services (WSUS) Only package download	
If you curred pleas	only wish to download third-party sotware packages without any integration to your nt system, please select only package download. For the integration scenarios, e choose an option corresponding to your current update delivery system.	
	< Back Next > Cancel	

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**.

Centero Software	Manager Configuration Wizard	×
	SCCM Login Enter SCCM service account credentials.	
Server: Usemame: Password:	Local O Remote: centerock\administrator Set	
Service accord Administrator started once	punt requirements: Administrator privileges on this server, at least Application role in SCCM and password does not expire. Also powershell session must be in SCCM console with this account.	
	< Back Next > Cancel	

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.

Center	o Software Manage	er Configuration Wizard			×		
	SCCM Deployment Process Select how many deployment steps you want into default process.						
	O One step 💿	Two steps C Three step	05				
	Step	Collection	Available	Required			
	First deployment	1st level testing	Immediately	+1 working day			
	Second deployment	Production	+2 working days	+1 working day			
	Third deployment		-	-			
	Select SCCM collection for first and second deployment steps. Default values for available and required times can be changed later in Centero Software Manager.						
		< Ba	ack Next	> Cancel			

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

Centero Software	e Manager Configuration Wizard	×
	SCCM Distribution Point Group Set distribution point group.	
DP Group:	DP group	
Set default o	distribution point group.] 	

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.

Centero Software Manager Configuration Wizard	×
Software Selection Select software for the default deployment process.	
 Use default deployment process with all softwares 	
 Select Adobe AIR EN x86 Adobe Rash Player ActiveX EN x86 Adobe Reader DC EN x86 Adobe Reader XI EN x86 Adobe Shockwave Player EN x86 Centero Carillon EN x86 	
Select software you want to deploy with default deployment process. You can modify deployment settings for each software later.	
< Back Next > the Cancel	

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.

Centero Software Manager (Configuration Wizard	×
Email S Enter email	ettings settings.	
 No, I don't want to Yes, send email us 	send any emails. ing following settings:	
SMTP server:	smtpnetTest	
Port:	25 SSL / TLS Working.	
From address:	deployments@csm.fi	
Credentials:	Set (no authentication)	
SMTP settings are require for example when SCCM	d if you want to receive email notifications. Notifications are sent deployments are created. You can change these settings later.	
	< Back Next > Cancel]

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

SMTP Settings are working correctly!				
Server:	smtp. net			
Port:	25			
Secured:	False			
From:	deployments@csm.fi			
Authentication: no				

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.



