

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
-----
True      No                Success      {Background Intelligent Transfer Service (...
Add-WindowsFeature -Name "Web-DAV-Publishing"
Success Restart Needed Exit Code      Feature Result
-----
True      No                Success      {WebDAV Publishing}
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
[X] ASP.NET 4.5                                   Web-Asp-Net45                          Installed
[X] ASP.NET 4.5                                   NET-Framework-45-ASPNET                Installed

Add-WindowsFeature -Name Web-Windows-Auth

Success Restart Needed Exit Code      Feature Result
-----
True      No                Success      {Windows Authentication}

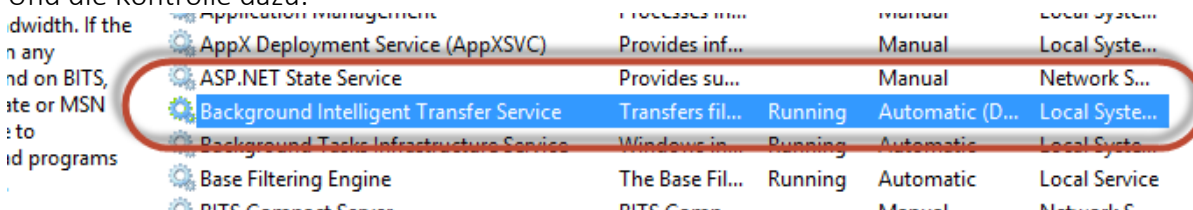
PS C:\> Add-WindowsFeature -Name RDC

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 Kontrolle dazu:

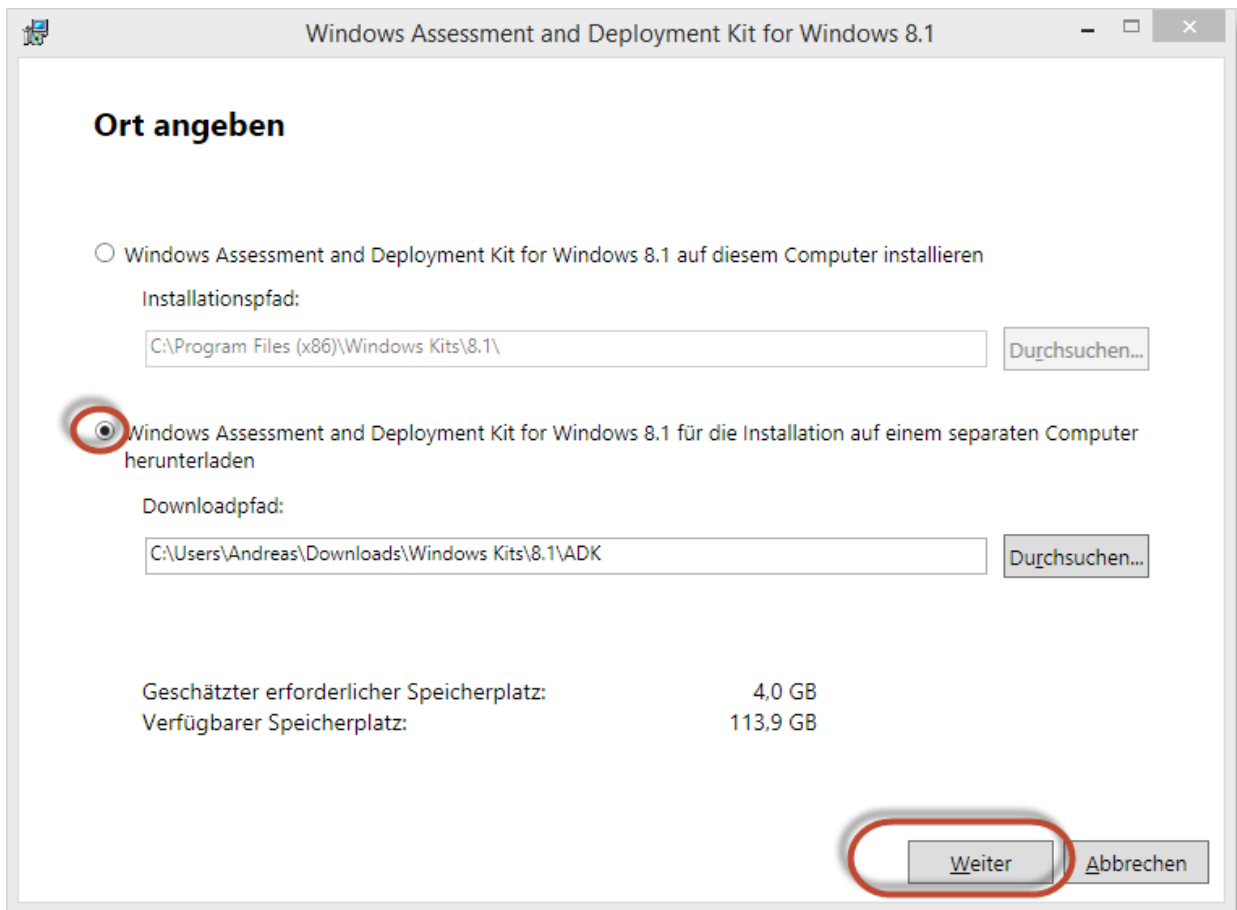


1.1.3 Regulär zu installieren (im Windows 8.1 ADK enthalten)

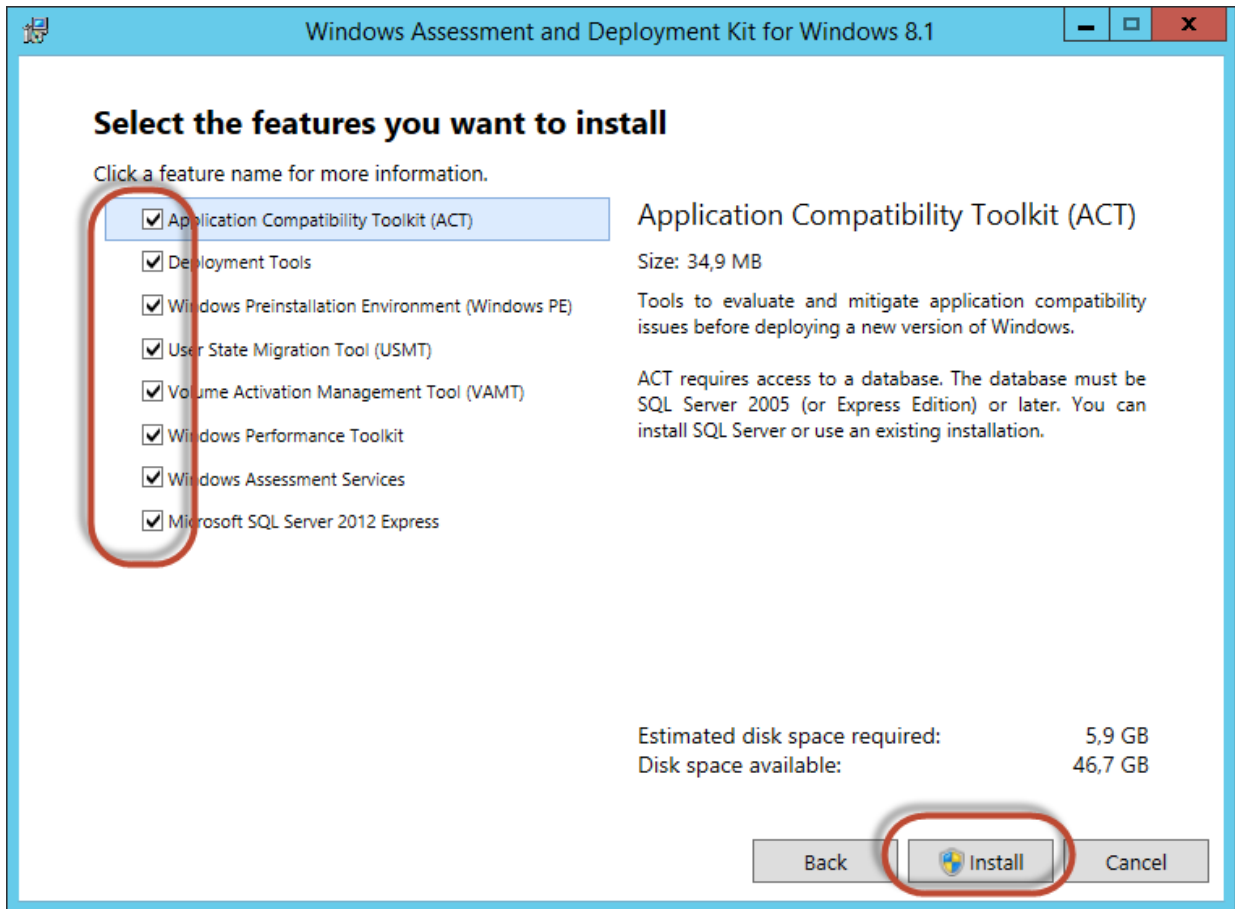
- User State Migration Tool
- Windows Deployment Tools

