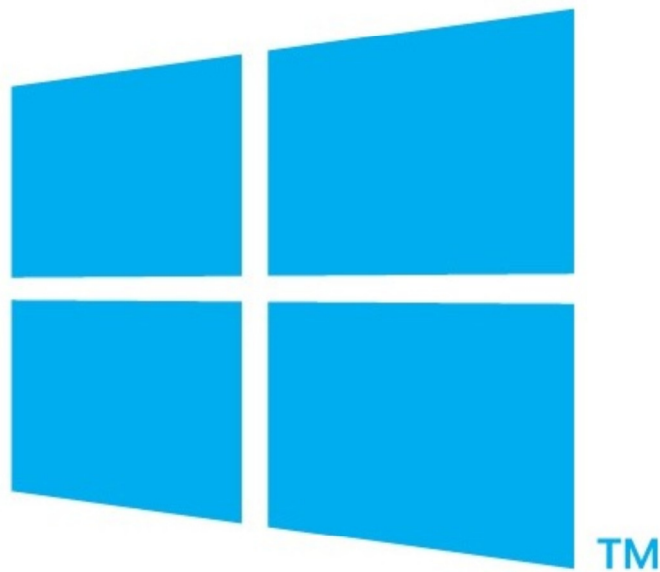




Department of Information Systems

Arkansas. A State of Technology.



## UPGRADING YOUR 2012 SCCM

Prepared By  
DIS APSCN/LAN Support

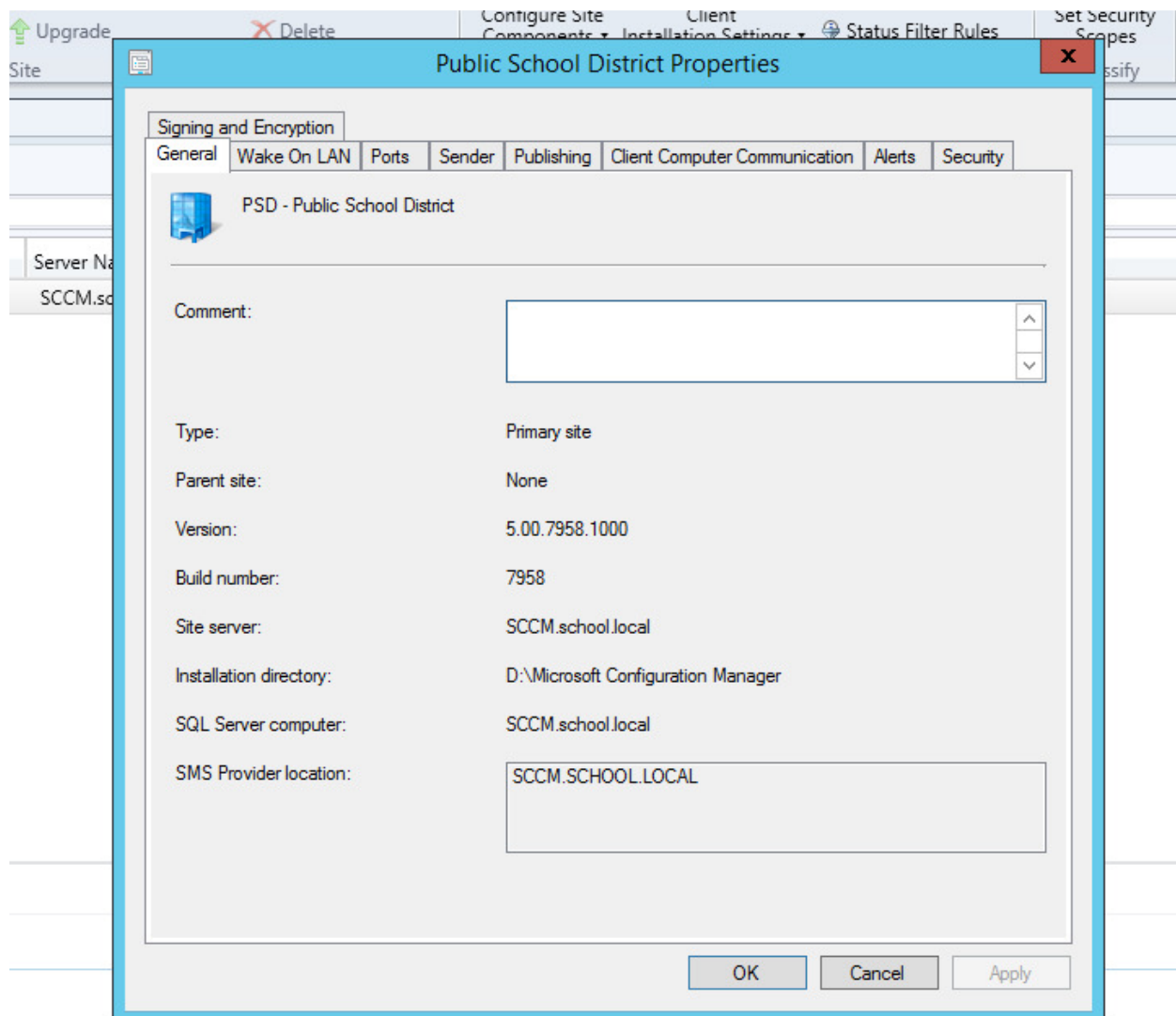
Finding your Site Number.....	01
Setup Site Backup.....	02-03
Match Your Build Number to Illustration on page 04-05.....	04-05
Uninstall ADK.....	06-08
Install ADK version needed for next install.....	07-09
Install the next build number in the sequence given on page 04.....	10-16
(ADK 10 covers 2012r2sp2 and 2012sp2 – SCCM 1602)	
Install the next build number in the sequence (SCCM_1511) given on pages 04-05.....	17-23
Completed install of SCCM 1602.....	25
Things to Note.....	26

Repeat the Process for each build number previous to SCCM 1511.

Please read the “Things to Note” Portion at the end of this document before Installing and or upgrading.

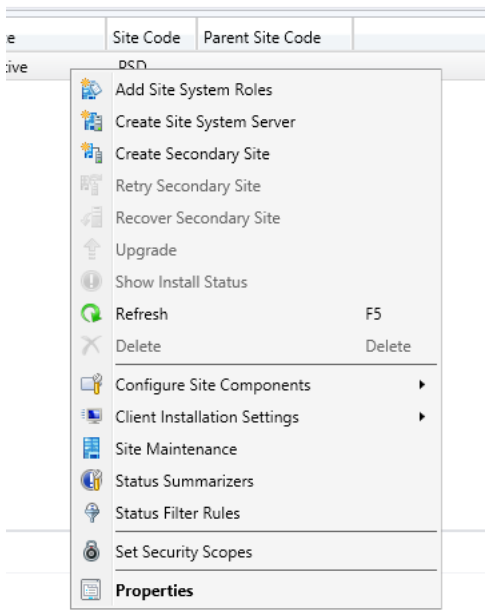
## Finding your Site – Build Number

01. Navigate to Administration / Site Configuration / Sites / you will see your site server in the middle of the screen.
02. Right-Click the Site and go to properties
03. Your Site Build and Version information will be displayed.

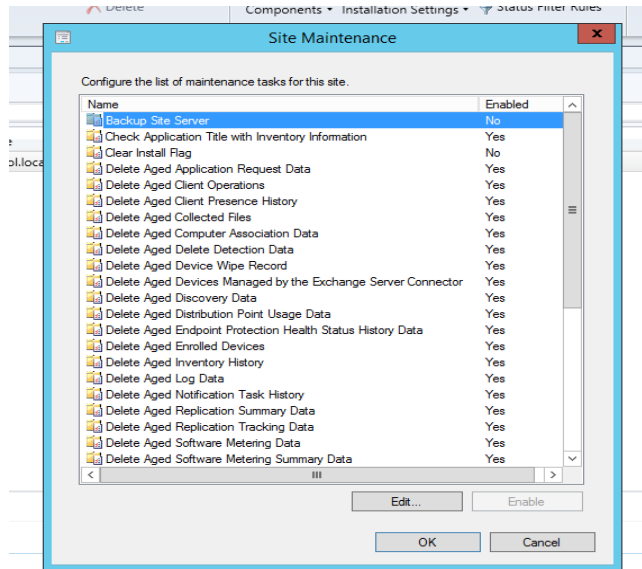


## Setup Site Backup

01. Navigate to Administration / Sites / Right Click your site
02. Navigate to Site Maintenance



03. Navigate to Site Maintenance

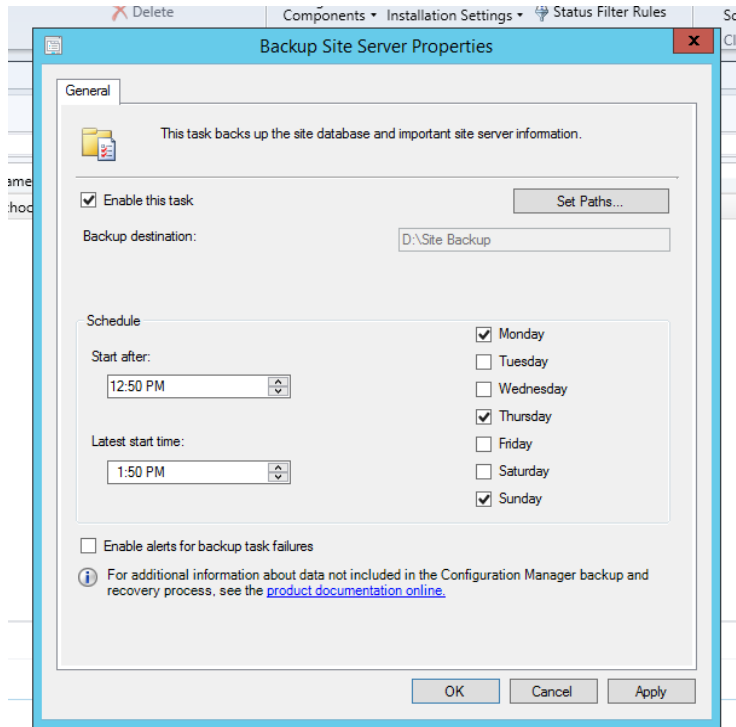


04. Click on Edit and change the value “Backup Site Server” From NO to “ENABLE THIS TASK”

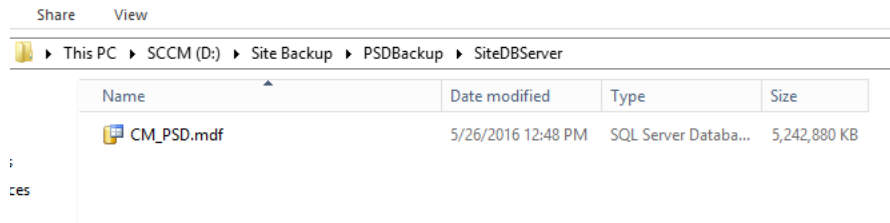
Page 03

## Setup Site Backup

05. Set the FQDN to an area on the SCCM server itself or in a custom backup location
06. Set the Days that you want to back up your site.
07. Initially set the start time for 5 minutes after you have configured the times set for the back up to start.
08. Click Apply and Ok – wait 5 minutes and check your backup location to make sure you have a good backup.
09. The Start Time and End Times must have atleast an hour between them.