Some Contracted management of the source of	Oentero Software Manager								
Software Sotta I Tempiates Scheduled Tasks Averailes software Stata download Retry Delete Stata download tabus Software 26.00.117 Net ready 15.02.20070 Net ready 110.18 Net ready 15.02.20070 Net ready 110.18 Net ready 15.03.20070 Net ready 110.19 Net ready 15.03.00.116 Net ready 110.22.3170 Net ready 15.03.00.116 Net ready 110.300 Net ready 15.03.00.116 Net ready 110.300 Net ready 15.03.00.116 Net ready 110.300 Net ready 55.03.1 Net ready 110.300 Net ready 73.1.04 Net ready 73.104 Net ready 73.1.04 Net ready 73.1104 Net ready 73.1.04 Net ready 73.1104 Net ready 73.1.04 Net ready 73.104 Net ready 73.1.04 Net ready 73.104 Net ready 73.1.04 Net ready 73.104 Net ready 73.1.04 Net ready<	Centero Software Manager							<u></u> CE	ntero
Average Story & Delete Story deployments Username: Pessword: Image: Control of Story (Control of Story (Software SCCM Integration Settings Email Templates Sc	heduled Tasks							
Refresh © Start download © Retry © Deele © Stop deployments Username: Passwort: © Login Ok Schware Venion Download attus Schware Venion Download attus Schware Venion Download attus <td< th=""><th>Available software</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>	Available software								
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26.0.127 26.0.127 10.11 15.022.20070 Not ready 11.0.18 12.2.5199 12.2.5199 10.0 Not ready 21.5009.46 Not ready 50.0.271.86 Not ready 50.0.271.86 Not ready 50.0.371.86 Not ready 50.0.3 Not ready 7.3.3 Not ready 7.3.3 Not ready 7.3.3 Not ready 7.3.1 Not ready 7.3.1 Not ready 7.3.1 Not ready 7.3.1 Not ready 7.3.1 Not ready 7.3.2 Not ready 7.3.2 Not ready 7.3.3 Not ready 7.3.1 Not ready 7.3.1 Not ready 7.3.1 Not ready 7.3.2 Not ready 7.3.2 Not ready 7.3.2 Not ready 7.3.1 Not ready 7.3.1 Not ready 7.3.2 Not ready 7.3.2 Not ready 7.3.1 Not ready 7.3.2 Not ready 7.3.2	Software	Version	Download status						
26.0.151 Not ready 15.023.2007 Not ready 12.25.193 Not ready 12.25.93 Not ready 10.0 Not ready 23.4 Not ready 59.0307186 Not ready 55.03 Not ready 55.03 Not ready 7.3.2 Not ready 7.3.2 Not ready 7.3.104 Not ready 7.3.104 Not ready 2.2.6 Not ready 2.2.6 Not ready 2.2.6 Not ready	1000-1010-00	26.0.0.127	Not ready						
15.023.20070 Not ready 12.23 199 Not ready 12.23 199 Not ready 10.5002 Not ready 50.03071.86 Not ready 55.031 Not ready 55.033 Not ready 7.32 Not ready 7.33 Not ready 2.26 Not ready	table for they block their	26.0.0.151	Not ready						
110.18 Not ready 122.5199 Not ready 10.002 Not ready 10.5002 Not ready 50.307.186 Not ready 550.3 Not ready 7.3.3 Not ready 7.3.3 Not ready 7.3.3 Not ready 7.3.3 Not ready 7.3.4 Not ready 7.3.5 Not ready 7.3.4 Not ready 7.3.5 Not ready 7.3.4 Not ready 7.3.5 Not ready 7.3.6 Not ready 7.3.104 Not ready 2.2.6 Not ready 2.2.6 Not ready	International Contractor	15.023.20070	Not ready						
12.2 3 139 Not ready 21.5003 46 Not ready 10.0 Not ready 10.5002 Not ready 59.33071.86 Not ready 51.50501.0 Not ready 7.3.2 Not ready 7.3.3 Not ready 7.3.104 Not ready 22.6 Not ready	The August States and States	11.0.18	Not ready						
2.1.500/3.4% Not ready 10.00 Not ready 2.2.4 Not ready 590.3071.86 Not ready 5.1.50901.0 Not ready 7.3.2 Not ready 7.3.3 Not ready 7.3.1.104 Not ready 2.2.6 Not ready 2.2.6 Not ready 2.2.6 Not ready	State Contract Card State	12.2.9.199	Not ready						
1.0.0 Not ready 2.34 Not ready 59.0.3071.86 Not ready 55.0.3 Not ready 7.3.2 Not ready 7.3.3 Not ready 7.3.104 Not ready 2.2.6 Not read	Contraction of the second seco	2.1.5009.46	Not ready						
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51.50901.0 Not ready 55.0.3 Not ready 73.2 Not ready 73.3 Not ready 73.1104 Not ready 22.6 Not ready	The state of the second st	59.0.3071.86	Not ready						
55.0.3 Not ready 45.9.0 Not ready 7.3.2 Not ready 7.3.3 Not ready 7.3.1.104 Not ready 2.2.6 Not ready	Through Durings Statistics of	5.1.50901.0	Not ready						
45.0 Not ready 7.3.2 Not ready 7.3.3 Not ready 7.31.104 Not ready 2.2.6 Not ready	Terminative states	55.0.3	Not ready						
7.3.2 Not ready 7.3.3 Not ready 7.3.1.104 Not ready 2.2.6 Not ready	Paula forder 201 Stratt	45.9.0	Not ready						
7.33 Not ready 7.31.104 Not ready 2.2.6 Not ready	Second State State State State	7.3.2	Not ready						
7.31.104 Not ready 2.2.6 Not ready	Subardin Tage Subardin (Studie	7.3.3	Not ready						
22.6 Not ready	The second se	7.31.104	Not ready						
Apply Close	These divined the second sector with	2.2.6	Not ready						
Apply Close									
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Apply Close									
Apply Close									
Apply Close									
Apply Close									
Apply Close	<u>17</u>								
								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.

File Dow	nload	x
Do уо	u want to open or save this file?	
	Name: CSM.zip Type: Compressed (zipped) Folder, 6,78MB From: portal.centero.fi	
🔽 Alwa	Open Save Cancel]
2	While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not open or save this file. <u>What's the risk?</u>	/

2. Extract the package and open the folder.

🔡 CSM	Open	13.4.2017 12:57	Compressed (zippe
	Open in new window		
	Extract All Open with Restore previous versions		
	Send to		
	Cut		

3. Run install.cmd as administrator.

Name ^		Date modified	
길 0. Manual prerequisuite updates		13.4.2017 12:58	
퉬 1. Centero Agent 3.0.5001.46 (64-bit)		13.4.2017 12:58	
腸 2. Centero Software Manager 1.0.5067 (64-bit)		13.4.2017 12:58	
🔍 install.cmd		26 1 2017 0-34	
🚳 uninstall.cmd	Edit Print Run as ad	ministrator	
	Restore p	revious versions	

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

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

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.

Centero Software Manager				
Centero Software Manager				CENTERO
Software SCCM Integration Settings Email Templates S	cheduled Tasks			
🖸 🖓 Refresh 🦻 Start download 🕾 Retry 🗶 Delete [🔀 Stop deployments	Username:	Password: •••••••••• 🕤 Login Ok	
Software	Version	Download status		
1000 NT 01 - 01	26.0.0.127	Not ready		
Table Tod Place School Strate	26.0.0.151	Not ready		
Transmission C. Ch. (B)	15.023.20070	Not ready		
The second	12.2.0.100	Not ready Not ready		
Common Contraction Contraction	2 1 5009 46	Not ready		
Include Changer Textual with	1.0.0	Not ready		
Darter Amprox Dia N	1.0.5002	Not ready		
Table 2 Add No. And Named Sold Parks	2.34	Not ready		
heat Oran (Fall)	59.0.3071.86	Not ready		
House burge burge at	5.1.50901.0	Not ready		
The state of the s	55.0.3	Not ready Not ready		
And a second sec	732	Not ready		
National - Trans National - (Nation	7.3.3	Not ready		
The state of the state	7.31.104	Not ready		
The drift has pay that	2.2.6	Not ready		
<u> </u>				
				Apply Close
				Close
				.::

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

General settings

<u>Service status - SCCM integration</u> 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.

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

<u>Service User</u> 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.