- 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.



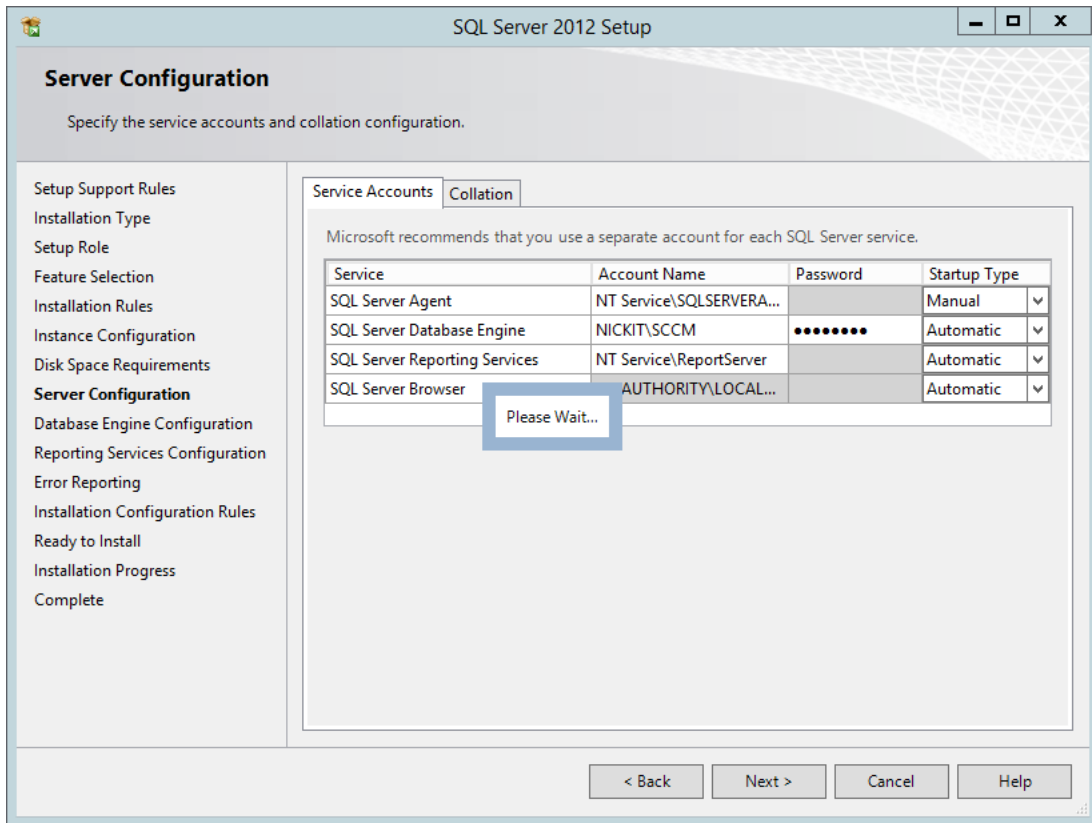
Anschließend das Verzeichnis auf den System Center Server kopieren und am besten alle Komponenten installieren.