10. After the backup is complete you should see a folder similar to the below illustration.



The backup will create the following folders and file on the server or share you chose for the backup( PSDBackup, SiteDRServer, CM\_PSD.mdf )

### Match Your Build Number to Illustration on page 04 and 05

Release	Version	Build	Download Link	Our Guides
SCCM 2012 RTM	5.00.7711.0000	7711	N/A	N/A

Release	Version	Build	Download Link	Our Guides
SCCM 2012 RTM – CU1	5.00.7711.0200	7711	<a href="#">KB2717295</a>	N/A
SCCM 2012 RTM – CU2	5.00.7711.0301	7711	<a href="#">KB2780664</a>	N/A
SCCM 2012 SP1	5.00.7804.1000	7804	N/A	N/A
SCCM 2012 SP1 – CU1	5.00.7804.1202	7804	<a href="#">KB2817245</a>	N/A
SCCM 2012 SP1 – CU2	5.00.7804.1300	7804	<a href="#">KB2854009</a>	N/A
SCCM 2012 SP1 – CU3	5.00.7804.1400	7804	<a href="#">KB2882125</a>	N/A
SCCM 2012 SP1 – CU4	5.00.7804.1500	7804	<a href="#">KB2922875</a>	N/A
SCCM 2012 SP1 – CU5	5.00.7804.1600	7804	<a href="#">KB2978017</a>	N/A
SCCM 2012 R2	5.00.7958.1000	7958	N/A	<a href="#">Installation guide</a>
SCCM 2012 R2 – CU1	5.00.7958.1203	7958	<a href="#">KB2938441</a>	N/A
SCCM 2012 R2 – CU2	5.00.7958.1303	7958	<a href="#">KB2970177</a>	<a href="#">Upgrade guide</a>
SCCM 2012 R2 – CU3	5.00.7958.1401	7958	<a href="#">KB2994331</a>	<a href="#">Upgrade guide</a>
SCCM 2012 R2 – CU4	5.00.7958.1501	7958	<a href="#">KB3026739</a>	<a href="#">Upgrade guide</a>
SCCM 2012 R2 – CU5	5.00.7958.1604	7958	<a href="#">KB3054451</a>	<a href="#">Upgrade guide</a>
SCCM 2012 R2 SP1	5.00.8239.1000	8239	N/A	<a href="#">Upgrade guide</a>
SCCM 2012 R2 SP1 – CU1	5.00.8239.1203	8239	<a href="#">KB3074857</a>	<a href="#">Upgrade guide</a>
SCCM 2012 R2 SP1 – CU2	5.00.8239.1301	8239	<a href="#">KB3100144</a>	<a href="#">Upgrade guide</a>
SCCM 2012 R2 SP1 – CU3	5.00.8239.1403	8239	<a href="#">KB3135680</a>	<a href="#">Upgrade guide</a>
SCCM 1511	5.00.8325.1000	8325	N/A	<a href="#">Installation guide / Upgrade guide</a>
SCCM 1602	5.00.8355.1000	8355	N/A	<a href="#">Upgrade guide</a>

NOTES: ADK needs to match your version of SCCM. Sccm 2012 is initially installed with Windows Assesment and Deployment kit 8.0 As seen in the build numbers listed above the server being upgraded is running SCCM 2012 R2. SCCM 2012 and SCCM 2012 R2 can and

have been running ADK 8.0 or 8.1. ADK 10 is needed for the Management of Windows 10 Machines.

The Update Process is as follows:

Uninstall ADK 8 with config manager closed

Install ADK 8.1

2012 and 2012R2 – initial upgrade to 2012SP1 and 2012r2Sp1

2012sp1 and 2012R2SP1 with ADK 8.1

Uninstall ADK 8.1

Install ADK 10

2012r2SP2 2012sp2 With ADK 10

SCCM 1511 With ADK 10

SCCM 1602 With ADK 10

ISO Name for upgrading to sp1 – ADK 8.1

SW\_DVD5\_Sys\_Ctr\_2012w\_SP1\_Config\_Mgr\_EndPt\_Protection\_MultiLang\_-2\_X18-84756.iso

ISO Name for upgrading to sp2 – ADK 10

SW\_DVD5\_Sys\_Ctr\_ConfigMgr\_and\_Endpnt\_Prtctn\_2012w\_SP2\_MultiLang\_MLF\_X20-21849.ISO

ISO Name for upgrading to SCCM 1511 – ADK 10

SW\_DVD5\_Sys\_Ctr\_ConfigMgrClnt\_ML\_1511\_MultiLang\_ConfMgr\_MLF\_X20-81134.ISO

NO Iso needed to upgrade to SCCM 1602 - ADK 10  
Scm 1602 is updated via the web

**Page 6**

## **Uninstall ADK**

1. To uninstall Adk navigate on the sccm server with configuration manager CLOSED to Control Panel / Programs and features/. Windows Assessment and Development kits are listed in the installed programs.  
We see that on this server ADK 8.1 is installed



Name	Publisher	Installed On	Size	Version
Microsoft Help Viewer 1.1	Microsoft Corporation	2/25/2016	3.97 MB	1.1.40219
Microsoft Report Viewer 2012 Runtime	Microsoft Corporation	2/25/2016	26.2 MB	11.0.2100.60
Microsoft ReportViewer 2010 SP1 Redistributable (KB2...	Microsoft Corporation	2/25/2016	12.4 MB	10.0.40220
Microsoft SQL Server 2008 R2 Management Objects	Microsoft Corporation	2/25/2016	15.3 MB	10.51.2500.0
Microsoft SQL Server 2008 Setup Support Files	Microsoft Corporation	2/25/2016	38.9 MB	10.1.2731.0
Microsoft SQL Server 2012 (64-bit)	Microsoft Corporation	2/25/2016		
Microsoft SQL Server 2012 Management Objects (x64)	Microsoft Corporation	2/25/2016	16.3 MB	11.0.2100.60
Microsoft SQL Server 2012 Native Client	Microsoft Corporation	2/25/2016	7.22 MB	11.1.3000.0
Microsoft SQL Server 2012 Policies	Microsoft Corporation	2/25/2016	996 KB	11.0.2100.60
Microsoft SQL Server 2012 Setup (English)	Microsoft Corporation	2/25/2016	174 MB	11.1.3128.0
Microsoft SQL Server 2012 Transact-SQL Compiler Ser...	Microsoft Corporation	2/25/2016	85.5 MB	11.1.3128.0
Microsoft SQL Server 2012 Transact-SQL ScriptDom	Microsoft Corporation	2/25/2016	4.54 MB	11.1.3000.0
Microsoft SQL Server System CLR Types	Microsoft Corporation	2/25/2016	2.53 MB	10.51.2500.0
Microsoft System CLR Types for SQL Server 2012 (x64)	Microsoft Corporation	2/25/2016	1.77 MB	11.1.3000.0
Microsoft Visual C++ 2008 Redistributable - x64 9.0.30...	Microsoft Corporation	2/24/2016	13.2 MB	9.0.30729.6161
Microsoft Visual C++ 2008 Redistributable - x86 9.0.30...	Microsoft Corporation	2/24/2016	10.1 MB	9.0.30729.4148
Microsoft Visual C++ 2008 Redistributable - x86 9.0.30...	Microsoft Corporation	2/25/2016	10.1 MB	9.0.30729.4974
Microsoft Visual C++ 2010 x64 Redistributable - 10.0...	Microsoft Corporation	2/25/2016	13.8 MB	10.0.40219
Microsoft Visual C++ 2010 x86 Redistributable - 10.0...	Microsoft Corporation	2/25/2016	11.1 MB	10.0.40219
Microsoft Visual C++ 2010 x86 Runtime - 10.0.40219	Microsoft Corporation	2/25/2016	15.9 MB	10.0.40219
Microsoft Visual Studio 2010 Shell (Isolated) - ENU	Microsoft Corporation	2/25/2016	579 MB	10.0.40219
Microsoft VSS Writer for SQL Server 2012	Microsoft Corporation	2/25/2016	2.92 MB	11.1.3000.0
SQL Server Browser for SQL Server 2012	Microsoft Corporation	2/25/2016	9.86 MB	11.1.3000.0
System Center 2012 R2 Configuration Manager Cons...	Microsoft Corporation	2/25/2016	141 MB	5.00.7958.1000
System Center 2012 R2 Configuration Manager Prima...	Microsoft Corporation	2/25/2016		5.00.7958.1000
System Center Endpoint Protection	Microsoft Corporation	3/1/2016		4.3.220.0
Visual Studio 2010 Prerequisites - English	Microsoft Corporation	2/25/2016	23.5 MB	10.0.40219
VMware Tools	VMware, Inc.	2/24/2016	64.1 MB	9.9.0.2304977
Windows Assessment and Deployment Kit for Windo...	Microsoft Corporation	2/25/2016	3.15 GB	8.100.26866

You will be prompted if your sure that you want to uninstall  
Choose “Yes”

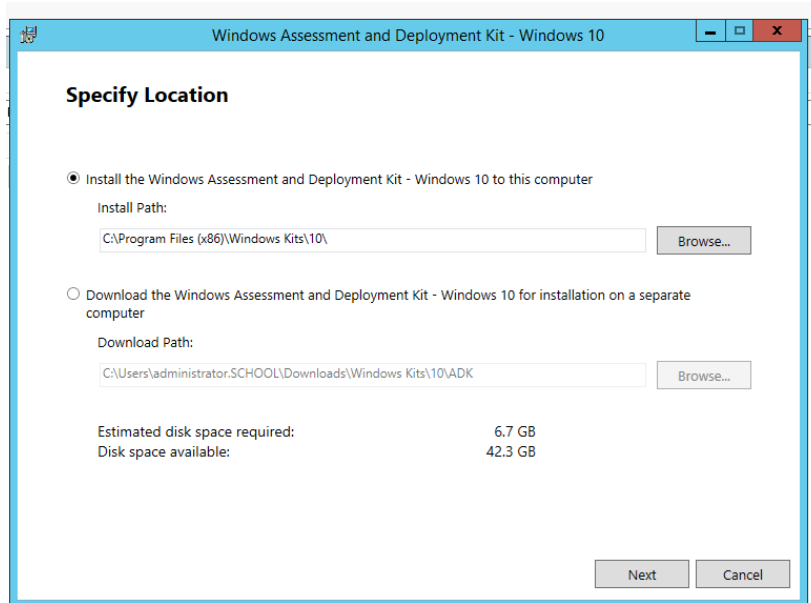
Install the ADK needed for SP1 – 8.1 or 10. Windows Assesment and Development toolkit must be installed before installing the next SCCM update as seen below.

