

1. Installation System Center Configuration Manager aus dem Microsoft Action Pack

Zunächst einmal gehe ich recht unbedarft an diese Evaluation. Dehr viel dürfte sich zu der Version SP1, die wir noch recht problemlos zu installieren war, nicht geändert haben. Etwas problematischer ist die benötigten Komponenten zu finden und alle Voraussetzungen zu installieren. Daher auch diese Dokumentation, um hier etwas Hilfestellung zu leisten. Ververwenden weitestgehend Powershell für die Installation notwendiger Komponenten. Für die Installation haben wir einen englischen Server 2012 und ein englisches SCCM gewählt. Zu den Hardwareanforderungen für eine geplante Umgebungsgröße gibt es hier eine Seite von Microsoft:

http://technet.microsoft.com/en-US/library/hh846235.aspx

1.1 Voraussetzungen für diese Installation:

Da wir uns die Automatisierung auf die Fahnen geschrieben haben, werden die Voraussetzungen hier weitestgehend über die Powershell installiert.

1.1.1 .Net Framework 3.5 SP1

1.1.2 Erst einmal schauen, welche Komponenten e shier gibt. Das geht nach dem Import des Servermanager Modules mit dem Befehl Get-WindowsFeature. Wir setzen zusätzlich einen Filer auf .net Komponenten

PS C:\> Import-Module ServerManager PS C:\> Get-WindowsFeature where {\$like ".net"}		
[] .NET Framework 3.5 Features	NET-Framework-Features	Available
[] .NET Framework 3.5 (includes .NET 2.0 and 3.0)	NET-Framework-Core	Removed

Die Installation der gesamten .NET Komponenten erfolgt nun über folgenden Befehl. Der Windows Server 2012 Datenträger liegt im Laufwerk "D" und wird als Quellpfad mit angegeben. PS C:\> Add-WindowsFeature -Name "NET-Framework-Features" -Source D:\sources\sxs\

Success Restart Needed Exit Code Feature Result True No Success {.NET Framework 3.5 (includes .NET 2.0 and... WARNING: Windows automatic updating is not enabled. To ensure that your newly-installed role or feature is automatically updated, turn on Windows Update.

Bei weiteren benötigten Features

wird genau so weiter verfahren:

- .NET 3.5
- BITS Server Extensions
- Remote Differential Compression
- Web Server (IIS)
- Common HTTP Features



- WebDAV Publishing
- ASP.NET
- Security, Windows Authentication

Powershell:

Add-WindowsFeature -Name "Web Server (IIS)" Add-WindowsFeature -Name "Web-Common-Http" Add-WindowsFeature -Name "BITS" Success Restart Needed Exit Code Feature Result No True Success {Background Intelligent Transfer Service (... Add-WindowsFeature -Name "Web-DAV-Publishing" Success Restart Needed Exit Code Feature Result ----- ------ ------{WebDAV Publishing} True No Success Add-WindowsFeature -Name Web-ASP-Net Add-WindowsFeature -Name Web-ASP-Net45 Display Name Name Install State ____ [] ASP Web-ASP Available [X] ASP.NET 3.5 Web-Asp-Net Installed Web-Asp-Net45 [X] ASP.NET 4.5 Installed [X] ASP.NET 4.5 NET-Framework-45-ASPNET Installed

Add-WindowsFeature -Name Web-Windows-Auth

Success	Restart Needed	Exit Code	Feature Result
	No.	Success	<pre>{Windows Authortication}</pre>
IIUe	NO	Success	(windows Authentication)
₽S C:\>	Add-WindowsFeat	cure -Name RDC	
Success	Restart Needed	Exit Code	Feature Result
True	No	Success	{Remote Differential Compression}

Meldung:

Background Intelligent Transfer Service (BITS) is required for the management point and distribution point site system roles. BITS is not installed, IIS 6 WMI compatibility component for IIS7 is not installed on this computer or the remote IIS host, or Setup was unable to verify remote IIS settings because IIS common components were not installed on the site server computer. Also, check if IIS/BITS services are running properly. Setup cannot continue until BITS is installed and enabled in the IIS settings.