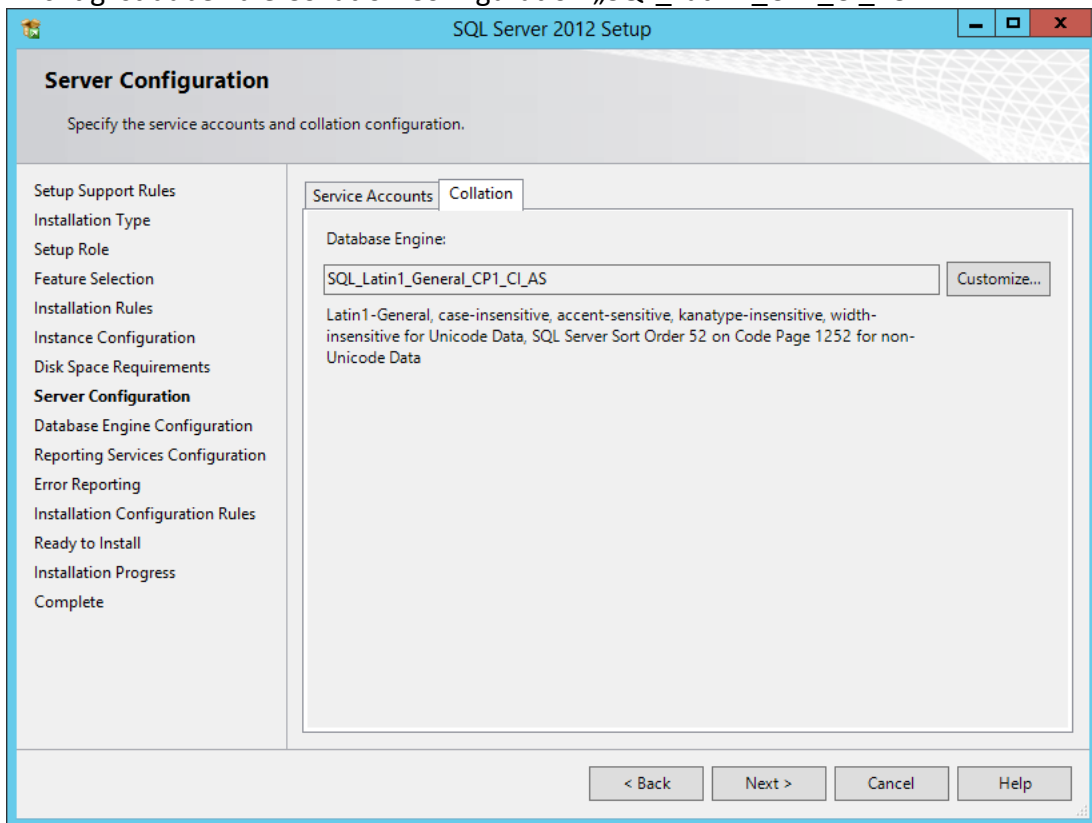
1.2 Installation SQL Server

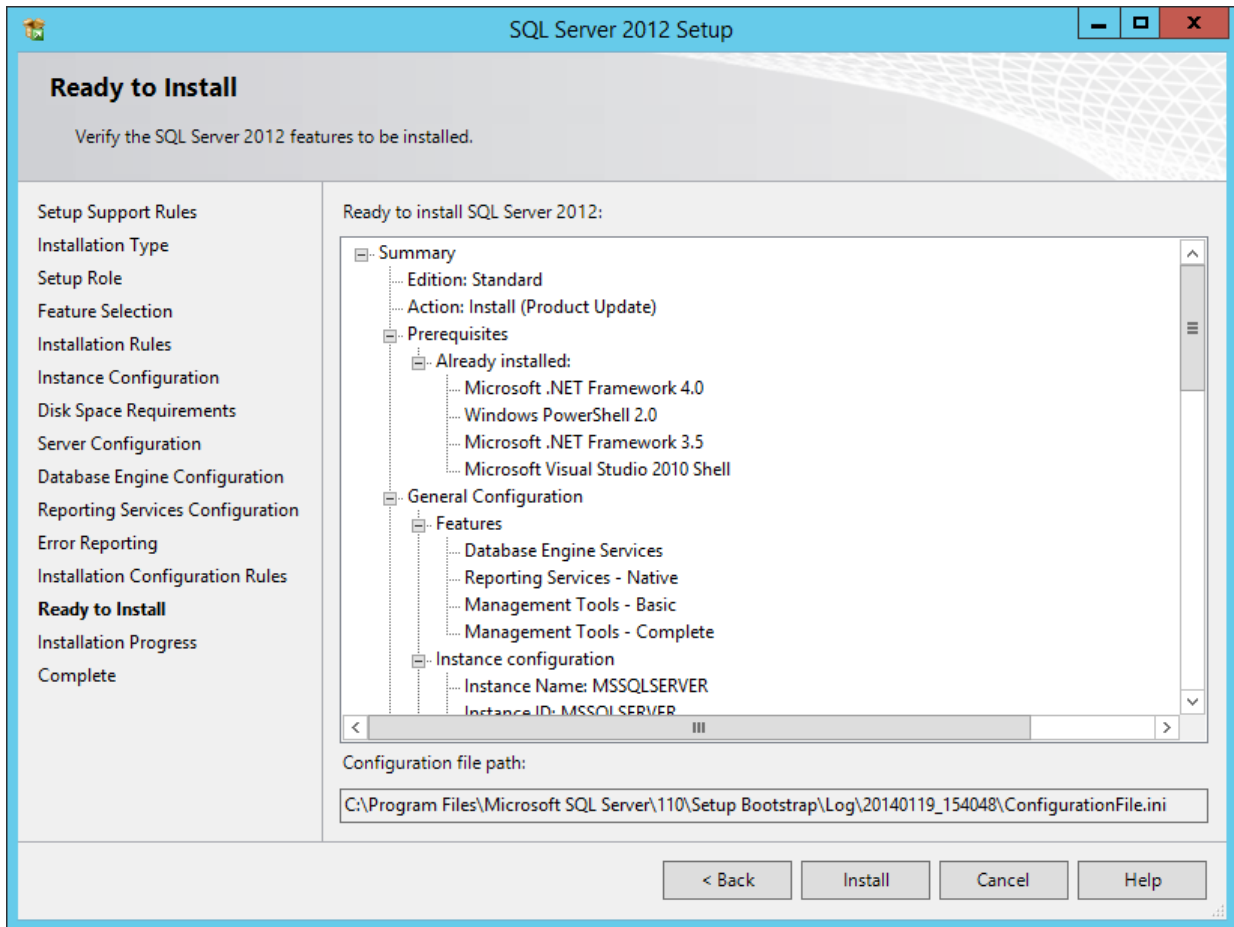
SCCM benötigt in dieser Installation eine lokal installierte SQL Server Instanz und einen eigenen Account. Dazu bitte eine Express Edition (Server 2012 SP1 o.ä.) installieren und einen AD Account anlegen. Dieser AD Account wird auf dem SCCM Server in der Gruppe der Lokalen Administratoren gepackt und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

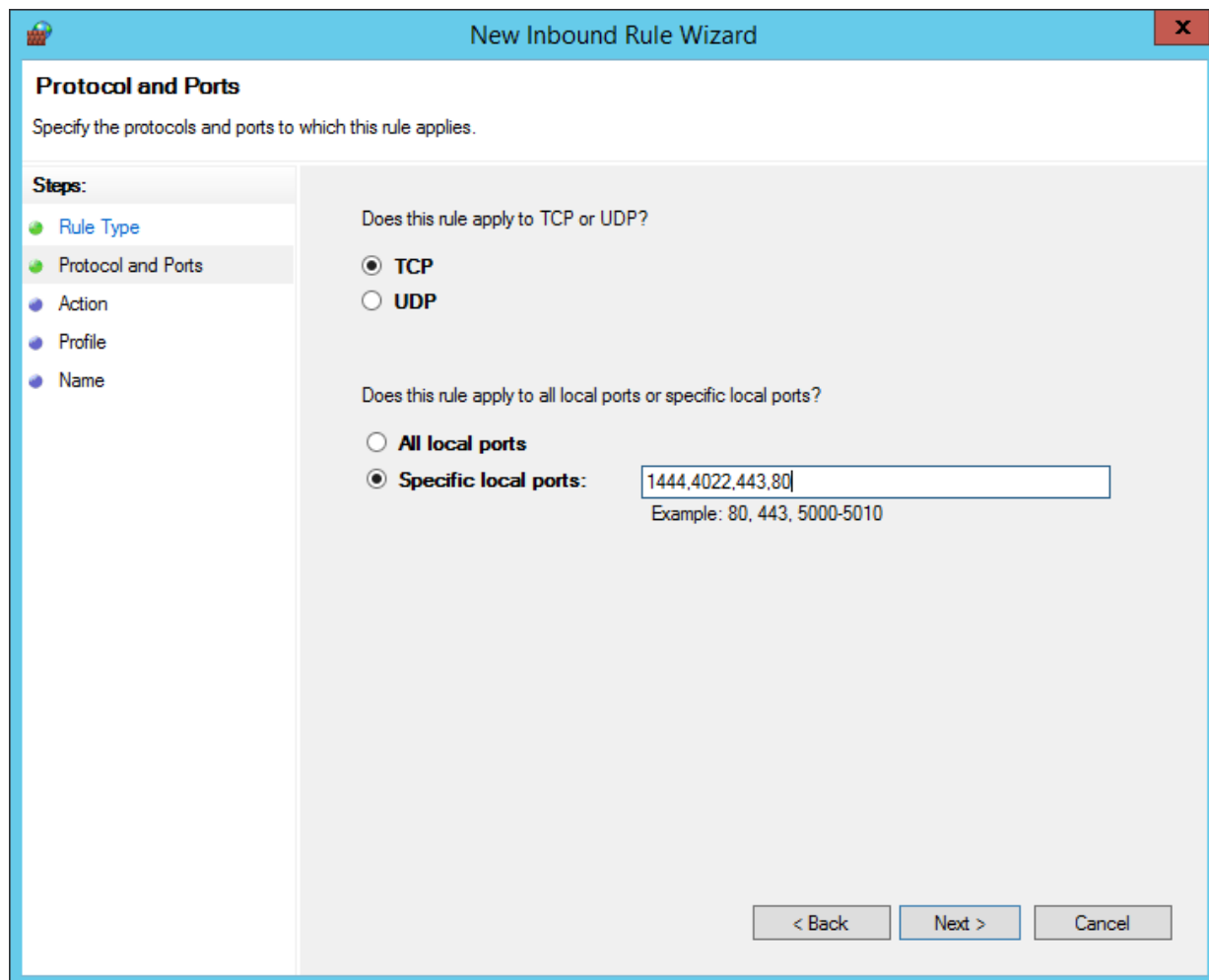


Wichtig ist dabei die Collation Configuration „SQL_Latin1_CP1_CI_AS





3. Einstellungen auf der lokalen Firewall



New Inbound Rule Wizard

Protocol and Ports
Specify the protocols and ports to which this rule applies.

Steps:

- Rule Type
- Protocol and Ports**
- Action
- Profile
- Name

Does this rule apply to TCP or UDP?

☒ **TCP**

☐ **UDP**

Does this rule apply to all local ports or specific local ports?