## Install ADK 10 Version 10.0.26624.0

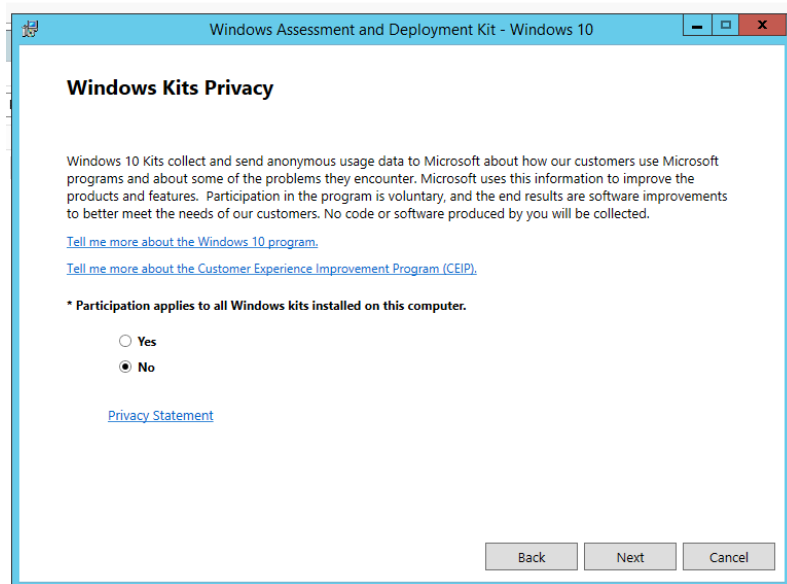
ISO Name for upgrading to sp2

2012r2sp1\_2012\_sp2SW\_DVD5\_Sys\_Ctr\_ConfigMgr\_and\_Endpnt\_Prtctn\_2012w\_SP2\_Multi  
Lang\_MLF\_X20-21849.ISO

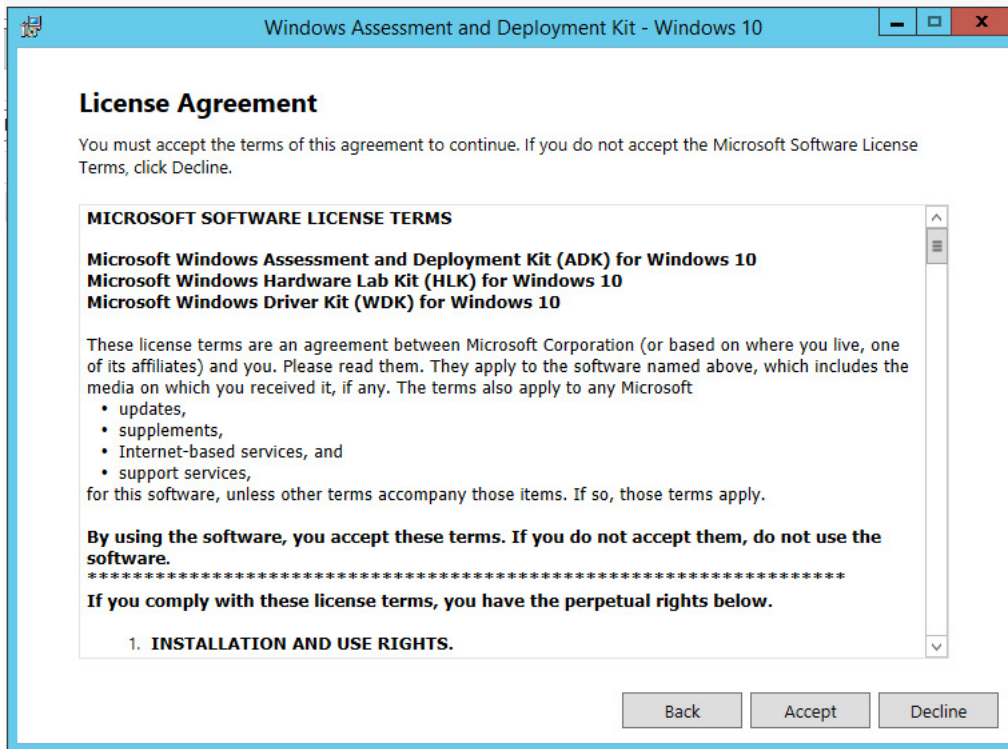
ADK 10 has 2 versions available on the net. ADK 10 1511 is known to have bugs.  
The Version of ADK 10 to use for upgrades is: ADK 10 Version 10.0.26624.0



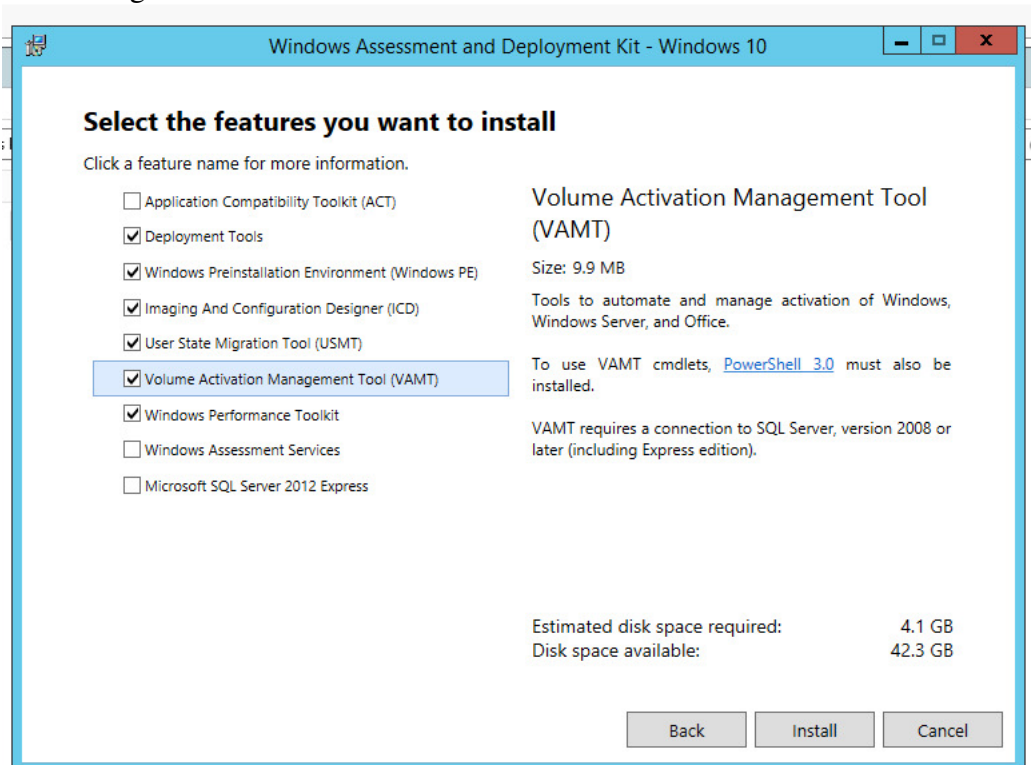
Next....



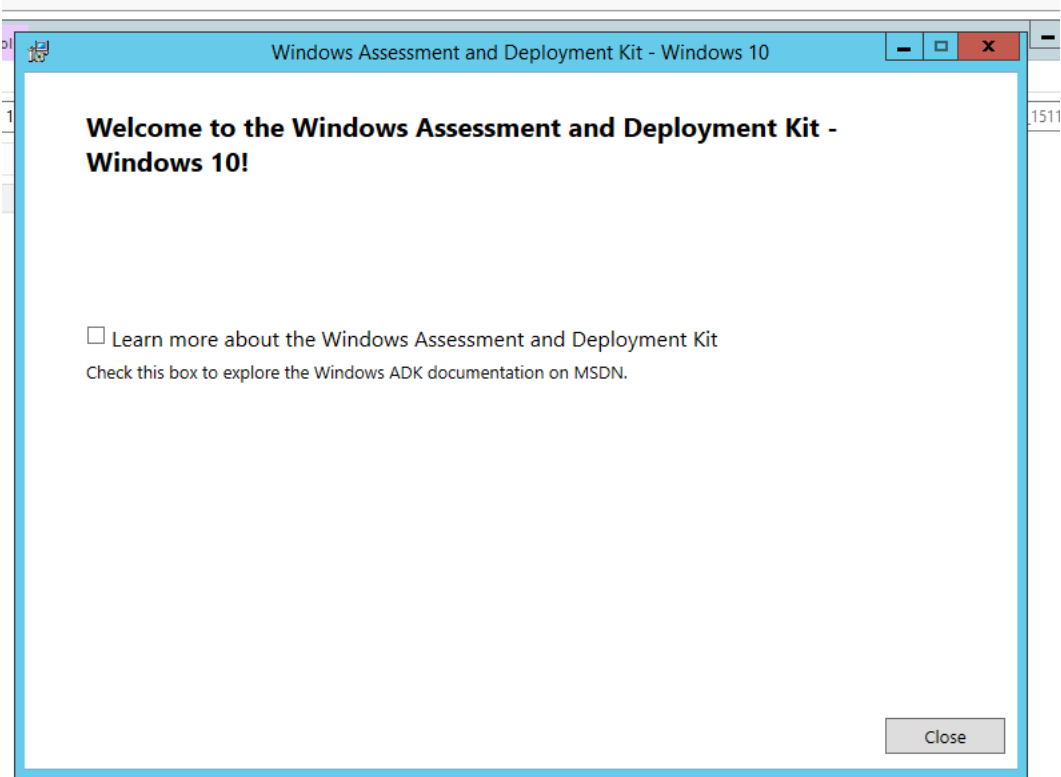
No / Next



Accept Licence Agreement



UNCHECK – the first and last two check boxes and click install



Click close

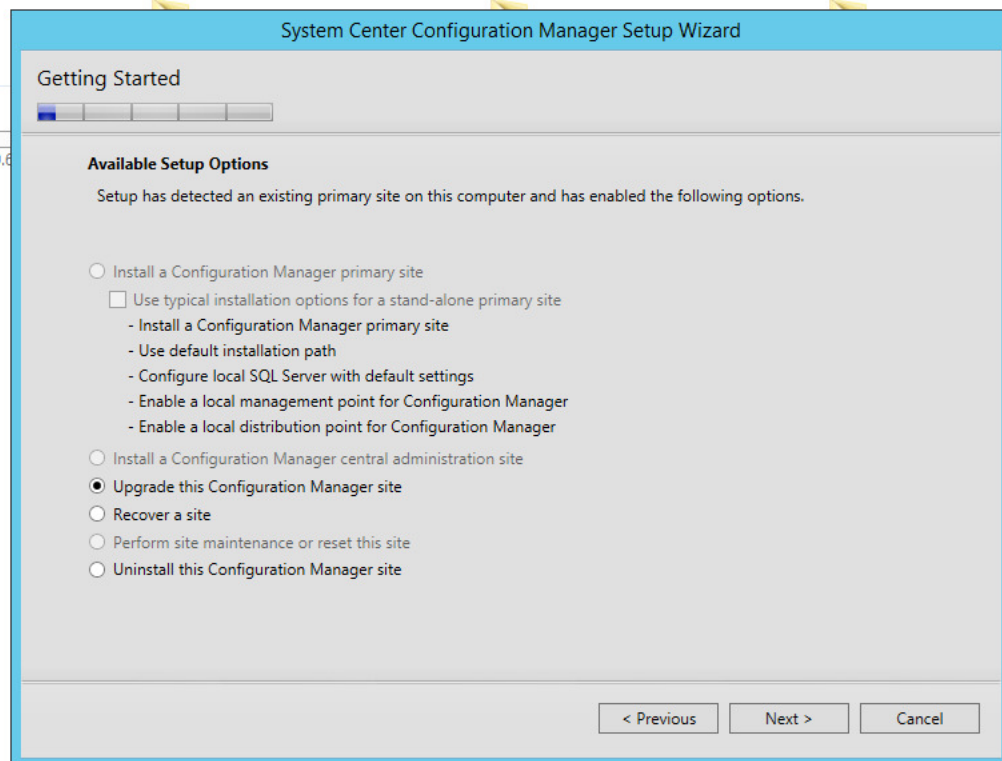
# Install the next build number in the sequence given on page 04