Und die K	ontrolle dazu:			
dwidth. If the n any	AppX Deployment Service (AppXSVC)	Provides inf	Manual	Local Syste
nd on BITS,	ASP.NET State Service	Provides su	Manual	Network S
ate or MSN	😳 Background Intelligent Transfer Service	Transfers fil Running	Automatic (D	Local Syste
to d programs	Packground Tacks Infrastructure Service	Windows in Punning	Automatic	Local System
ia programs	🧠 Base Filtering Engine	The Base Fil Running	Automatic	Local Service
		DITC Comm	N.41	Mat

1.1.3 Regulär zu installieren (im Windows 8.1 ADK enthalten)

- User State Migration Tool
- Windows Deployment Tools



• reinstallation Environment component

Windows ADK Hier herunterladen und alle Komponenten für die Serverinstallation herunterladen. Also ab besten auf einer Workstation starten und die "Windows Kit" Komponenten später auf den Server kopieren.

17	Windows Assessment and Deployment Kit for Windows 8.1 - 🗆 🗙
0	rt angeben
0	Windows Assessment and Deployment Kit for Windows 8.1 auf diesem Computer installieren
	Installationspfad:
	C:\Program Files (x86)\Windows Kits\8.1\ Durchsuchen
0	Windows Assessment and Deployment Kit for Windows 8.1 für die Installation auf einem separaten Computer herunterladen Downloadpfad: C:\Users\Andreas\Downloads\Windows Kits\8.1\ADK Du <u>r</u> chsuchen
	Geschätzter erforderlicher Speicherplatz: 4,0 GB Verfügbarer Speicherplatz: 113,9 GB
	<u>W</u> eiter <u>A</u> bbrechen

Anschließend das Verzeichnis auf den System Center Server kopieren und am besten alle Komponenten installieren.





1.2 Installation SQL Server

SCCM benötigt in dieser Installation eine lokal installierte SQL Server Instanz und einen eigenen Account. Dazu bitte eine Express Edition (Server 2012 SP1 o.ä.) installieren und einen AD Account anlegen. Dieser AD Account wird auf dem SCCM Server in der Gruppe der Lokalen Administratoren gepackt und für die CCM Datenbank berechtigt.

Ich hatte leider Probleme mit Datenbankinstanzen, die nicht der Standardinstanz entsprechen. Daher wurde eine neue Standartinstanz auf dem gleichen Server angelegt.



5	SQL Server 2	2012 Setup		_ □
Server Configuration				
Specify the service accounts and	d collation configuration.			
Setup Support Rules Installation Type	Service Accounts Collation	use a separate account for each	SOL Server servi	ice.
Setup Role Feature Selection	Service	Account Name	Password	Startup Type
Installation Rules	SQL Server Agent	NT Service\SQLSERVERA		Manual 🗸
Instance Configuration	SQL Server Database Engine	NICKIT\SCCM	•••••	Automatic 🗸
Disk Space Requirements	SQL Server Reporting Services	NT Service\ReportServer		Automatic 🗸
Server Configuration	SQL Server Browser	AUTHORITY\LOCAL		Automatic 🗸
Database Engine Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete				
		< Back Next	> Can	cel Help

Wichtig ist dabei die Collation Configuration "SQL_Latin1_CP1_CI_AS

1	SQL Server 2012 Setup			
Server Configuration Specify the service accounts and	d collation configuration.			
Setup Support Rules Installation Type Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Service Accounts Collation Database Engine: SQL_Latin1_General_CP1_CI_AS Latin1-General, case-insensitive, accent-sensitive, kanatype-insensitive, width-insensitive for Unicode Data, SQL Server Sort Order 52 on Code Page 1252 for non-Unicode Data Unicode Data	Customize		
	< Back Next > Cancel	Help		



1	SQL Server 2012 Setup			
Ready to Install Verify the SQL Server 2012 feat	ures to be installed.			
Setup Support Rules Installation Type Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Ready to install SQL Server 2012: Summary Edition: Standard Action: Install (Product Update) Prerequisites Prerequisites Microsoft .NET Framework 4.0 Windows PowerShell 2.0 Microsoft .NET Framework 3.5 Microsoft Visual Studio 2010 Shell General Configuration Features Database Engine Services Reporting Services - Native Management Tools - Complete Instance configuration Instance Name: MSSQLSERVER Instance ID: MSSOL SERVER Instance ID: MSSOL SERVER Instance ID: MSSOL SERVER Instance Name: MSSQL SERVER Instance ID: MSSOL SERVER Instance ID: MSSOL SERVER Instance ID: MSSOL SERVER Instance Name: MSSQL SERVER Instance ID: MSSOL SERVER			
	Kack Install Cancel Help			





3. Einstellungen auf der lokalen Firewall

2	New Inbound	l Rule Wizard
Protocol and Ports		
Specify the protocols and ports to	which this rule applies.	
Steps:		
Rule Type	Does this rule apply to TCP or U	DP?
Protocol and Ports	• TCP	
 Action 	○ UDP	
 Profile 		
Name	Does this rule apply to all local p	orts or specific local ports?
	All local ports	
	Specific local ports:	1444,4022,443,80
		Example: 80, 443, 5000-5010
		< Back Next > Cancel

Evaluation AutonoWare ConversionBox



4.