☐ **All local ports**

☒ **Specific local ports:**

Example: 80, 443, 5000-5010

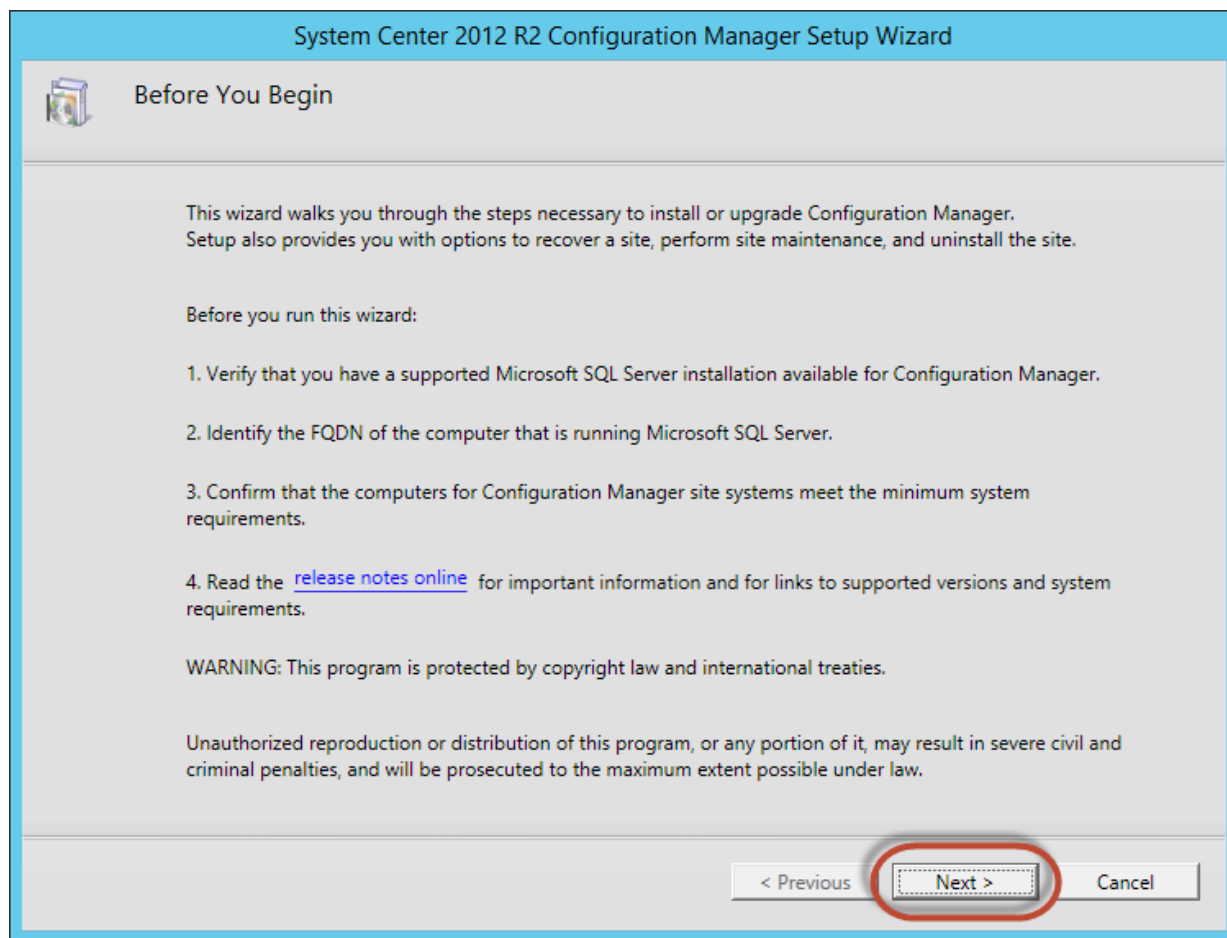
< Back Next > Cancel

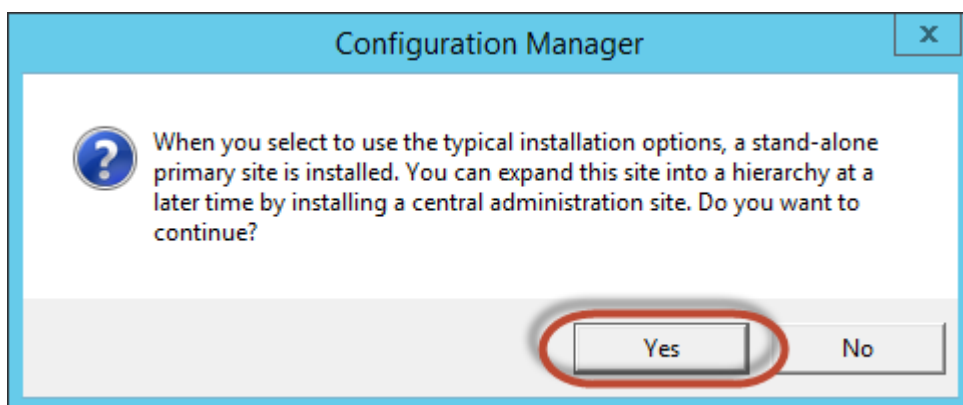
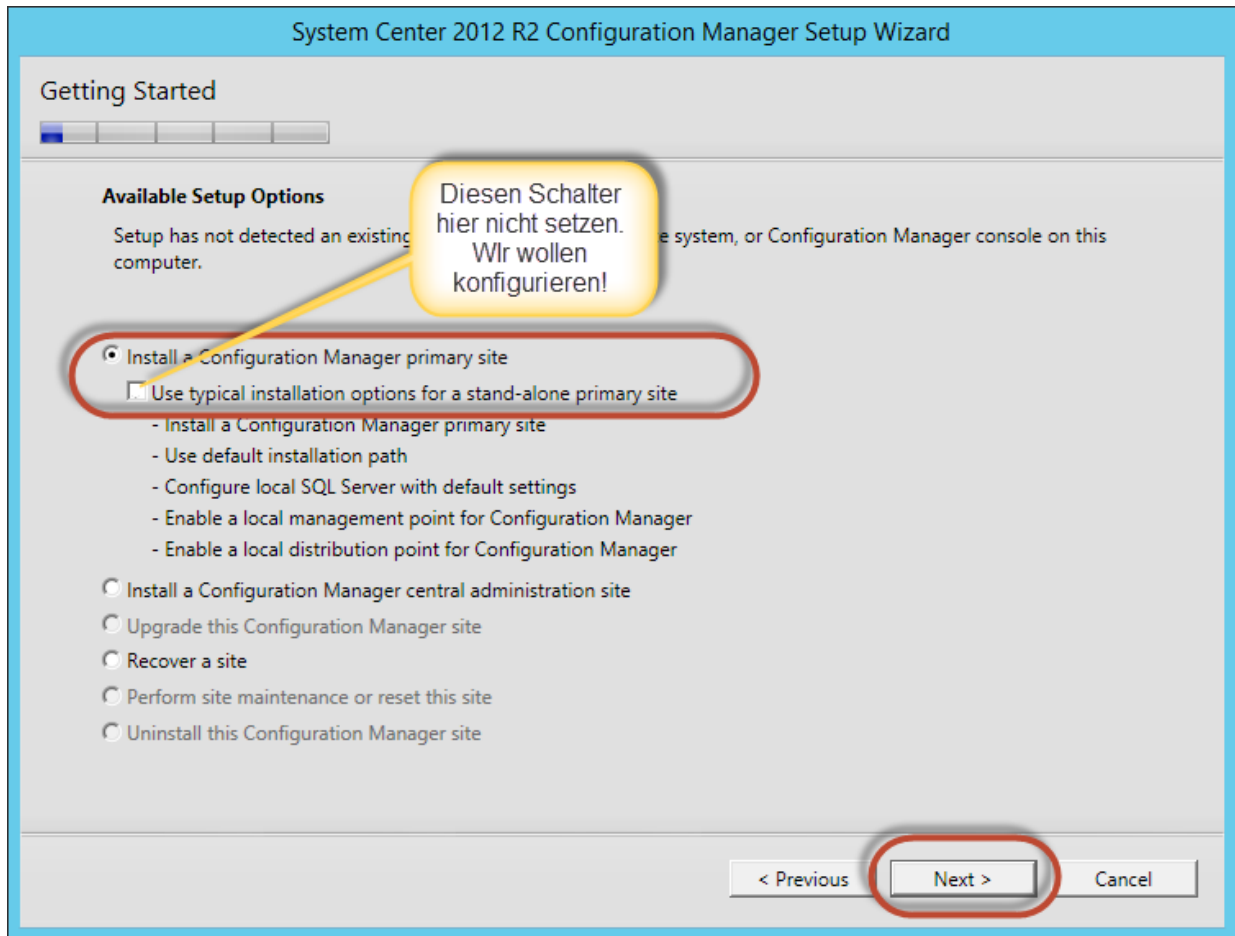
4.