In this instance we are grading to Sccm 2012 SP2 2012R2



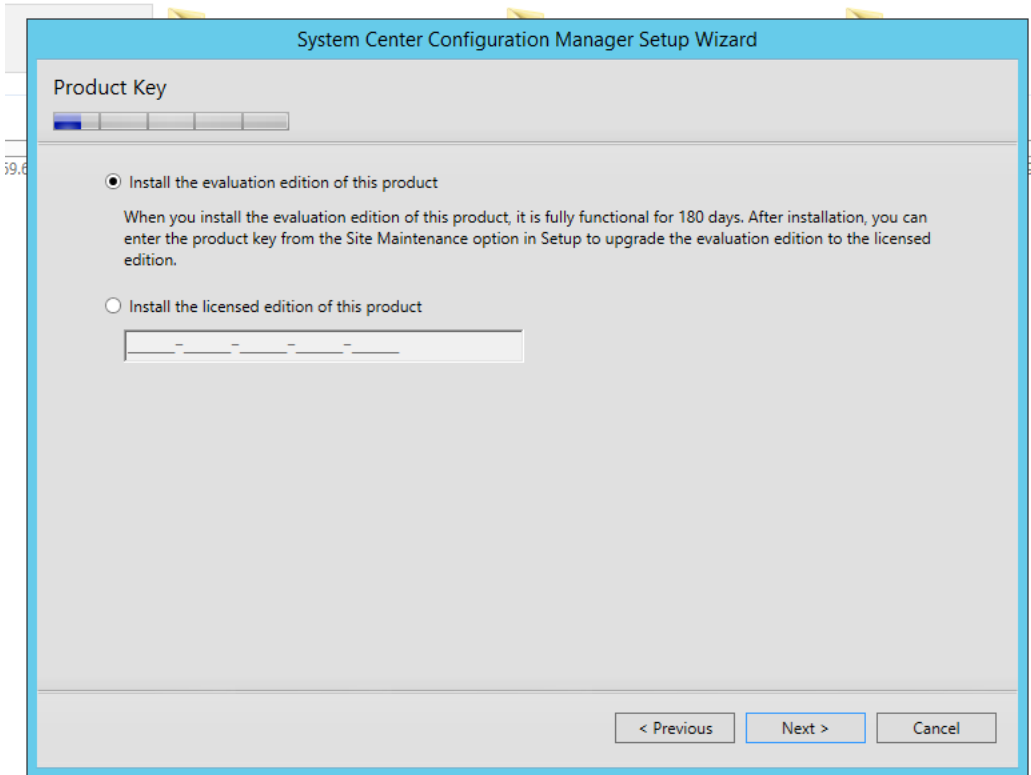
Click "install"

Click "next"

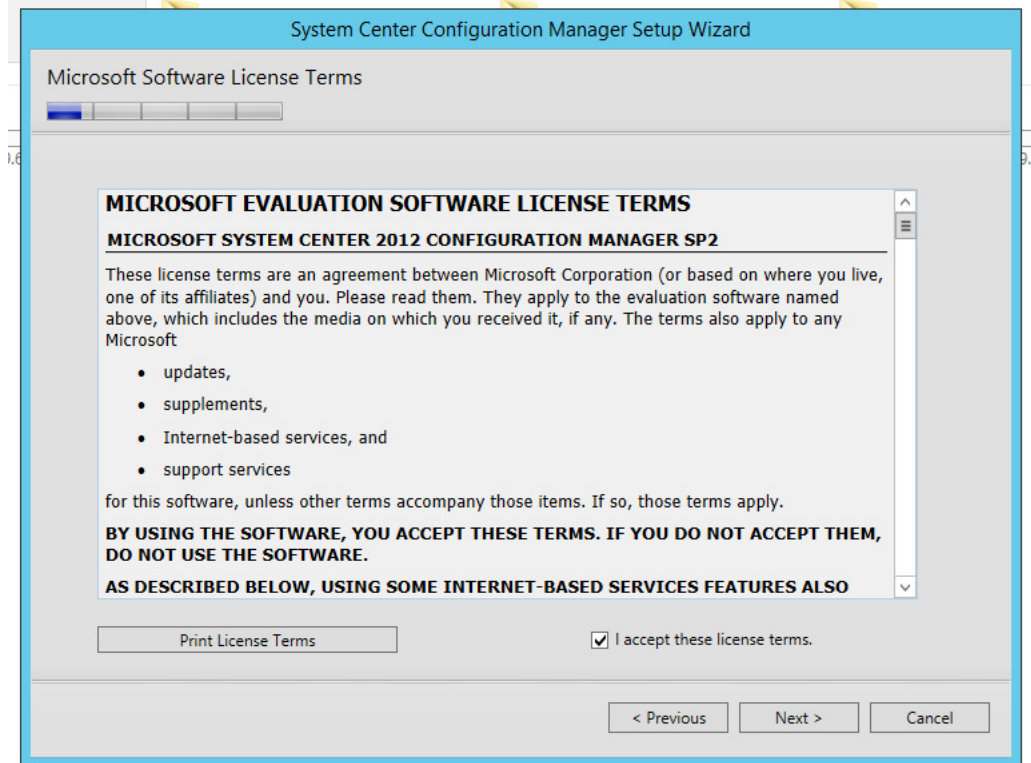


Make sure 'Upgrade this Configuration Manager Site' is checked and click "next"

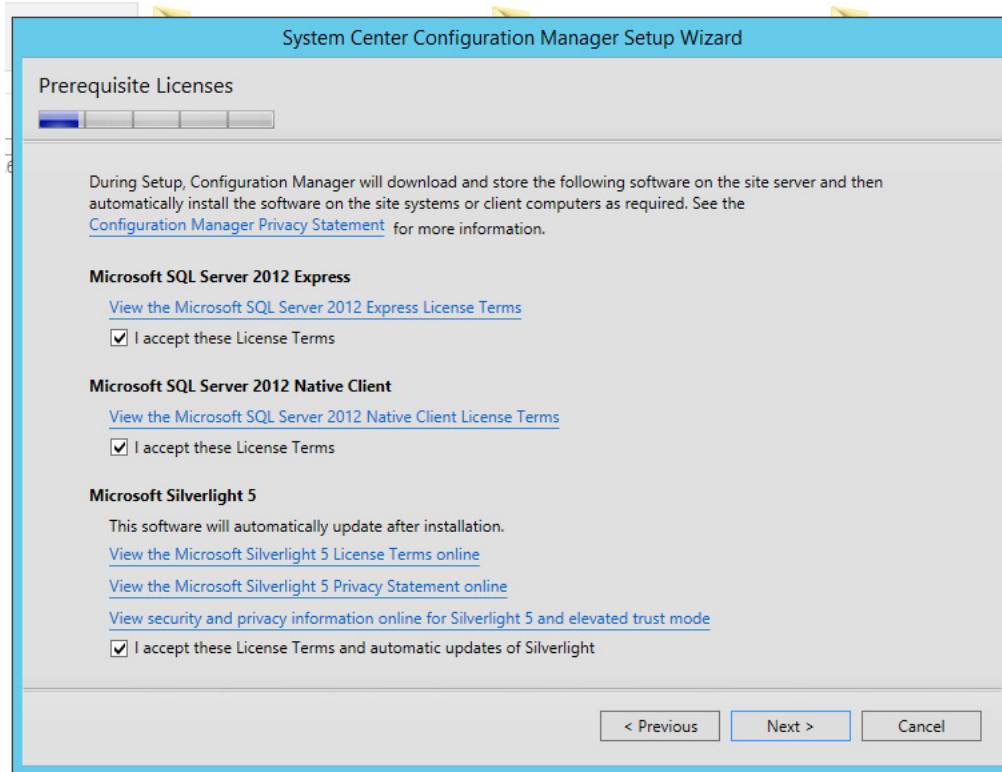
Enter Licence Key here



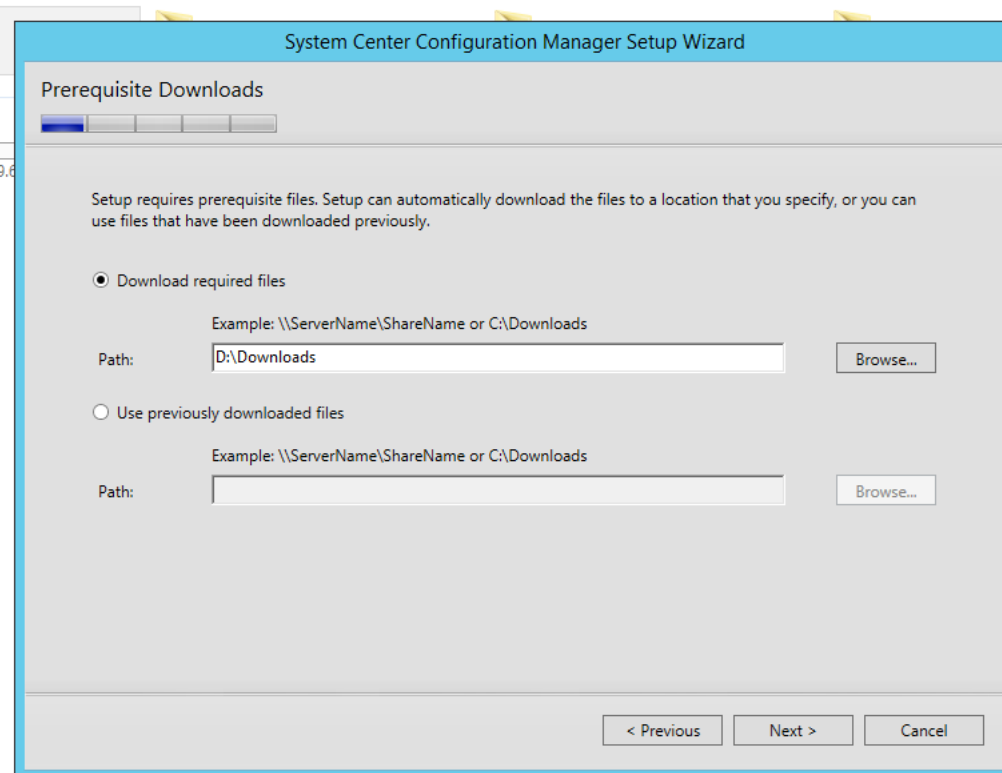
Accept the Licence Agreement and click Next



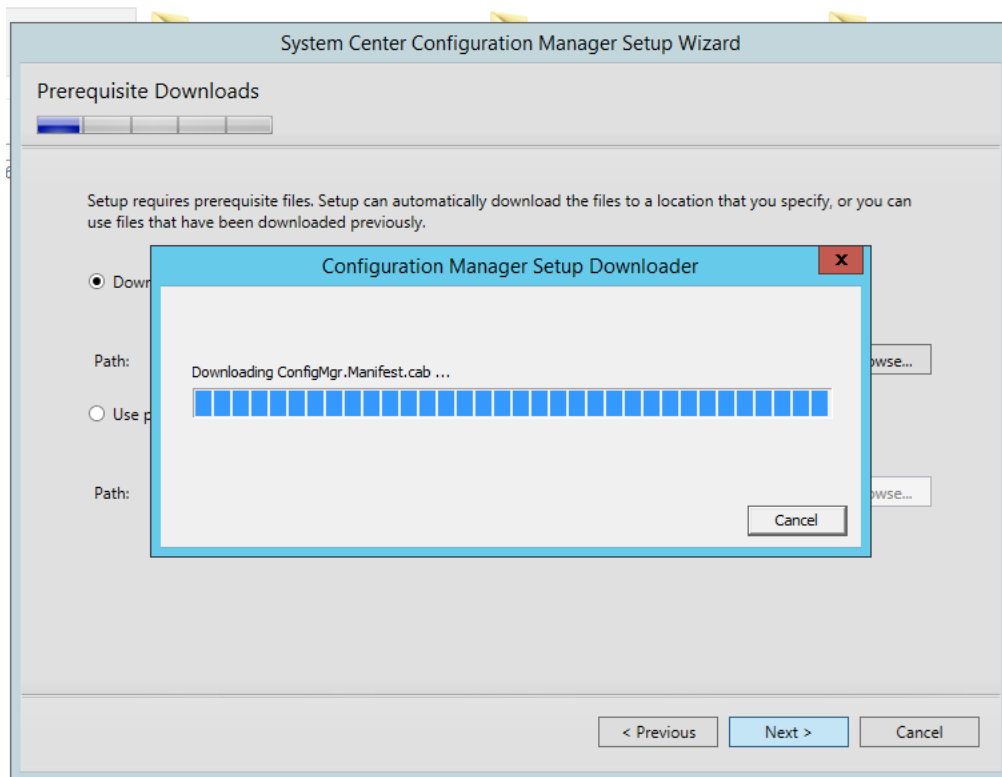
Accept the 3 License And Term agreements and click next