Evaluation AutonoWare ConversionBox



5.



6. Installation des SCCM Servers





System Center 2012 R2 Configuration Manager Setup Wizard	
Before You Begin	
This wizard walks you through the steps necessary to install or upgrade Configuration Manager. Setup also provides you with options to recover a site, perform site maintenance, and uninstall the site.	
Before you run this wizard:	
1. Verify that you have a supported Microsoft SQL Server installation available for Configuration Manager.	
2. Identify the FQDN of the computer that is running Microsoft SQL Server.	
 Confirm that the computers for Configuration Manager site systems meet the minimum system requirements. 	
 Read the <u>release notes online</u> for important information and for links to supported versions and system requirements. 	
WARNING: This program is protected by copyright law and international treaties.	
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.	
< Previous Cancel	









System Center 2012 R2 Configuration Manager Setup Wizard
Product Key
Install the evaluation edition of this product When you install the evaluation edition of this product, it is fully functional for 180 days. After installation, you can enter the product key from the Site Maintenance option in Setup to upgrade the evaluation edition to the licensed edition.
Install the licensed edition of this product GVD2-CR2Q9-4W27P-4DV8Y-
< Previous Next > Cancel



System Center 2012 R2 Configuration Manager Setup Wizard
Microsoft Software License Terms
subject to your volume license agreement or service provider license agreement;
 a MSDN customer, use of this software is subject to the MSDN license agreement;
 a customer that received the software separately from a hardware manufacturer or system builder, use of this software is subject to the license agreement with that part;
 an online service customer, use of this software is subject to the online subscription agreement.
You may not use this software if you have not validly acquired a license for the software or online service from Microsoft or its licensed distributors.
Print License Terms
< Previous Next > Cancel



System Center 2012 R2 Configuration Manager Setup Wizard
Prerequisite Licenses
During Setup, Configuration Manager will download and store the following software on the site server and then automatically install the software on the site systems or client computers as required. See the <u>Configuration Manager Privacy Statement</u> for more information.
Microsoft SQL Server 2012 Express
View the Microsoft SOL Server 2012 Express License Terms
Microsoft SQL Server 2012 Native Client
View the Microsoft SQL Server 2012 Native Client License Terms
Microsoft Silverlight 5
This software will automatically update after installation.
View the Microsoft Silverlight 5 License Terms online
View the Microsoft Silverlight 5 Privacy Statement online
✓ I accept these License Terms and automatic updates of Silverlight
< Previous Next > Cancel

Die Downloads der Komponenten im folgenden Dialog muss nur einmal durchgeführt werden. Bei weiteren Server kann einfach der "Ordner" als Share angegeben werden.



System Center 2012 R2 Configuration Manager Setup Wizard
Prerequisite Downloads
Setup requires prerequisite files. Setup can automatically download the files to a location that you specify, or you can use files that have been downloaded previously.
• Download required files
P <u>a</u> th: [\\ssc\SCCM_Download <u>B</u> rowse]
C Use previously downloaded files
Example: \\ServerName\ShareName or C:\Downloads Pat <u>h</u> : Browse
< <u>P</u> revious <u>N</u> ext > <u>C</u> ancel





	System Center 2012 R	2 Configuration Manager Se	etup Wizard	
Client Lang	uage Selection			
		.		
Sele	Select the client languages for Configuration Manager to support.			
Whe	n you select a client language and it mat	tches the display language of a clier	nt computer, the Configura	ation
does	Manager client displays that language. English is the default language and it is used when Configuration Manager does not support the display language.			
V		in Cature and and and ask the City A	Animeter and and an	
You can modify the client languages if you run Setup again and select the Site Maintenance option.				
	and the Summarian difference on the			
Cur	rently supported Languages:			
	Name	Availability	State	_
	Danish	Downloaded	Not Installed	
	Dutch	Downloaded	Not Installed	
<u> </u>	English	Not Downloaded	Installed	
	Finnish	Downloaded	Not Installed	
	French	Downloaded	Not Installed	
	German	Downloaded	Pending Install	
	Greek	Downloaded	Not Installed	
	Hungarian	Downloaded	Not Installed	•
	and the state of the second state of the sta			
) Ei	nable all languages for mobile device clie	ents		
		< Previo	Next >	Cancel