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

Centero Software Manager				<u>_ 0 ×</u>
Centero Software Manager				CENTERO
Software SCCM Integration Settings Email Terr	plates Scheduled Tasks			
🗄 🎦 New deployment process 🗙 Delete	General settings Default softwar	re settings Default deployment settings		
E- SCCM Settings I All	Service status SCCM integration	C Enabled	O Disabled	
	Logging			
	Debug logging	C Enabled	Oisabled	
	SCCM information			
	Reload SCCM information	Reload		
	Service user			
	Service user	centerock\administrator	Change	
	Server			
	Servemame:	Local C Remote:		
				Apply Close
				·

Default software settings

General settings

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

<u>SCCM root folder for packages</u> 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

<u>Application Description</u> 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.

<u>Application category</u> can be used if you want to use it in application catalog.

<u>Slow network mode</u> 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.

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

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

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

<u>Superseed version exclude</u> 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 Filesystem root folder for packages \\CM2012SP1\F\$\csm	
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] ([INSTALLE	RTYP
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

<u>Collection name</u> is an imported list of your collections defined in SCCM.

<u>Collection type</u> can be used to choose whether collection type is device or user.

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

<u>User notification</u> 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 softaware 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.

<u>Make deployment available</u> 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 softwa	re settings Default deployment settings	
Collections		
🛅 New 🗙 Delete 🛛 🙆 Mo	ve up 🖸 Move down Simulated publis	h time: 13.09.2017 10:24 💌
Collection	Available (simulat	ed) 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	C Immediately • after 0 📩 working days on tuesday	▼ at UTC time ▼ 16:00
And force installation	C Immediately 🖸 after 📙 📩 working days on any working day	at UTC time 💌 16:00
Email notifications		
Template name	Email Template - All deployments table	•
Email address	deployments@centero.fi	

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

If this application is an up will apply to future deploy application. Note: Modify permission t	grade or replacement for an existing ap ments and Application Catalog requests o both applications is required to chang	plication in the Software Library, specif . Use the References tab to display ar e the supersedence relationship.	y a superse ny applicatio	dence relationshi ns that supersed	p that e this
Inis application supersed	Old Deployment Type	Replacement Deployment Type	Active	Uninstall	*
Adobe Flash Player A	Adobe Flash Player ActiveX 18.0.(Adobe Flash Player ActiveX 23.0.(Yes		
Adobe Flash Player A	Adobe Flash Player ActiveX 18.0.(Adobe Flash Player ActiveX 23.0.(Yes		
Adobe Flash Player A	Adobe Flash Player ActiveX 18.0.(Adobe Flash Player ActiveX 23.0.(Yes		
Adobe Flash Player A	Adobe Flash Player ActiveX 18.0.(Adobe Flash Player ActiveX 23.0.(Yes		
Adobe Flash Player A	Adobe Flash Player ActiveX 19.0.(Adobe Flash Player ActiveX 23.0.(Yes		
		A <u>d</u> d	<u>E</u> dt	<u>R</u> emo	ove
Allow users to see dep user installing multiple	oloyments for this application and all ap applications on the same device, if req	plications that it supersedes in Applicat uirements for these applications are me	ion Catalog t	. This may result i	n the

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

Sp	ecify Superse	dence Relationship	X	
Specify the deployment types to be replaced by this application.				
Quirrent Application:	Adobe Flash Playe	er ActiveX 23.0.0.185 EN x86 Msi		
Superseded Application:	Adobe Flash Play	er ActiveX 23.0.0.162 EN x86 Msi	Browse	
Specify the new deployment type to replac will upgrade the installed, superseded dep deployment type will be uninstalled and the Old Deployment Type	te the deployment to loyment type unless e new deployment to Technology	ypes of the superseded application. The new s you select the Uninstall checkbox. In that c ype will be newly installed.	deployment type ase, The previous	
Adobe Flash Player ActiveX 23 0 0 16	MSI	Adobe Flash Player ActiveX 23 0 0 11		
		OK	Creat	
		OK	Cancer	

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 Centero 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.

Centero Software Manager				
Software SCCM Integration Settings Email Templates S	cheduled Tasks			
Available software				
🕴 🖸 Refresh 🖗 Start download 🖓 Retry 🗶 Delete	Stop deployments	Username: csm@	centero.fi Passw	vord: 💽 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		
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		
Google Chrome EN x86	59.0.3071.86	Completed		
	C 4 C0004 0			

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.

Automatic Approvals	X	er s	Edit Rule
Update Rules Advanced			Select which undates to approve and the groups for which to approve them.
You can specify rules for automatically approving new updates		γpe	Step 1: Select properties
New Rule Edit X Delete Run Rule	-	ow	When an update is in a specific dassification When an update is in a specific product Set a deadline for the approval
🔲 Default Automatic Approval Rule		aut	
Rule properties (dick an underlined value to edit) When an update is in Critical Updates, Security Updates		s fc	Step 2: Edit the properties (dick an underlined value) When an update is in <u>Critical Updates</u> Approve the update for <u>all computers</u>
Approve the update for <u>all computers</u>		ipc	
		ind	Step 3: Specify a name
OK Cancel Apply			OK Cancel

4. The Updates classification should be disabled.

Choose Update Classification	s	×
Select the classifications y	you want to include:	
All Classifications Critical Updates Definition Updates Feature Packs Security Updates Service Packs Update Rollups Updates Updates Upgrades		
	OK	Cancel

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.