Create a folder on your SCCM drive called downloads to enter here



Click Next



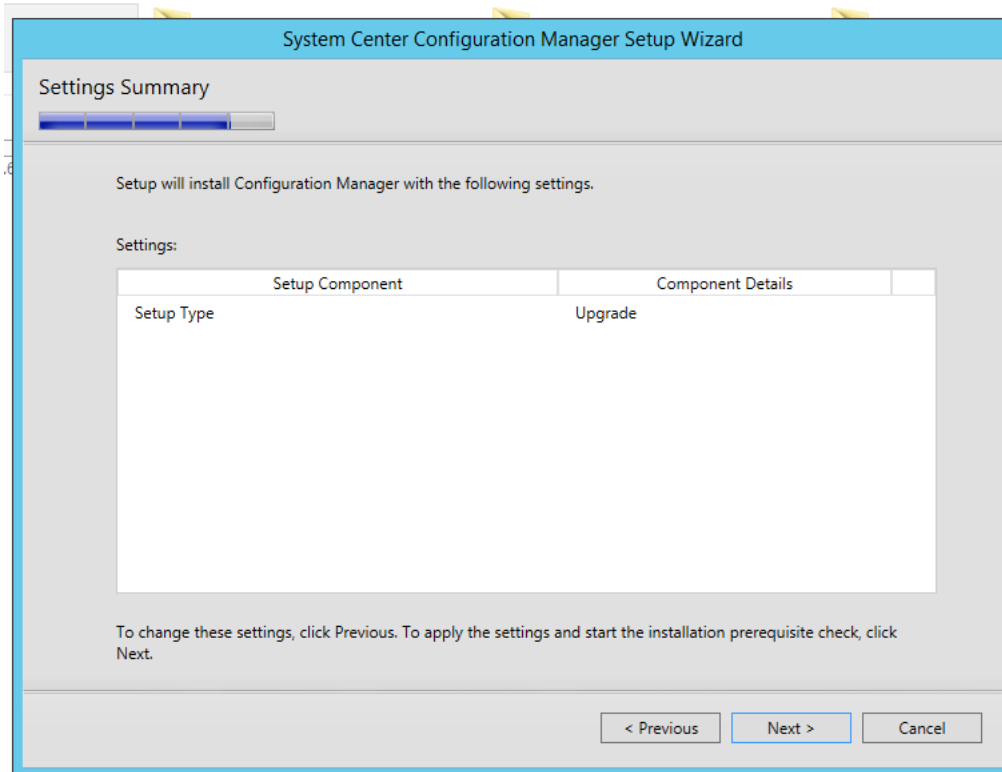
Sccm will begin to download files for installation

This can take some time depending on your server and internet speed.

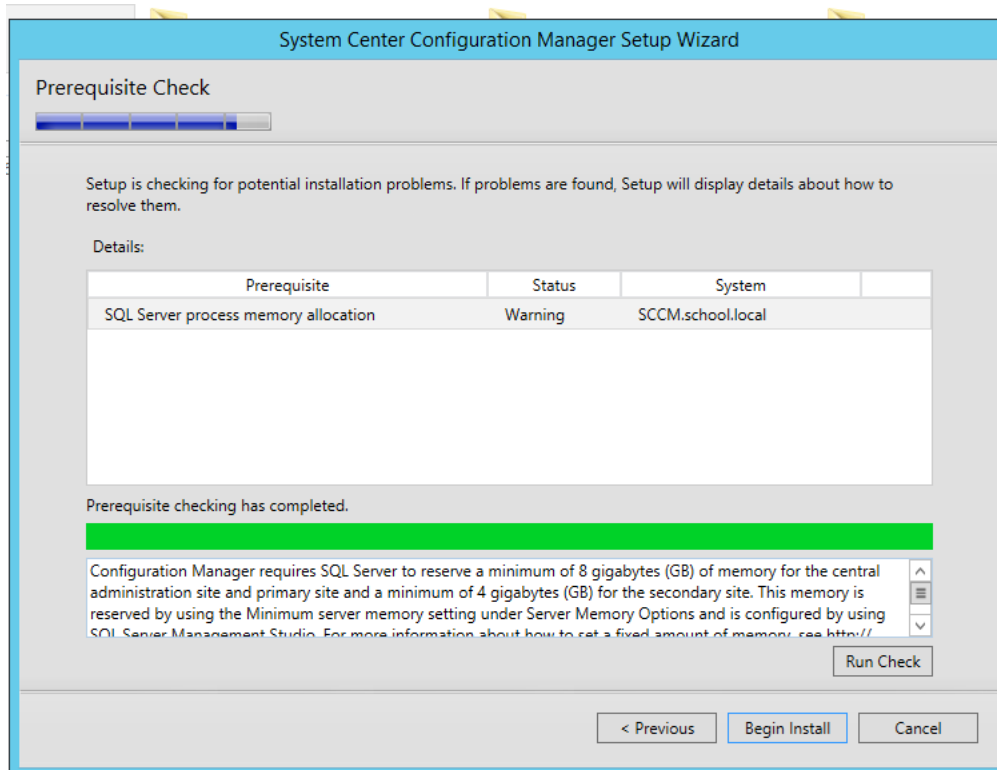


Make sure English is checked and click on “next” then English and “next” again

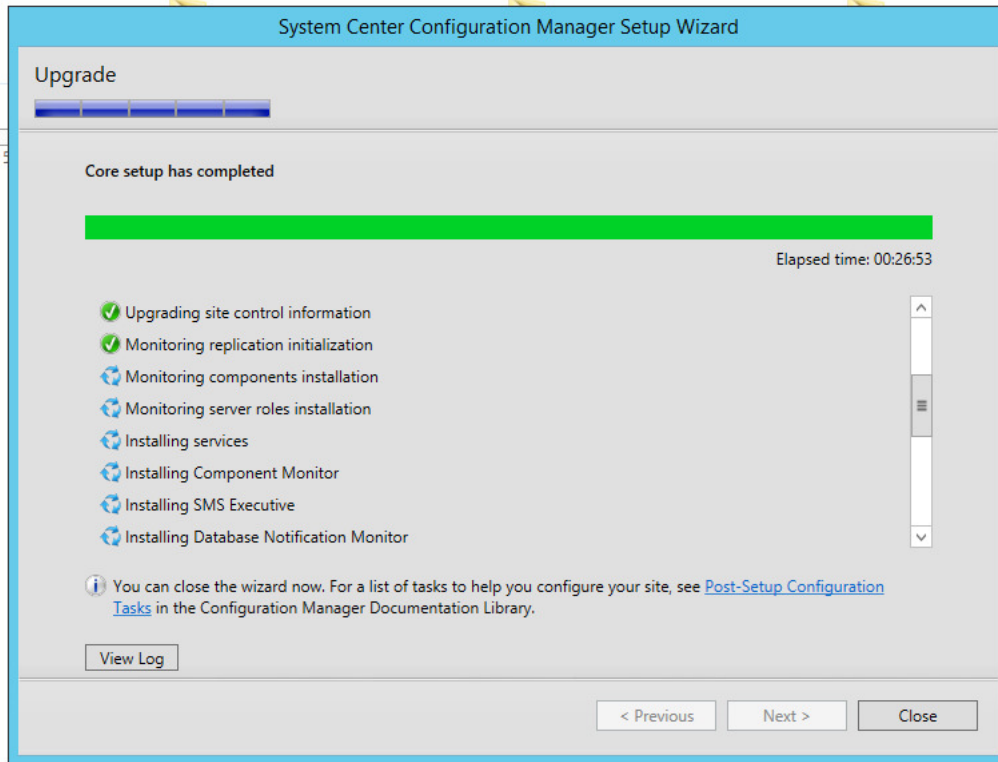




Make sure “Setup Type” is “upgrade” then click “Next”



The system will run a Prerequisite Check – The warning above is the most common. As long as you do not have errors or more than one or two warnings click “Begin Install”



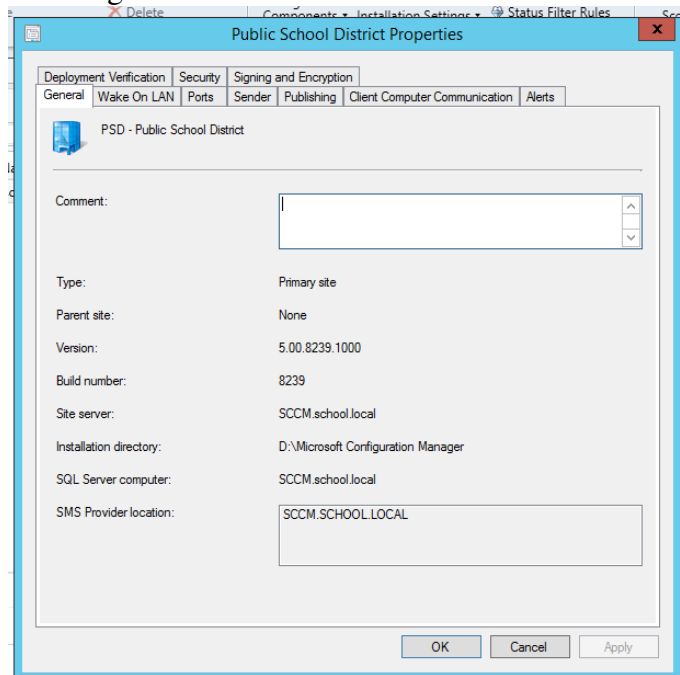
You will get a “Core Setup Completed” and “View Log” as well as “Close”.

Click “View Log”

Make Sure =====Completed Configuration Manager 2012 Server Setup Upgrade=====

Click Close and open Configuration manager

Use the directions listed in Page 01 to check the new Build Number



Match The Build number up with the information on pages four and five.

In this example we are at build 2012R2sp2

Check that your new boot.wim files are green and distributed. If not Re-distribute the Boot.wim. They should display that days date and time.

The screenshot shows the SCCM console interface for a boot image. The main table lists two boot images:

Icon	Name	Version	Comment	Image ID	OS Version
	Boot image (x64)	10.0.10240.16384		PSD00005	10.0.10240.16384
	Boot image (x86)	10.0.10240.16384		PSD00004	10.0.10240.16384

Below the table, the details for the selected 'Boot image (x64)' are shown:

- Comment:
- Architecture: X64
- Version: 10.0.10240.16384
- Language: Invariant Language (Invariant Country)

On the right side, there is a green circle icon and the text '1 Targeted (Last Update: 5/27/2016 11:21 AM)'.

Check in Configuration Manager under “Monitoring” / “System Status” / “Component status” Make sure you have all Green Check Boxes.

The screenshot shows the 'Component Status' view in the SCCM console. The left-hand navigation pane is expanded to 'Monitoring' > 'System Status' > 'Component Status'. The main area displays a table with 63 items, all of which have a green checkmark in the 'Status' column, indicating they are all healthy.