System Center 2012 R2 Co	nfiguration Manager Se	etup Wizard		
Server Language Selection				
Select the server languages that Configuration Mar	ager displays in the Configur	ration Manager console ar	ad reports.	
Configuration Manager installs support for the land	Select the server languages that conliguration manager displays in the conliguration manager console and reports.			
server that runs the Configuration Manager console	Configuration Manager installs support for the languages that you select and uses the display language of the server that runs the Configuration Manager console or reports. English is the default language and it is used when			
Configuration Manager does not support the displa	Configuration Manager does not support the display language.			
You can modify the server languages if you run Set	You can modify the server languages if you run Setup again and select the Site Maintenance option.			
Currently Supported Languages:				
Name	Availability	State	_	
Chinese (Simplified)	Downloaded	Not Installed		
Chinese (Traditional, Hong Kong SAR)	Downloaded	Not Installed		
Chinese (Traditional, Taiwan)	Downloaded	Not Installed		
Czech	Downloaded	Not Installed		
Dutch	Downloaded	Not Installed		
English	Not Downloaded	Installed		
French	Downloaded	Not Installed		
German	Downloaded	Pending Install		
🔲 Hungarian	Downloaded	Not Installed		
🗖 Italian	Downloaded	Not Installed	-	
	< Previo	Next >	Cancel	
	< Previo		Cancer	



System Center 2012 R2 Configuration Manager Setup Wizard
Site and Installation Settings
Specify a site code that uniquely identifies this Configuration Manager site in your hierarchy. Site code:
Specify a site name that helps to identify the site. Example: Contoso Headquarters Site Site name:
Note: The site code must be unique in the Configuration Manager hierarchy and cannot be changed after you install the site.
Installation folder: C:\Program Files\Microsoft Configuration Manager Browse
Specify whether to install the Configuration Manager console to manage the Configuration Manager site from this computer. You can remotely manage the site when you do not install the Configuration Manager console.
☑ Install the Configuration Manager console
< Previous Next > Cancel



System Center 2012 R2 Configuration Manager Setup Wizard
Primary Site Installation
Specify whether to join the primary site to an existing Configuration Manager hierarchy or install the primary site as a stand-alone site.
C Join the primary site to an existing hierarchy
Central administration site server (FQDN): Example: server1.contoso.com
Install the primary site as a stand-alone site <pre></pre>
Configuration Manager X
You have selected to install this site as a stand-alone primary site. You can expand this site into a hierarchy at a later time by installing central administration site. Do you want to continue?
Yes No



System Center 2012 R2 Configuration Manager Setup Wizard		
Database Information		
Configuration Manager primary sites require a Microsoft SQL Server database to store site settings and data. Specify the site database server details. The instance name that you use for the site database must be configured with a static TCP port. Dynamic ports are not supported. SQL Server name (FQDN): Example: Server1.contoso.com [sappy_nickit.local] Instance name (leave blank for default): Example: MyInstance MSSQLSERVER Database name: Example: CM_XYZ [CM_HAN Specify the TCP port number for SQL Server Service Broker. Configuration Manager uses Service Broker to replicate data between parent and child site database servers in the hierarchy. This port is different from the port used by the SQL Server service, which is automatically detected by Configuration Manager. Service Broker Port: 4022		
< Previous Next > Cancel		



System Center 2012 R2 Configuration Manager Setup Wizard
Database Information
Specify the locations for the SQL Server data file and transaction log file.
Path to the SQL Server data file
C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER\MSSQL\DATA Browse
Path to the SQL Server log file
C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER\MSSQL\DATA Browse
< Previous Next > Cancel



System Center 2012 R2 Configuration Manager Setup Wizard
SMS Provider Settings
SMS Providers are used by the Configuration Manager console to communicate with the site database.
Specify the server where the SMS Provider will be installed.
SMS Provider (FQDN): Example: server1.contoso.com
ssc.nickit.local
Note: The SMS Provider cannot be installed on a server that is configured for SQL Server clustering.
< Previous Next > Cancel



System Center 2012 R2 Configuration Manager Setup Wizard
Client Computer Communication Settings
Configuration Manager site system roles can accept HTTP or HTTPS communication from clients. Specify whether to require all site system roles to accept only HTTPS communication or allow the communication method to be configured on each site system role.
All site system roles accept only HTTPS communication from clients Configure the communication method on each site system role
Clients will use HTTPS when they have a valid PKI certificate and HTTPS-enabled site roles are available
Note: HTTPS communication requires client computers to have a valid PKI certificate for client authentication.
< Previous Next > Cancel