	1
Programs (1)	
🐻 Windows Server Update Services	
See more results	
windows server update services Log off	
Notart 🖓 🖾 🔚 🛄 У	

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.

File Dowr	nload	×
Do уо ц	u want to open or save this file?	
	Name: CSM.zip Type: Compressed (zipped) Folder, 6,78MB From: portal.centero.fi	
🔽 Alwa	Open Save Cancel]
2	While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not open or save this file. What's the risk?	, ,

2. Extract the package and open the folder.

CSM	Open	13.4.2017 12:57	Compressed (zippe
	Open in new window		
	Extract All Open with Restore previous versions		
	Send to		
	Cut		

3. Run install.cmd as administrator.



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



5. CSM for WSUS can be now lancuhed 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.

Centero Software	Manager Configuration Wizard	×
	Centero Software Manager Login Enter credentials.	
Usemame: Password:	Login Login successful	
Please enter credentials a your credent is csm.suppo	your Centero Software Manager credentials in the input fields above. The re delivered to you by Centero. If you don't have an account, you don't know ials or login fails for any other reason, please contact us. Our support address int@centero.fi.	

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

Centero Software	Manager Configuration Wizard	×
	Software Download Location Set download location for software installation packages.	
Folder:	C:\Software downloads Browse	
An organized in the specifi	d folder structure for installation packages and documentation will be created c location. At least 50 GB of free space is recommended for the selected disk. < Back Next > Cancel	

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

Centero Sof	tware Manager Configuration Wizard	×
	Integration Type Select integration type.	
0	System Center Configuration Manager (SCCM)	
•	Windows Server Update Services (WSUS)	
If you	only wish to download third-party sotware packages without any integration to your	
pleas	nt system, please select only package download. For the integration scenarios, e choose an option corresponding to your current update delivery system.	

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 deplyoment method and confirming a valid WSUS server please proceed by clicking next.

Centero Software Manager Configuration Wizard	
WSUS Server Set WSUS server settings.	
☑ Local server	WSUS found
Remote server	
Host:	Apply
Port:	
Please choose whether you use a local server or a remote sen option is selected, the wizard will check if WSUS exists in the	ver for CSM. When the specific server.
< Back	Next > .ftp Cancel

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 immeditely, after a week and after two weeks. Proceed by clicking next.

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

tero Software Manage	r Configuration Wizard		
wsus	Deployment process		
Select ho	w many steps you want in defaul	t deployment process.	
O One step 💿 T	O One step O Two steps O Three steps		
Step	Computer group	Deployment	
First deployment	1st level testing	Immediately	
Second deployment	Production	After a week	
Third deployment		-	
Two step model is for m Software will be installe period on the second g	edium size environments. It mear d immediately on the first group, a roup.	as that you select two groups. and after a one week long test	
<u></u>			
	< Back	Next > Cancel	

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**.



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.

9	Centero Software Manager				
-	CENTERO Centero Software	Manager			
		-			
•	Software WSUS Integration Settings Email Templates S	Scheduled Tasks			
	Available software			_	
	🖸 Refresh 🖗 Start download 🛛 🖓 Retry 💥 Delete	Stop deployments	Username: csm@centero.fi	Password:	Ŧ
	Software	Version	Download status		
	Adobe AIR EN x86	25.0.0.134	Not ready		
	Adobe Flash Player ActiveX EN x86	25.0.0.171	Not ready		
	Adobe Reader DC EN x86	15.023.20070	Not ready		
	Adobe Reader XI EN x86	11.0.18	Not ready		
	Adobe Shockwave Player EN x86	12.2.8.198	Not ready		
	Centero Carillon EN x86	2.1.5009.46	Not ready		
	Centero Cleanup Tool EN x86	1.0.0	Not ready		
	Centero Inspector EN x86	1.0.5002	Not ready		
	Dominik Reichl KeePass Password Safe EN x86	2.34	Not ready		
	Microsoft Silverlight (exe) EN x64	5.1.50901.0	Not ready		
	Mozilla Firefox EN x86	53.0.3	Not ready		
	Mozilla Firefox ESR EN x86	45.9.0	Not ready		
	Notepad++ Team Notepad++ EN x86	7.3.2	Not ready		
	Skype Skype EN x86	7.31.104	Not ready		
	VideoLAN VLC Media player EN x86	2.2.6	Not ready		
-				L []	
				Apply	Close

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

3 Centero Software Manager	
CENTERO Centero Software Manager	
Software WSUS Integration Settings Email Templates Scheduled Tasks	
Service status	
VVSUS Integration C Enabled © Disabled	Refresh groups
Server settings Server settings Image: Local server Server status	All Computers Unassigned Computers (15) St level testing (15) Adobe Reader (15) St dobe Reader (15)
Remote server	Production
Name localhost	
Port 80	
Use SSL	Computer group settings
Anniv	Computer group
· ++*	Check / uncheck all
Server certificate Status Valid, expires: 22.11.2020 19:13:42 Actions Export Generate Import certificate Settings Use local cache	Adobe AIR EN x86 Adobe Rash Player ActiveX EN x86 Adobe Reader DC EN x86 Adobe Reader XI EN x86 Adobe Shockwave Player EN x86 Centero Carillon EN x86
Log level Errors only	Wait time (days)
Send logs to Centero	Deadline after wait time (days) 7
	Optional install
	Appiy Close

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

Service status			
WSUS integration	C Enabled	Disabled	
	Chabled	Diddbiod	
L			

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

Server	ettings		
🔽 Loca	al server		
Server s	tatus	Ok	
Remot	e server		
Name	localhost		
Port	80		7
	🗖 Use SSL		
		Apply	

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.