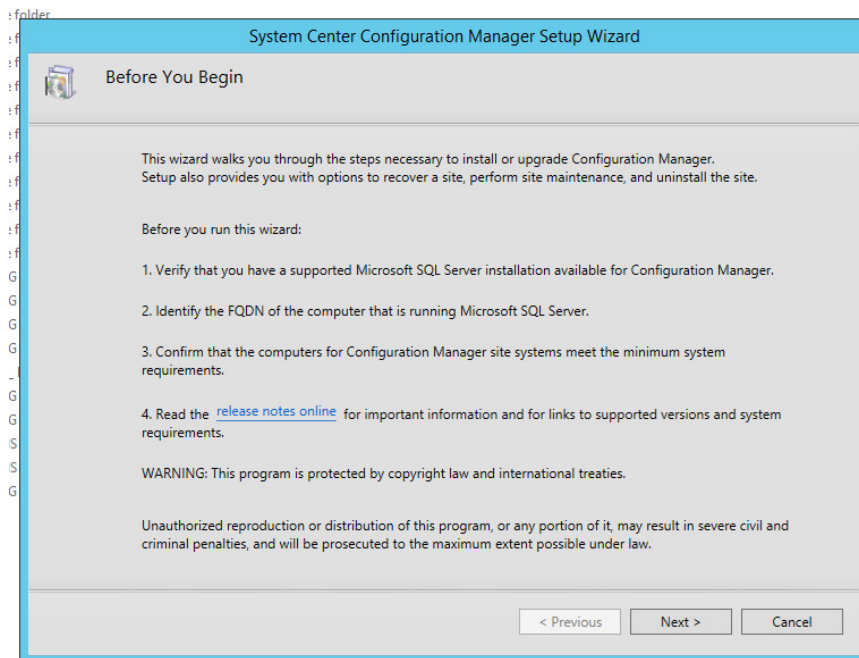
Icon	Status	Component	Site System	Type	Site Code	Availability
	OK	SMS_PORTALWEB_CONTROL_MANAGER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_POLICY_PROVIDER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_PACKAGE_TRANSFER_MANAGER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_PROVIDERS	SCCM.SCHOOLLO...	Unknown	PSD	Unknown
	OK	SMS_RULE_ENGINE	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_REPLICATION_MANAGER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_REPLICATION_CONFIGURATION_MONITOR	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_OUTBOX_MONITOR	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_NOTIFICATION_SERVER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_NOTIFICATION_MANAGER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_NETWORK_DISCOVERY	SCCM.SCHOOLLO...	Unmonitored Thread...	PSD	Offline
	OK	SMS_OBJECT_REPLICATION_MANAGER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_OFFLINE_SERVICING_MANAGER	SCCM.SCHOOLLO...	Unmonitored Thread...	PSD	Offline
	OK	SMS_OFFER_STATUS_SUMMARIZER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_OFFER_MANAGER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_SCHEDULER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_STATUS_MANAGER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_STATE_SYSTEM	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_SRS_REPORTING_POINT	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_WINNT_SERVER_DISCOVERY_AGENT	SCCM.SCHOOLLO...	Unmonitored Thread...	PSD	Offline
	OK	WINDOWS_INTUNE_SERVICE	SCCM.SCHOOLLO...	Component Not Instal...	PSD	Online
	OK	SMS_WSUS_SYNC_MANAGER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_WSUS_CONFIGURATION_MANAGER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_SOFTWARE_METERING_PROCESSOR	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online
	OK	SMS_SITE_CONTROL_MANAGER	SCCM.SCHOOLLO...	Monitored Thread Co...	PSD	Online

Move Forward with the Upgrade Process.

Close Configuration Manager and load the .iso for SCCM\_1511

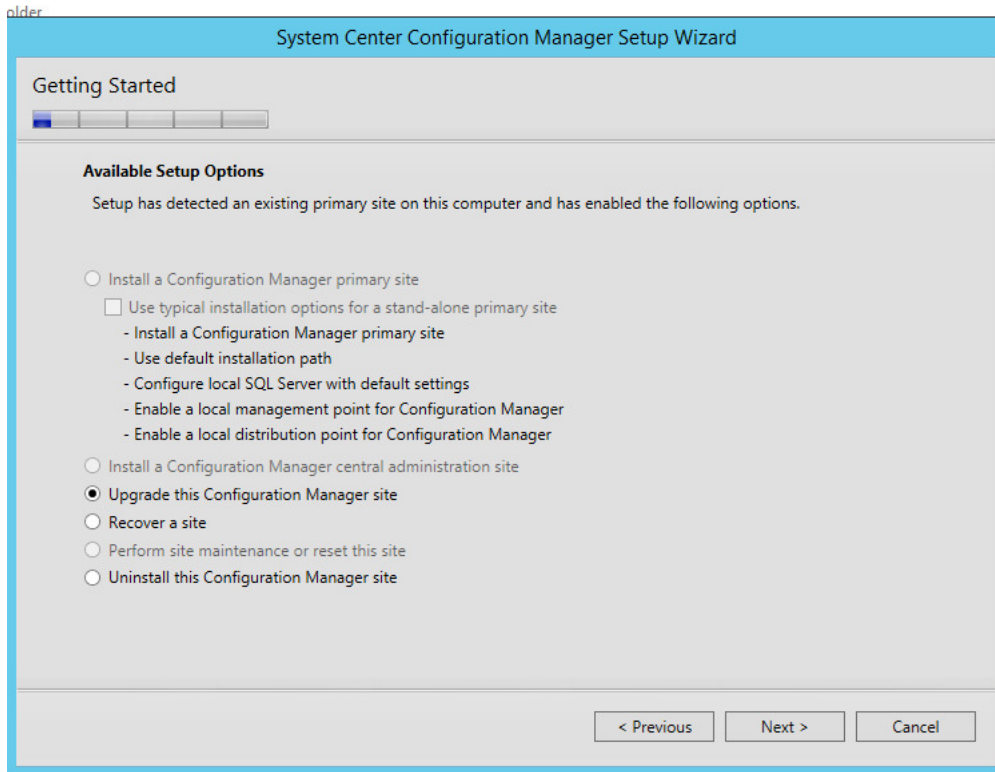


Click "Install"

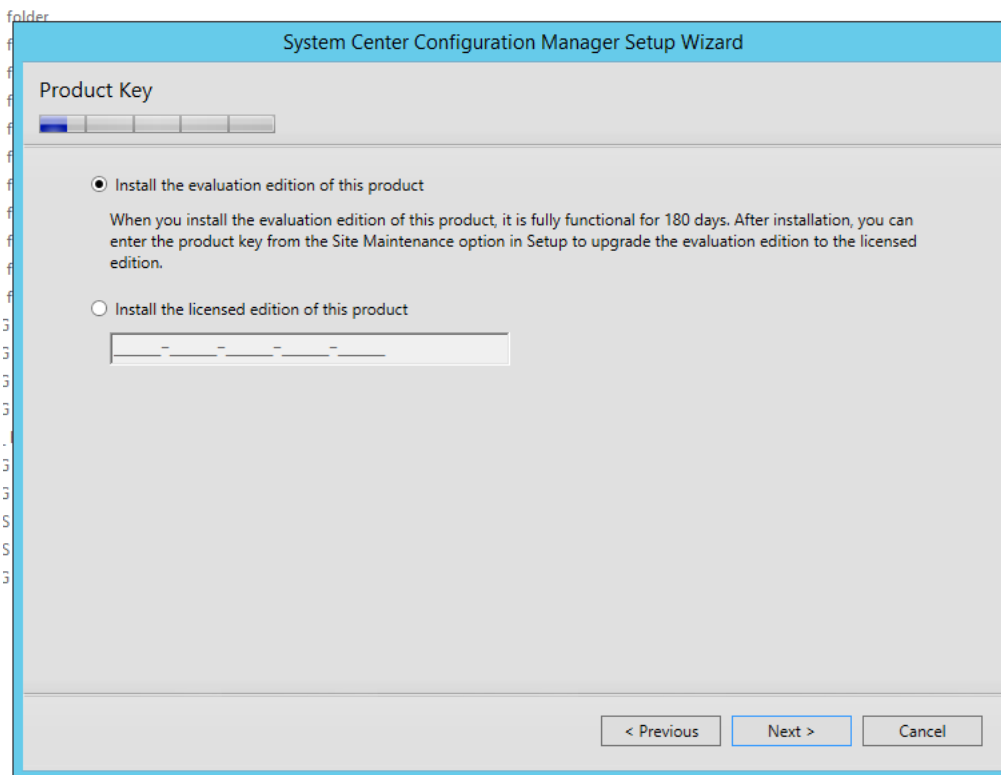


Click "Next"

Make sure that “Upgrade this Configuration Manager Site” is checked

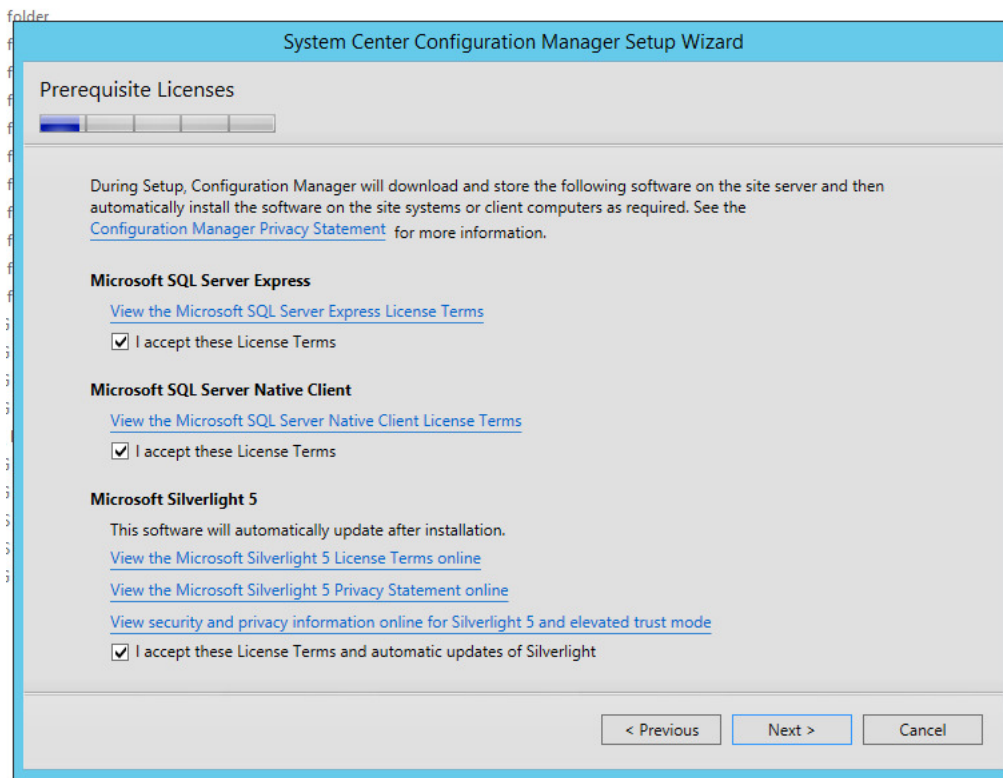
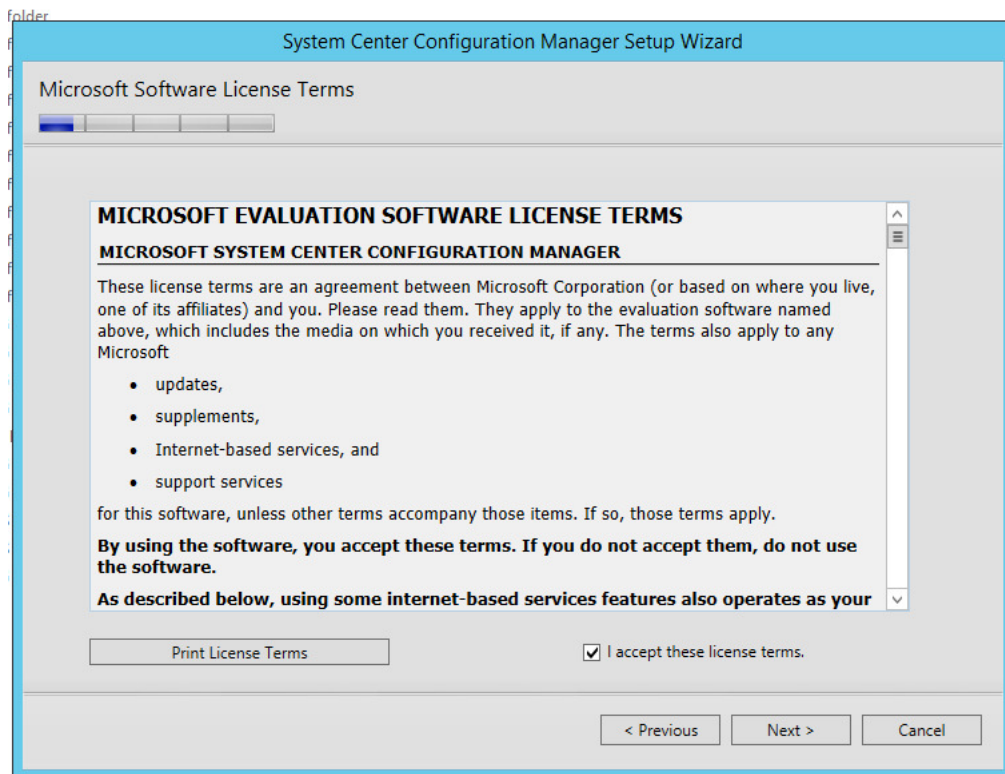