5.

6. Installation des SCCM Servers







System Center 2012 R2 Configuration Manager Setup Wizard

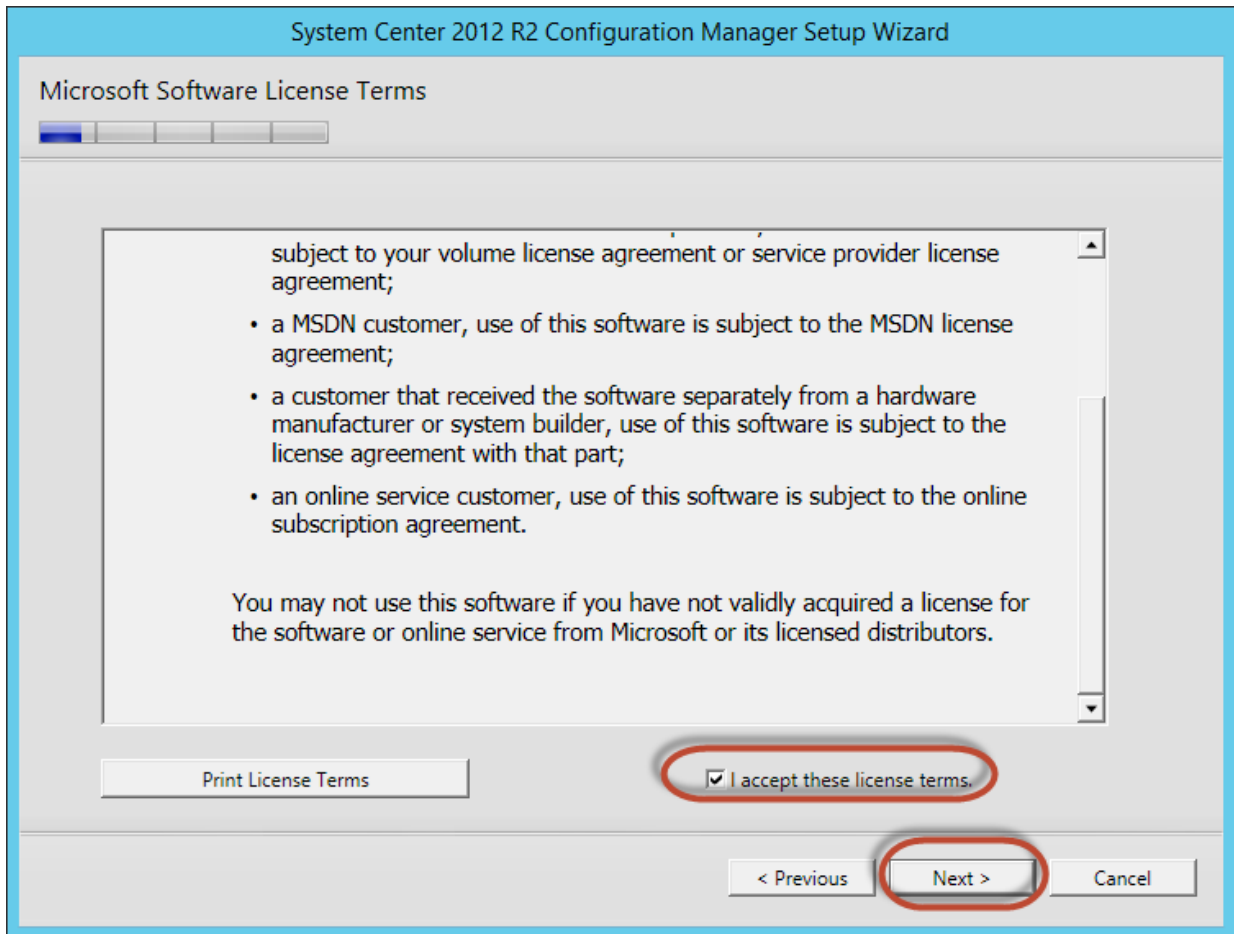
Product Key

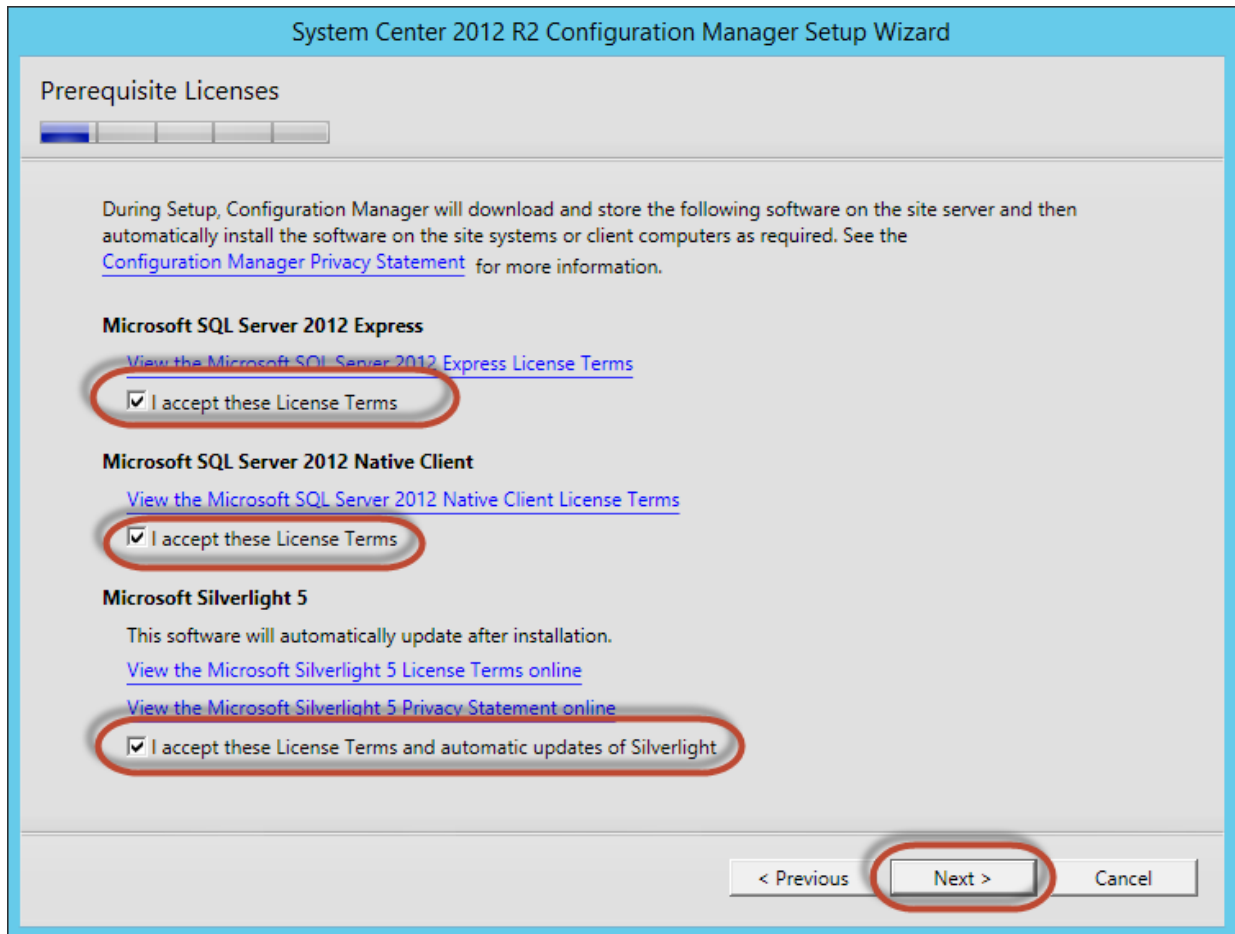
☐ Install the evaluation edition of this product

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.