Server certificate			
Status	Valid, expires: 22.11.2	2020 19:13:42	
Actions	Export	Generate	Import certificate

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.

Γ		
ľ	Installation approvals	11
	Refresh groups	
l	🖃 💭 💭 All Computers	
l		
l	📑 1st level testing (15)	
l	🚽 Adobe Reader (15)	
l	Production (15)	
I		

Computer group settings	
Computer group	1st level testing
	Check / uncheck all
	Microsoft Silverlight (exe) EN x64
	 ✓ Mozilla Firefox ESR EN x86 ✓ Notepad++ Team Notepad++ EN x86 ✓ Skype Skype EN x86
	VideoLAN VLC Media player EN x86
Wait time (days)	0
Deadline after wait time (days)	1
	C 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.

🖲 Centero Software Manager					
Centero Software Manager					
Software WSUS Integration Settings Email Templates Scheduled Tasks					
Service status					
WSUS integration C Enabled					
Server settings					
Cocal server					
Server status Ok					
Remote server					
Name localhost					
Port 80					
Use SSL					
Apply					
Server certificate					
Status Valid, expires: 22.11.2020 19:13:42					
Actions Export Generate Import certificate					
Settings					
Log level Errors only					
Send logs to Centero					

Server settings							
Local server							
Server status	Ok						
Remote server							
Name localhost							
Port 80	*						
🗖 Use SSL							
	Apply						
Conver contificanto							
Status Absent							
Actions Export	Generate Import certificate						
Settings							
Log level Errors only							
Send logs to Ce	ntero						

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.

Rep	place e	xisting?	×	
	▲	Replacing existing certificate require all packages to be re-signed with new certificate and certificate must be installed as trusted on all clients. Do you want to continue?		
		Yes No		

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.



Export certificate					×
GOV 🚺 * Administrator * Downloads *					2
Organize 🔻 New folder				-	0
★ Favorites	Name ^	Date modified	Туре		Size
Desktop	USM dm	29.9.2017 13:57	File folder		
🔄 Recent Places					
Libraries					
J Music					
Videos					
I Computer					
Local Disk (C:)	•				Þ
File name: certifi	cate				•
Save as type: X.509	Certificates				-
				Cancel	-
Hide Folders			ve	Cancer	
	Y				
Certificate saved succesfu	ully.				

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

ОК

🛃 Group Policy Management		. 🗆 🗙
🛃 File Action View Window	Help	. 8 ×
🗢 🔿 🙍 🖬 🖬 🙆		
Group Policy Management Group Policy Management Group Policy Management Group Policy Resul Group Policy Resul Group Policy Resul Figure Group Policy R	centerock.local Linked Group Policy Objects Group Policy Inheritance Delegation ite a GPO in this domain, and Link it here GPO Enforced Link Enabled C an Existing GPO Inheritance Image Default Domain Policy No Yes Yes an Existing GPO Image Default Domain Policy No Yes Yes p Policy Modeling Wizard Organizational Unit Ch Gh No Yes ove ve Directory Users and Computers Window from Here Yes Yes Yes erties Image Domain Controller Yes Yes Yes Yes Image Domain Controller Yes Yes Yes Yes Yes Window from Here Yes Yes Yes Yes Yes Image Domain Controller Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes <t< td=""><td>GPO S Enable</td></t<>	GPO S Enable
Create a GPO in this domain and link it to	o this container	

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.

Welcome to the Certificate Import Wizard This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store. A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where	
connections. A certificate store is the system area where	
certificates are kept. To continue, dick Next.	
	To continue, click Next. < Back Next > Cancel

8. Browser for the certificate, open it and click Next.

	File name:		Browse				
	🗐 Open					×	
	C → V → Administrator → Downloads →			Search Downloads			
	Organize 🔻 New folde	r			:= 👻 🗍	0	
	☆ Favorites	Name ^	D	ate modified	Туре	Size	
	🧫 Desktop	CSM	2	9.9.2017 13:57	File folder		
	Downloads	👼 certificate	2	9.9.2017 14:21	Security Certificate		
Lear	Recent Places						
	🥞 Libraries						
	Documents						
	J Music						
	<u></u>						
	Normal Computer						
	🕌 Local Disk (C:)						
stad Da	GSM (E:)						
steu Ko	Shared Folders (\\\	-				Þ	
	Fi	le name: certificate		▼ Certific	ate File (*.cer;*.crt)	-	
		1					
				Op	Cancel		

9. Click Next.
| ertificate I | mport Wizard | | | | |
|--------------|---|--|--|--|--|
| Certificat | e Store | | | | |
| Certif | Certificate stores are system areas where certificates are kept. | | | | |
| Windo | ows can automatically select a certificate store, or you can specify a location for | | | | |
| the ce | ertificate. | | | | |
| C | Automatically select the certificate store based on the type of certificate | | | | |
| ۲ | Place all certificates in the following store | | | | |
| | Certificate store: | | | | |
| | Trusted Root Certification Authorities Browse | | | | |
| | · | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Learn more | e about certificate stores | | | | |
| 200111101 | | | | | |
| | | | | | |
| | | | | | |
| | < Back Next > Cancel | | | | |
| | | | | | |

10. Click Finish.

Certificate Import Wizard		×		
	Completing the Certificate Import Wizard			
	The certificate will be imported after you click Finish.			
	You have specified the following se	ttings:		
	Certificate Store Selected by User Content	Trusted Root Certifica Certificate		
	File Name	C: \Users \Administrato		
	4			
	< Back	Finish Cancel		

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

Issued To 🔺	Issued By	Expiration Date	Intend
🖏 WSUS Publishers Self-signed	WSUS Publishers Self-signed	22.11.2020	Code S
4	5		

12. As soon as the GPO is is refreshed on the computers WSUS 3rd party deplyoments 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
Centero Carillon EN x86	2.1.5011.46	Completed	Import successful	1st level testing
Centero 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.