Click “Next”

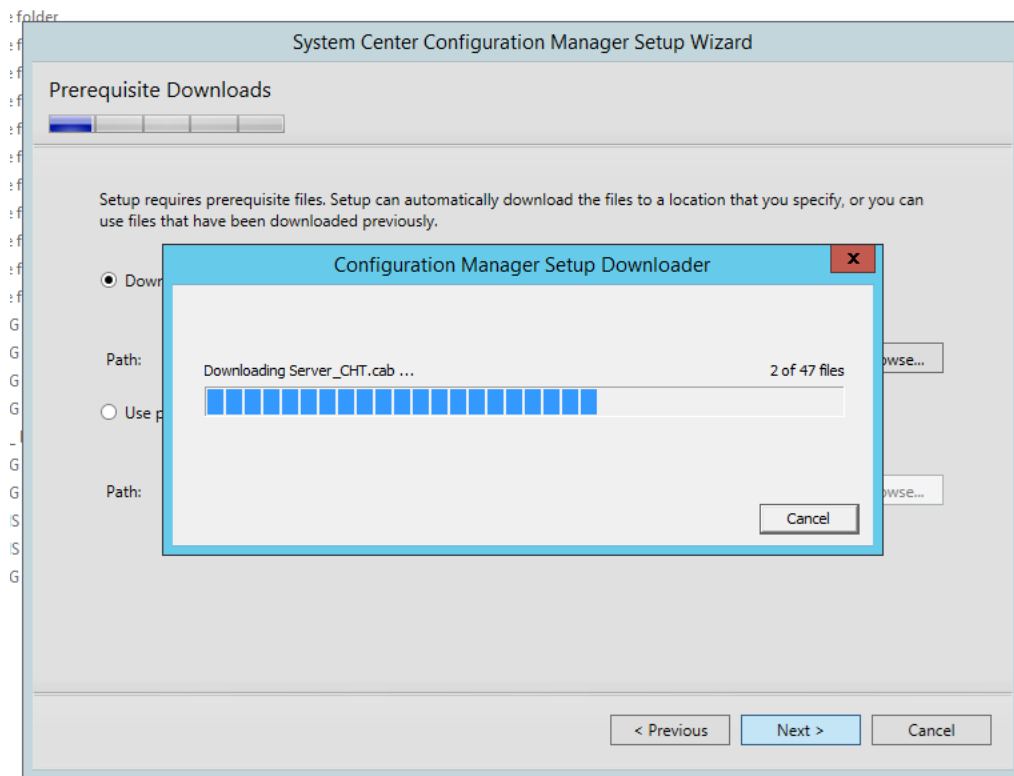


Enter the Product Key and click “Next”

## Accept all Licence Agreements

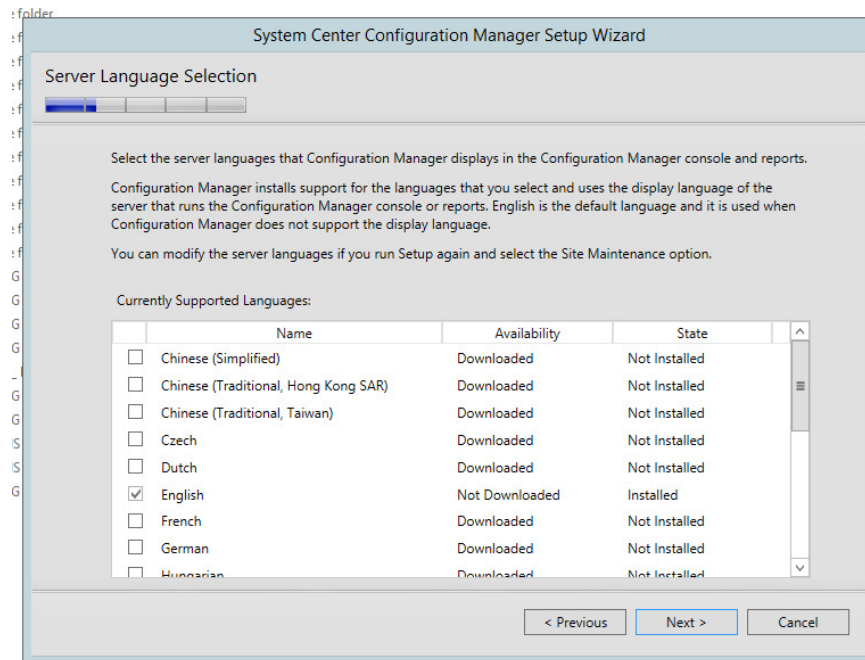


Create and Provide a Download Path for the Installation files.  
Click “Next” – The downloader will begin to download files.



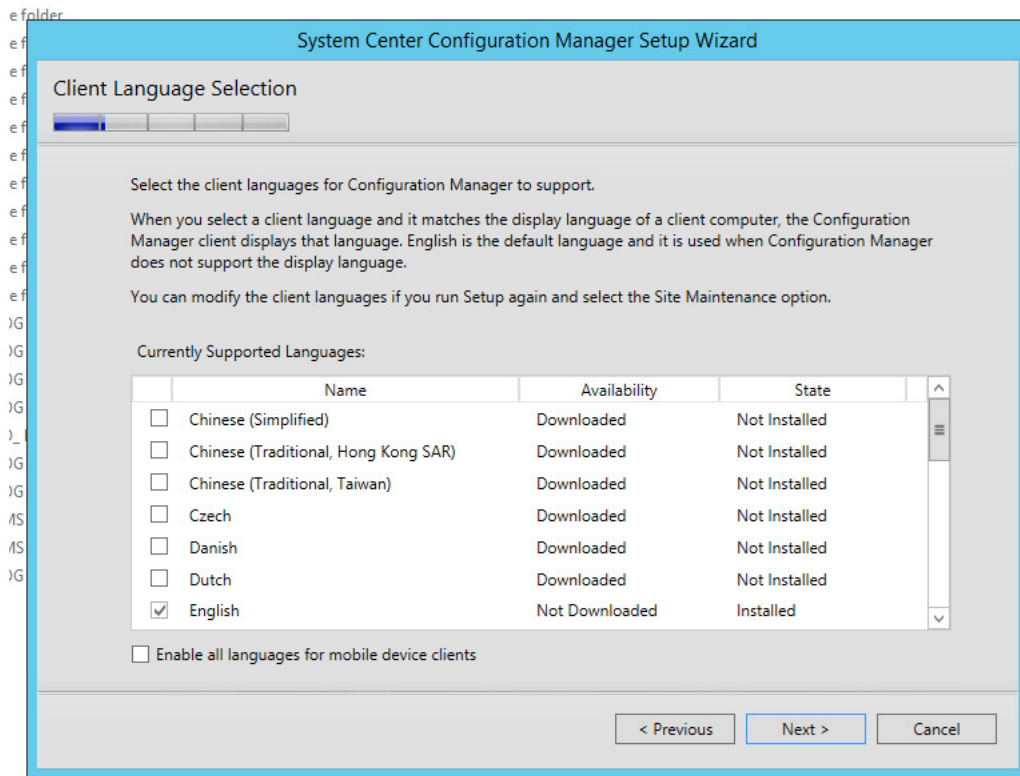
Sccm will begin to download files for installation

This can take some time depending on your server and internet speed.