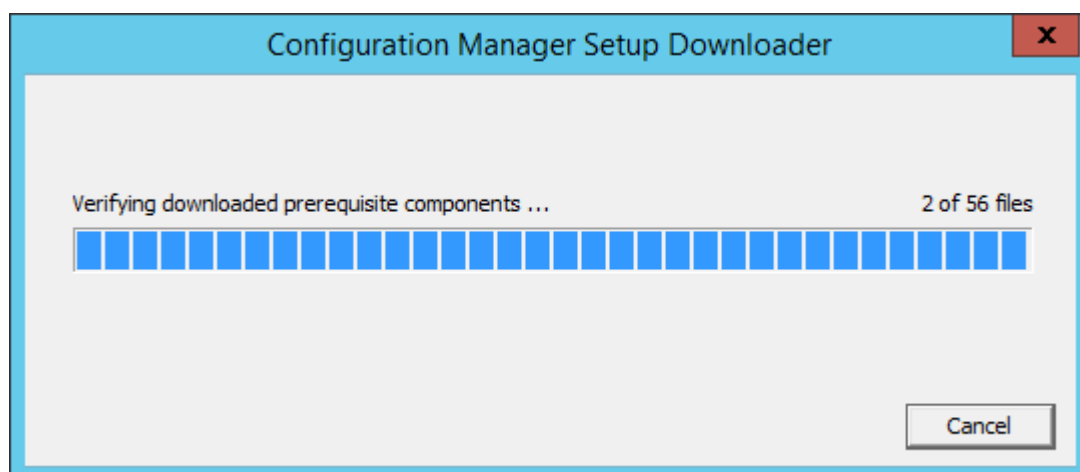
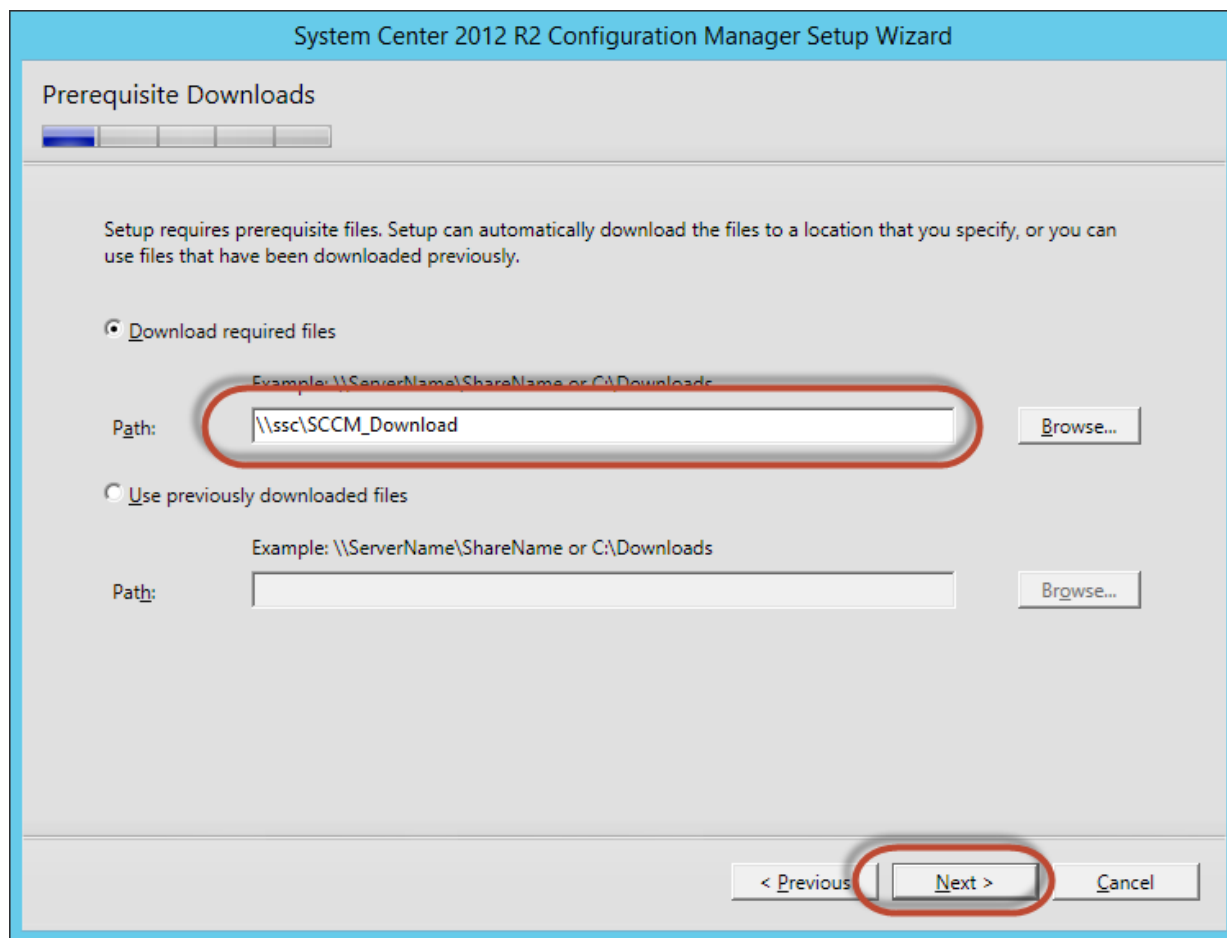
☒ Install the licensed edition of this product

< 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

Client Language Selection

Select the client languages for Configuration Manager to support.

When you select a client language and it matches the display language of a client computer, the Configuration Manager client displays that language. English is the default language and it is used when Configuration Manager does not support the display language.

You can modify the client languages if you run Setup again and select the Site Maintenance option.

Currently Supported Languages:

	Name	Availability	State
☐	Danish	Downloaded	Not Installed
☐	Dutch	Downloaded	Not Installed
☒	English	Not Downloaded	Installed
☐	Finnish	Downloaded	Not Installed
☐	French	Downloaded	Not Installed
☒	German	Downloaded	Pending Install
☐	Greek	Downloaded	Not Installed
☐	Hungarian	Downloaded	Not Installed

☐ Enable all languages for mobile device clients

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System Center 2012 R2 Configuration Manager Setup Wizard

Server Language Selection

Select the server languages that Configuration Manager displays in the Configuration Manager console and reports.

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 display language.

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

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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:

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 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.

☐ 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

< Previous **Next >** Cancel

Configuration Manager

 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

Instance name (leave blank for default): Example: MyInstance

Database name: Example: CM_XYZ

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:

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

Path to the SQL Server log file

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

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.

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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.

☒ Install a management point.

FQDN:

Client connection:

A distribution point contains source files for clients to download and lets you control content distribution by using bandwidth, throttling, and scheduling controls.