ŝ	Update history
Unins	tall updates
Recov	very options
Upd: > (> 1 > (ate history Quality Updates (27) Driver Updates (5) Other Updates (50)
$\mathcal{T}_{\mathcal{F}}$	

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.



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. Centero 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 Setti	ngs	x
Hostname: Product key:	CENL25-VM01-DOM Registered to: Not active ed0cd22f-34ac-495d-9857-3187c5e58ec9	software manager
		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.

Do you want to run or save CSM_Cloud_Client.exe (1,48 MB) fr	rom portal.c	entero.fi?		×
	Run	Save	•	Cancel

2. Approve the UAC warning.



3. Choose Yes.

Install CSM Cloud Client	\times
Do you want to install CSM Cloud Client?	
Yes No	

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

<u>C:4</u>	C:\Windows\sy	/stem32\cmd.exe	
o	12.10.2017	11.45.33,60	Administrative user rights detected.
o	12.10.2017	11.45.33,60	installing Centero Software Manager
o	12.10.2017	11.45.42,61	install completed. You can close this window.

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.

ings	×
n	
WIN-VH6AJ6KRVJ0 Registered to: Not active	software
eductions destructions	manager
	Apply Close
	tings on WIN-VH6AJ6KRVJ0 Registered to: Not active

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.

Centero Software Manager							
CENCERO Centero Software Manager							
Complementary for the second							
Software WSUS Integration Settings Email Templates	Scheduled Tasks						
Available software		Ultransis and and and					
C Refresh 🖓 Start download	Stop deployments	Username: csm@centero.fi	Password:	Ŧ			
Software	Version	Download status					
Adobe AIR EN x86	25.0.0.134	Not ready					
Adobe Flash Player ActiveX EN x86	25.0.0.171	Not ready					
Adobe Reader DC EN x86	15.023.20070	Not ready					
Adobe Reader XI EN x86	11.0.18	Not ready					
Adobe Shockwave Player EN x86	12.2.8.198	Not ready					
Centero Carillon EN x86	2.1.5009.46	Not ready					
Centero Cleanup Tool EN x86	1.0.0	Not ready					
Centero Inspector EN x86	1.0.5002	Not ready					
Dominik Reichi KeePass Password Sare EN x86	2.34	Not ready					
Microsoft Silverlight (exe) EN x64	5.1.50901.0	Not ready					
Mozilia Firefox EN x86	03.0.3	Not ready					
Notanady, Taan Natarady, EN. 90	40.5.0	Not ready					
Since Since ENuite	7.3.2	Not ready					
Video I ANI VII C. Modia player EN v9C	7.31.104	Not ready					
VideoLAN VLC Media player EN X86	2.2.0	Not ready					
			Apply	Close			
			7 YPPY	CIUSC			
				.::			

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

3 Centero Software Manager	
CENTERO Centero Software Manager	
93	
Software WSUS Integration Settings Email Templates Scheduled Tasks	
Service status	
WSUS integration C Enabled Disabled	
Server settings Vectors Server status Ok	
Remote server	
Name localhost	
Port 80	
Use SSL Computer group settings	
Apply Computer group	
Check / uncheck all	
Server certificate Status Valid, expires: 22.11.2020 19:13:42 Actions Export Generate Import certificate Settings Adobe AlR EN x86 Adobe Reader DC EN x86 Adobe Shockwave Player EN x86 Centero Carillon EN x86	*
Log level Errors only Wait time (days)	
Send logs to Centero	
Optional install	<u> </u>
Apply	Close

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

- Service status			
Service status			
WSUS integration	C. Easthad	G Disabled	
	Chabled	 Disabled 	
L			

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

Server settings				
lserver				
atus	Ok			
e server				
localhost				
80		7		
🗖 Use SSL				
	Apply			
	ettings I server atus e server localhost 80 Use SSL	ettings I server atus Ok e server localhost 80 Use SSL Apply		

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.

Server certificate							
Status							
Actions	Import certificate						

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.

Γ		
ľ	Installation approvals	11
	Refresh groups	
l	🖃 💭 💭 All Computers	
l		
l	📑 1st level testing (15)	
l	🚽 Adobe Reader (15)	
l	Production (15)	
I		

Computer group settings				
Computer group	1st level testing			
	Check / uncheck all			
	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)	0			
Deadline after wait time (days)	<u>1</u>			
	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(at)centero.fi.