System Center 2012 R2 Configuration Manager Setup Wizard
Site System Roles
Specify whether to have Setup install a management point or distribution point. A management point provides clients with policy and content location information. It also receives configuration data from clients. Image: Client connection: Cl
A distribution point contains source files for clients to download and lets you control content distribution by using bandwidth, throttling, and scheduling controls.
ssc.nickit.local The site server's computer account is used to install the selected site system roles. Ensure that this account is a member of the local administrators group for the specified servers. You can install additional site system roles from the Configuration Manager console after Setup finishes.
Site system roles configured to use HTTPS must have a valid PKI server certificate.



etup will install Configuration Manager with the	e following settings.
'ou have selected to install this site as a stand-al ime by installing central administration site.	lone primary site. You can expand this site into a hierarchy at a late
ettings:	Component Details
Setup Type	Primary site installation
Site Code	HAN
Site Name	NIT
Role Communication Protocol	Client configured to communicate over both
Clients Use PKI Certificate	Yes
Product Key	GVD2C-R2Q94-W27P4-DV8YY-P9H6Q
Installation Directory	C:\Program Files\Microsoft Configuration Ma
External File Folder	\\ssc\SCCM_Download

In dem Folgenden Dialog werden die Installationsvoraussetzungen für den Configuration Manager geprüft. Die Warnings kann ich an dieser Stelle nicht erklären. Die Komponenten, die hier angemahnt werden, sind korrekt installiert und konfiguriert. Daher starten wir nun die Installation.



System Center 2012 R2 Configuration Manager Setup Wizard

Prerequisite Check

Setup is checking for potential installation problems. If problems are found, Setup will display details about how to resolve them.

Details:

Prerequisite	Status	System	-
Schema extensions	Warning	ssc.nickit.local	
WSUS on site server	Warning	ssc.nickit.local	
Firewall exception for SQL Server (stand-alone primary	Warning	ssc.nickit.local	
Verify site server permissions to publish to Active Dire	Warning	ssc.nickit.local	
Configuration for SQL Server memory usage	Warning	ssc.nickit.local	
SQL Server process memory allocation	Warning	ssc.nickit.local	
BITS installed	Warning	ssc.nickit.local	•
Prerequisite checking has completed.			

Select an item to display details and information about how to resolve the problem. For a listing of all prerequisite check results, see ConfigMgrPrereq.log.

Begin Install

< Previous

Run Check

Cancel



System Center 2012 R2 Configuration Manager Setup Wizard					
stall					
Overall progress					
	Elapsed time: 00:10:38				
📢 Installing Component Monitor	▲				
C Installing SMS Executive					
📢 Installing Database Notification Monitor					
😋 Installing Site Control Manager					
죽 Installing Hierarchy Manager					
📢 Installing Inbox Manager					
📢 Installing policy provider					
😋 Installing management point control manager					
😋 Setting up management point					
😋 Installing boot image package	•				
View Log					
View Log					
	< Previous Next > Cancel				



System Center 2012 R2 Configuration Manager Setup Wizard						
Install						
Core setup has completed						
Elapsed time: 00:16:32						
🕑 Evaluating setup environment						
🔮 Evaluating and installing Configuration Manager dependencies						
🥑 Generating public key and SQL Server certificate						
🔮 Removing pre-existing Configuration Manager services and registry keys						
🥑 Setting up server accounts						
🕑 Updating registry						
🥑 Setting up the SQL Server database						
🔮 Copying files						
Installing SMS provider						
You can close the wizard now. For a list of tasks to help you configure your site, see <u>Post-Setup Configuration</u> <u>Tasks</u> in the Configuration Manager Documentation Library.						
View Log						
< Previous Next > Close						

Die Installation wurde erfolgreich abgeschlossen. Der Dialog kann mit "Close" geschlossen werden.

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File Home Sha	re View					~ ?	
🕞 💿 🔻 🛉 🕌 « ConfigMgr10 > AdminconsoleSetup > {831E0783-366A-46E6-9672-64312F834269} v 🖒 Search {831E0783-366A-46E6 🔎							
☆ Favorites	^ Name	Date modified	Туре	Size			
Desktop	🛃 Adminconsole	11.09.2013 13:00	Windows Installer	54.124 KB			
〕 Downloads	🛃 ALP1031	14.09.2013 18:00	Windows Installer	4.308 KB			
📃 Recent places	reportviewerlp_1031	11.09.2013 14:07	Application	971 KB			
This PC This PC C on SAHARA Desktop Documents Documents Downloads Music Pictures Videos							
3 items						III 🖿	