☒ Install a distribution point.

FQDN:

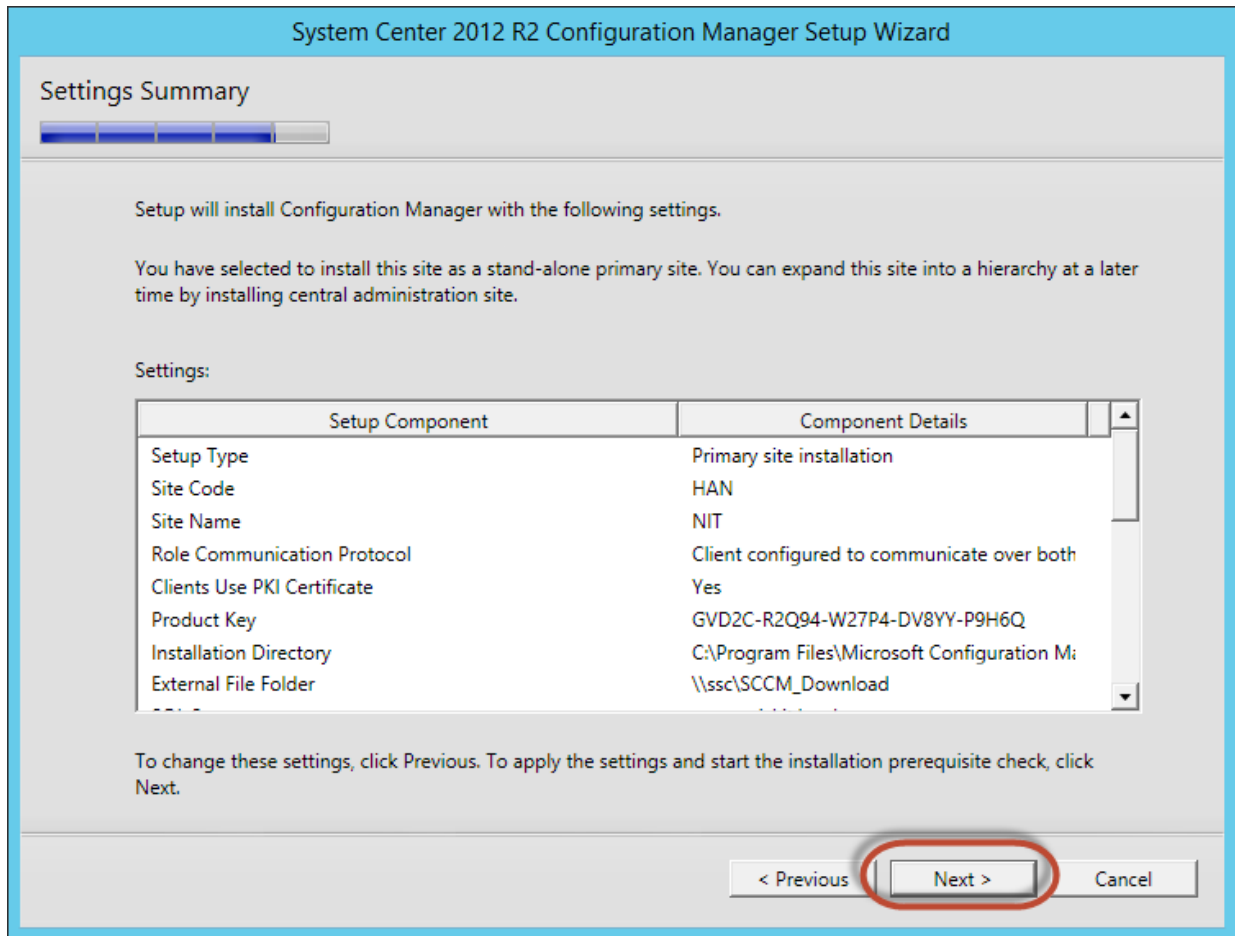
Client connection:

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.

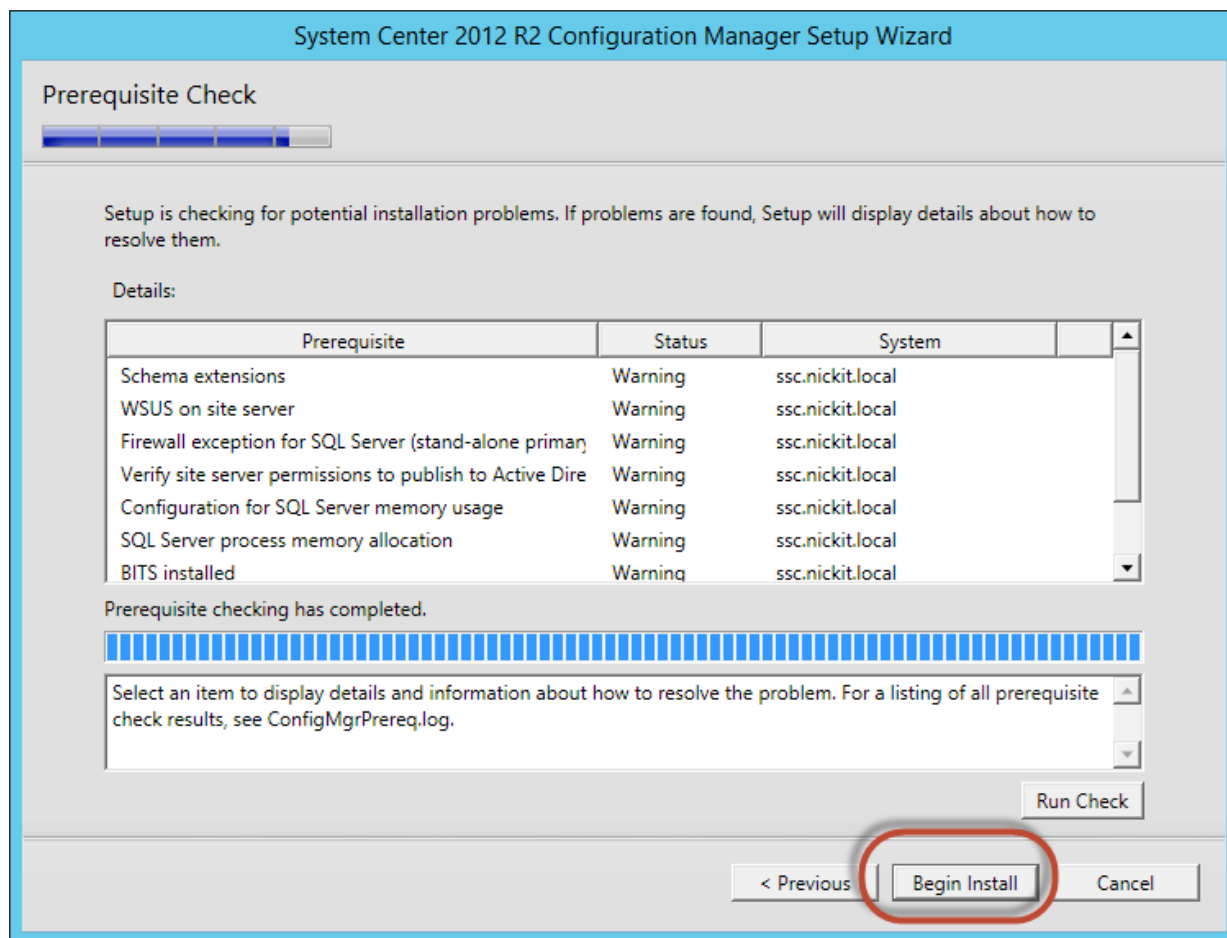
You can install additional site system roles from the Configuration Manager console after Setup finishes.