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

Centero Software Manager	
Centero Software Manager	CENTERO
Software WSUS Integration Settings Email Templates Scheduled Tasks	
Service status	Installation approvals
WSUS integration Enabled Disabled	i @ Refresh groups
Server settings Local server Server status Ok Remote server Name Tocalhost Port 80	Image: Second computers Image: Second computers
Apply	
Status Valid, expires: 22.11.2020 19:13:42	Computer group settings
Actions Export Generate Import certificate	Computer group
Settings Log level Errors only	Check / uncheck all Adobe AIR EN x86 Adobe Flash Player ActiveX EN x86 Adobe Reader DC EN x86 Adobe Reader XI EN x86 Adobe Reader XI EN x86 Centero Carillon EN x86
	Wait time (days)

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

Installation approvals							
Refresh groups							
Al Computers Unassigned Computers Adobe Reader Production (14)							
Computer group settings							
Computer group	1st level testing						
	Check / uncheck all						
	 ✓ Google Chrome EN x86 ✓ Microsoft Silverlight (exe) EN x64 ○ Mozilla Firefox EN x86 						
	 ✓ Mozilla Firerox ESR EN x86 ✓ Notepad++ Team Notepad++ EN x86 ✓ Notepad++ Team Notepad++ EN x64 						
Wait time (days)	0						
Deadline after wait time (days)	1						
	Optional install						

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

Apply	Apply changes to WSUS server						
Selec You c	Select changes that you want to perform to current CSM deployments. Unchecked rows will be skipped, You can also change the calculated deadline value for each new deployment before applying changes.						
		Action	Application	Group	Deadline	Status	
▶		Remove	Mozilla Firefox EN x86	1st level testing		ОК	
		Remove	Mozilla Firefox ESR EN x86	1st level testing		ОК	
						Cancel	

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.

Available software					
🔅 🖸 Refresh 🖗 Start download 🖓 Retry 🗶 Delete [🛚 Refresh 🛭 Start download 🛛 🖓 Retry 🗶 Delete 🔜 Stop deployments		Username: csm@centero.fi Password: ••••••••••••••••••••••••••••••••••••		
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**.

_						
2	Centero Software Manager					
	Centero Software Manager					(0)
1	Software WSUS Integration Settings Email Templates	Scheduled Tasks				
Г	Available software					
	🛛 🧟 Refresh 📚 Start download 🛛 🖗 Refry 🗙 Delete	Stop deployments	Username: csm@	Pcentero.fi Passw	ord: 💽 Login Ok	
	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**.

Download	media again?	×
?	Download package again from portal? If you select YES, package will be removed from local directories and downloaded again. If you select NO then import will be retried with current media.	
	Yes No	

4. Wait a while for the queue to comlete.

L			· · · · ·		
	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.

Centero Software Manager								
Centero Software Manager								
Software SCCM Integration Settings Email Temp	olates Scheduled Tasks							
🗄 🎦 New deployment process 🔀 Delete	General settings Default software settings Default dep	loyment settings						
SCCM Settings Adobe software Software with slow update process Browsers	General settings Filesystem root folder for packages SCCM root folder for packages Send logs to Centero	\\CM2012SP1\F\$ Software Manager True						
A deployment process	Email notification (all deployments as table) Template name Mail address							
	Application catalog							

Creating a new deployment process (example)

1. Click on New deployment process and name it.

Enter name	
Give a name to the new	deployment process.
VLC fast ring (example)	
Ok	Cancel

2. Select the software you want on this process.

Software selection Software settings Deployment settings						
Check / uncheck all						
Adobe Shockwave Player EN x86	_					
Centero Carillon EN x86						
Centero Cleanup Tool EN x86						
Centero Inspector EN x86						
Dominik Reichl KeePass Password Safe EN x86	Dominik Reichl KeePass Password Safe EN x86					
Google Chrome EN x86						
☐ Microsoft Silverlight (exe) EN x64						
Mozilla Firefox EN x86						
Mozilla Firefox ESR EN x86						
Notepad++ Team Notepad++ EN x86						
□ Notepad++ Team Notepad++ EN x64						
Skype Skype EN x86						
✓ VideoLAN VLC Media player EN x86	_					

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.

General settings Filesystem root folder for packages SCCM root folder for packages Software Manager Send logs to Centero True Email notification (all deployments as table) Template name Mail address
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) Image: Complete name Mail address Mail address
SCCM root folder for packages Software Manager Send logs to Centero True Email notification (all deployments as table) Image: Template name Mail address Image: Template name
Send logs to Centero True Email notification (all deployments as table) Template name Mail address
Email notification (all deployments as table) Template name Mail address
Template name Mail address
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
Superseeding All previous versions
Superseed version exclude
Add operating system requirements Default
Clean previous versions Remove deployments, supersedences and retire when latest required

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 se	tings Deployment settings		
Collections	ve up 🖸 Move down	Simulated publish time:	13.09.2017 10:24
Collection		Available (simulated)	Bequired (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	C Immediately 🕤 after 🛛 🛨 work	king days on friday 💌 at	any time
And force installation	Immediately O after work	king days on 📃 at	
Email notifications			
Template name	EmailTemplate - 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 depyloment processes are created you can turn on the SCCM integration.

Centero Software Manager		(e)
Software SCCM Integration Settings Email Tem	plates Scheduled Tasks	
New deployment process 🗙 Delete	General settings Default software settings Default deployment settings	
SCCM Settings Adobe software Software with slow update process	SCCM integration © Enabled	O Disabled
Browsers VLC fast ring (example)	Logging C Enabled	• Disabled
	SCCM information Reload SCCM information Reload	
	Service user centerock\administrator	Change
	Server Servemame: C Local C Remote:	

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 sucessful means that the software is now succesfully imported to SCCM.

Available software				
🔅 🧟 Refresh 🖗 Start download 🛛 🖓 Retry 🗶 Delete	Stop deployments	Username: csm@	ecentero.fi Passw	vord: 💽 Login Ok
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.