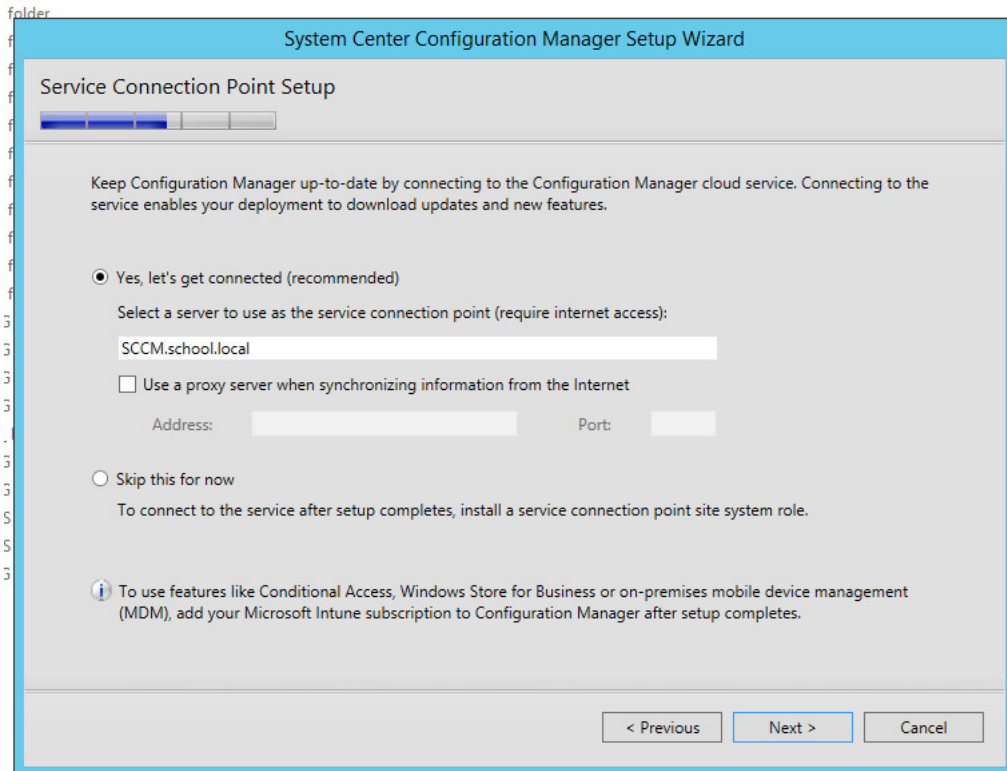


Click “Next” – Making Sure only English is Checked



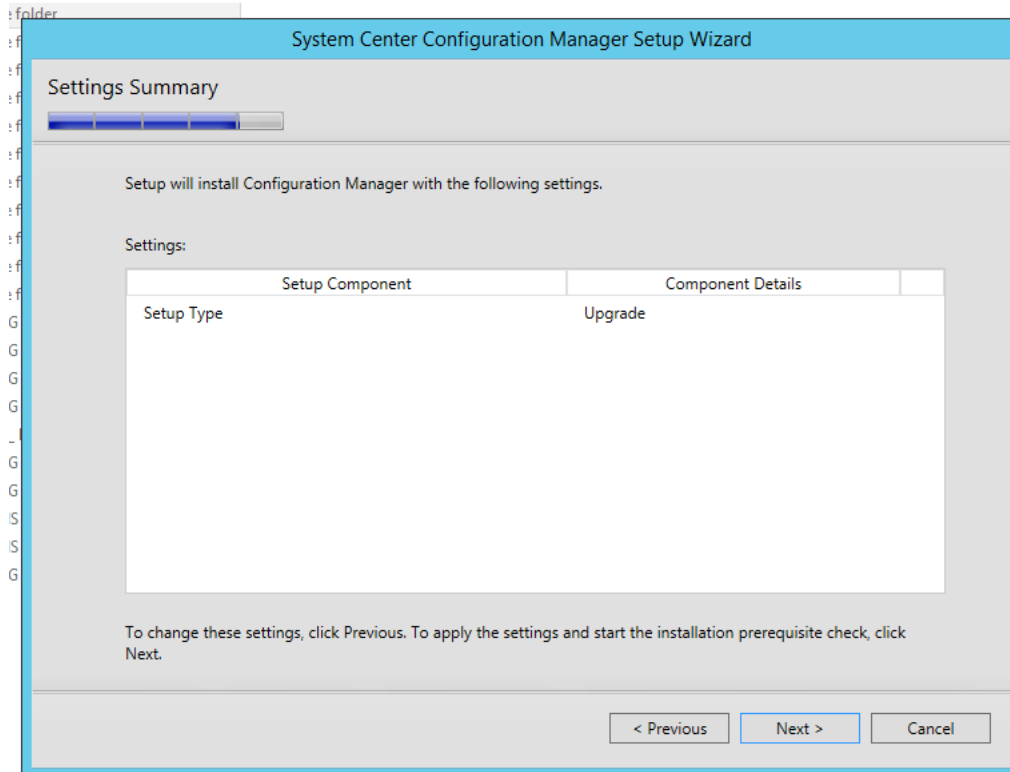


Click “Next” – Making Sure only English is Checked  
 Click “Next” – Click Next Until You Get to the Screen Below

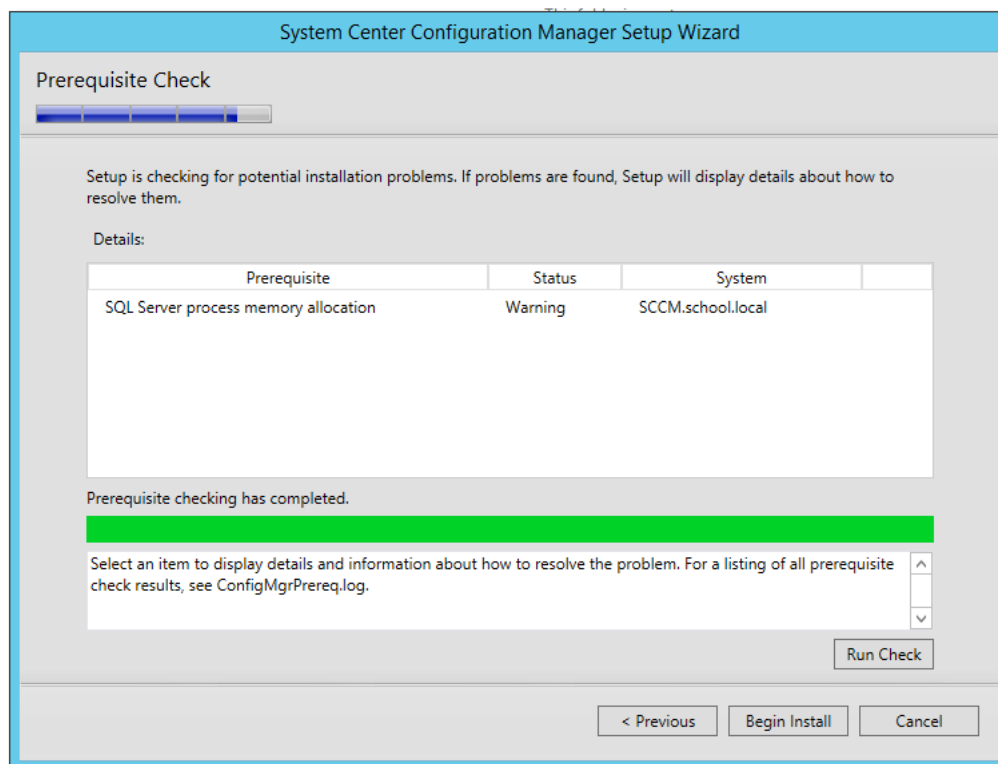


Make Sure Your Server Is Listed and “Yes” is Checked, Click “Next”

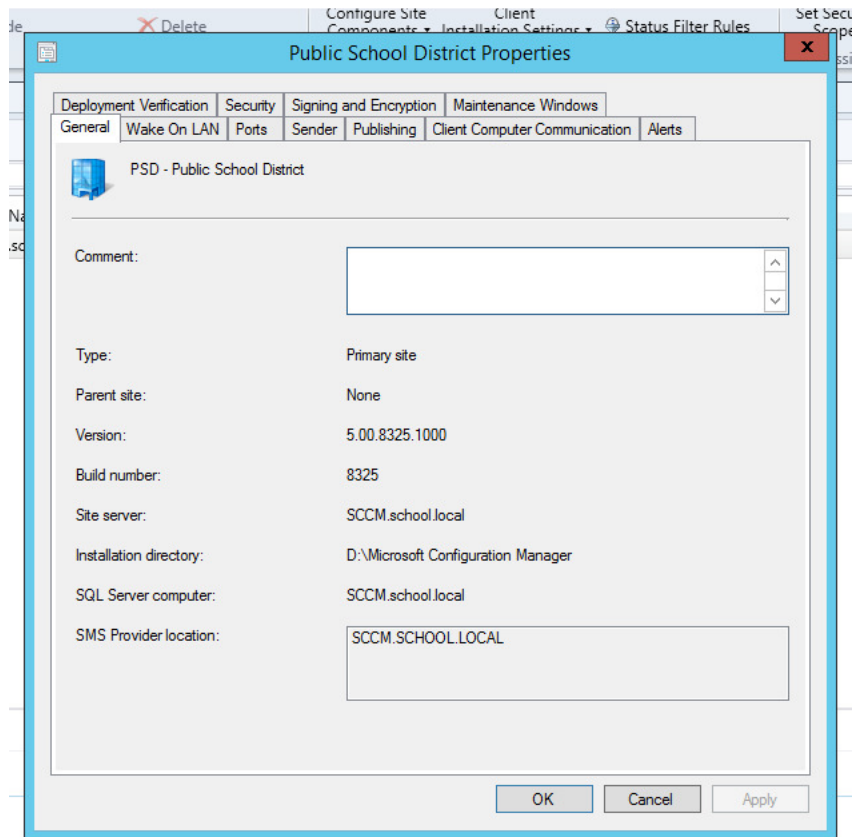




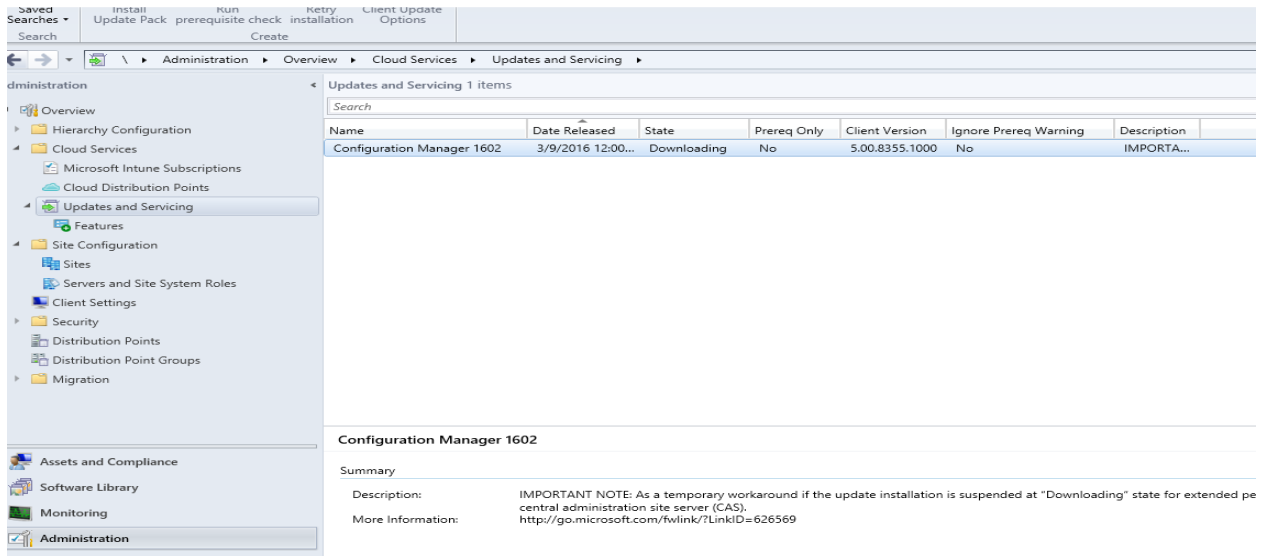
Make sure “Setup Type” is “upgrade” then click “Next”



The system will run a Prerequisite Check – The warning above is the most common. As long as you do not have errors or more than one or two warnings click “Begin Install”



As seen on pages four and five, 5.00.8325.1000 = SCCM 1511  
 After the install has completed, repeat the same processes as on pages 15 and 16.  
 All Updates after SCCM 1511 are done through the Configuration Manager Console  
 - Administration / Cloud Services / Updates and Servicing



Administration

Administration > Overview > Cloud Services > Updates and Servicing

Updates and Servicing 1 items

Name	Date Released	State	Prereq Only	Client Version	Ignore...	Description
Configuration Manager 1602	3/9/2016 12:00 AM	Checking prerequisites	No	5.00.8355.1000	No	IMPORTANT NOTE:

Configuration Manager 1602

Summary

Description: IMPORTANT NOTE: As a temporary workaround if the update installation is suspended at "Downloading" state for extended period of time, restart the SMS central administration site server (CAS).

More Information: <http://go.microsoft.com/fwlink/?LinkID=626569>

Summary Features

“Right Click” the update and choose “Run Prerequisite Check” – A prerequisite check will run. If all prerequisites check out fine, simply right click again and choose “Install Update Pack”

After the install the update is gone and you are completely upgraded to SCCM 1602

THINGS TO NOTE

SCCM2012 or SCCM2012R2, ADK 8

- Uninstall ADK 8. Install ADK 8.1. Install the Next version above your build number.
- Check the view log button to make sure the install is completed.
- Open up configuration manager and check your applications and boot.wim files.
- Make sure they now have the new build number as well as the date of install.
- Open a device collection and right click in the columns, choose Client Version to be seen beside the devices.
- Make sure that under Monitoring / You see all Green Checks
- Uninstall ADK 8.1 Install ADK 10.02 (DO NOT USE ADK 10\_1511).
- Install the Next Version which should be SP2 or higher.
- Do NOT uninstall ADK 10.02
- Install SCCM\_1511
- Check the view log button to make sure the install is completed.
- Open up configuration manager and check your applications and boot.wim files.
- Make sure they now have the new build number as well as the date of install.

After SCCM 1511 has successfully installed ALL UPDATES ARE DONE THROUGH  
ADMINISTRATION / SOFTWARE UPDATES

- Use the software update that is now included under “Administration”
- Right Click the software update and run Prerequisite check
- If the Prerequisite check passes, right click and go to update.