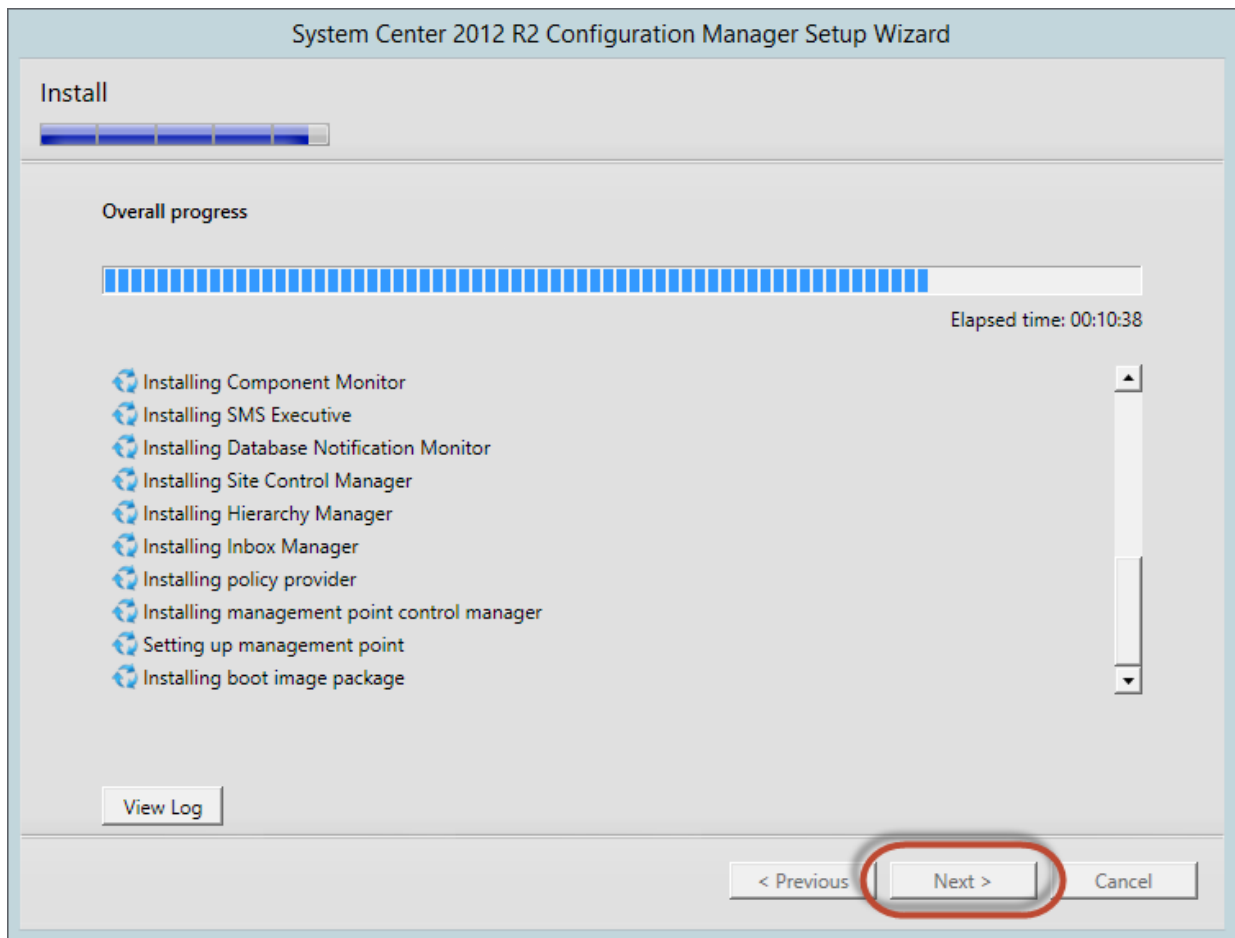
Site system roles configured to use HTTPS must have a valid PKI server certificate.

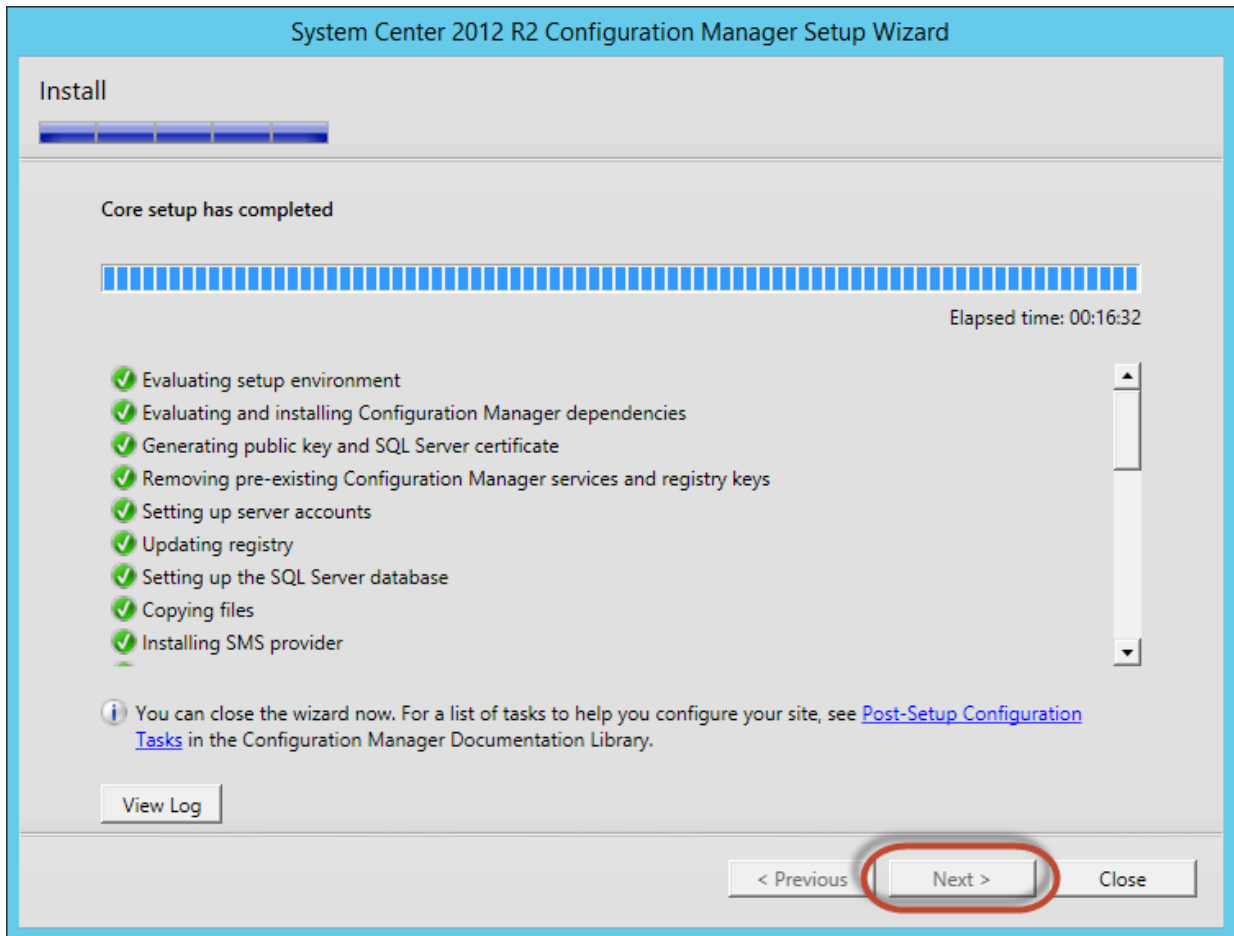
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In dem Folgenden Dialog werden die Installationsvoraussetzungen für den Configuration Manager geprüft. Die Warnings kann ich an dieser Stelle nicht erklären. Die Komponenten, die hier angemahnt werden, sind korrekt installiert und konfiguriert. Daher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







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