Available software					
🖸 🖸 Refresh 🛯 Start download 🛛 🖓 Retry 💢 Delete 🔜 Stop deployments 🗍 U		Username: csm@	Pcentero.fi Passv	vord: 💽 👀 Vord: 🕤 Login Ok	
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\Softwa 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.

Update schedule and settings Windows Update Settings CSM Settings Update Schedule Computer update group on CSM Cloud Computer group: Production Test					
Windows Update Settings CSM Settings Update Schedule Computer update group on CSM Cloud Production Production Test 	Update schedule and setting	ngs			
Computer update group on CSM Cloud Computer group: Production Test	Windows Update Settings	CSM Settings	Update Schedule		
Computer group: Production Production Test	Computer update group of	n CSM Cloud			
Computer group: Production Production Test					
Production Test	Computer group:		Production		•
Test			Production		
			Test		

The following settings can be modified per server.

- Windows update client mode:
 - 2 = Notify before download
 - 3 = Automatically download and nofity of installation
 - 4 = Automatically download and schedule installation. (Only valid if values exist for SecheduleInstallDay 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 disapprive 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		x
Product activation		
Hostname: WIN-VH6AJ6KRVJ0	Registered to: Centero Oy	👝 software
Product key:	(OK)	manager
Update schedule and settings		
Windows Update Settings CSM Settings U	Jpdate Schedule	
Windows update settings		
Windows update server	https://wsus.csm.fi	
Windows update status server	https://wsus.csm.fi	
Accept trusted publisher certs	1	A V
Windows update client mode	3	• •
No auto reboot with logged on users	1	•
Elevate non admins	1	•
Auto install minor updates	0	•
Disable windows update access	0	•
Reboot relaunch timeout	60	• •
Detection frequency	8	÷
Reboot warning timeout	30	•
		Apply Close

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

CSM Cloud Settings
Product activation
Hostname: WIN-VH6AJ6KRVJ0 Registered to: Centero Oy Product key: GOK)
Update schedule and settings
Windows Update Settings CSM Settings Update Schedule
Information about installation start schedule Next installation start times
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. 18.10.2017 0.00.00 Create schedule filters and check 'Next installation start times' view. 23.10.2017 0.00.00 Create schedule filters and check 'Next installation start times' view. 23.10.2017 0.00.00 25.10.2017 0.00.00 25.10.2017 0.00.00 25.10.2017 0.00.00 25.10.2017 0.00.00 25.10.2017 0.00.00 25.10.2017 0.00.00
30.10.2017 0.00.00
Months
○ All O Select □ 1 □ 2 □ 3 □ 4 □ 5 □ 6 □ 7 □ 8 □ 9 □ 10 □ 11 □ 12
Monthdays
V 13 V 14 V 15 V 16 V 17 V 18 V 19 V 20 V 21 V 22 V 23 V 24
▼ 25 ▼ 26 ▼ 27 ▼ 28 ▼ 29 ▼ 30 ▼ 31
Weekdays
Mon Tue Wed Thu Fri Sat Sun CAII ⓒ Select ▼ 1 □ 2 ▼ 3 □ 4 □ 5 □ 6 □ 7
Hours
CAII
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!

	Error	X
8	Could not read SCCM collections from C:\ProgramData\Centero\Software Manager\SCCM\SCCM Information.xml! Retry?	
	Yes No	

Solution:

1. Delete the following file:

 $\label{eq:constraint} C:\ProgramData\Centero\Agent\Modules\4.6\CMM\ThreshDir\schedule.CollectSCCMInformation.xml$

- 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 thought 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 pe pe pe pe So	13.10. 13.10. 13.10. 13.10. 13.10. 13.10. 13.10. ftware	2017 2017 2017 2017 2017 2017 2017 Mana	14:29:24,08 14:29:24,08 14:29:24,28 14:29:24,28 14:29:24,93 14:29:24,93 14:29:36,04 oger" from st	Administrative user rights detected. Checking older versions Installing Centero Agent Centero Agent installion done (0). Installing Centero Software Manager Software Manager installation done (0). Star cart menu.			

CSM for WSUS - How to upgrade CSM

Last Modified on 16/10/2017 3:09 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 pe pe pe pe So	13.10.2017 13.10.2017 13.10.2017 13.10.2017 13.10.2017 13.10.2017 13.10.2017 13.10.2017	14:29:24,08 14:29:24,08 14:29:24,28 14:29:24,93 14:29:24,93 14:29:24,93 14:29:36,04 ager" from st	Administrative user rights detected. Checking older versions Installing Centero Agent Centero Agent installion done (0). Installing Centero Software Manager Software Manager installation done (0). Start tart 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.

Service status	C Enabled	Disabled

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.

Server certificate								
Status	Valid, expires: 22.11.2020 19:13:42							
Actions	Export	Generate	Import certificate					
Cattingen								

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

- 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

• Category and distribution point group combobox problems

New features

• No new features added

Other improvements

• No other improvements

• 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.

- 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)

• 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

- 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

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

- Reloading <u>SCCM</u> 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 <u>WSUS</u> group caused a great deal of logging to be sent without a reason.

New features

• No new features added in this release

- 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.

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

New features

• No new features added in this release

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

- 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 updata for CSM application added
- WSUS software approvement changes applied immediately to WSUS (to current version not just to future versions)

- 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 n **Oracle Java Runtime Environment** Installer in a version **8.0.1610.12**. When a package is installed using the *SYSTEM* account, (<u>CSM</u> 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.

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.