# Department of Information Systems
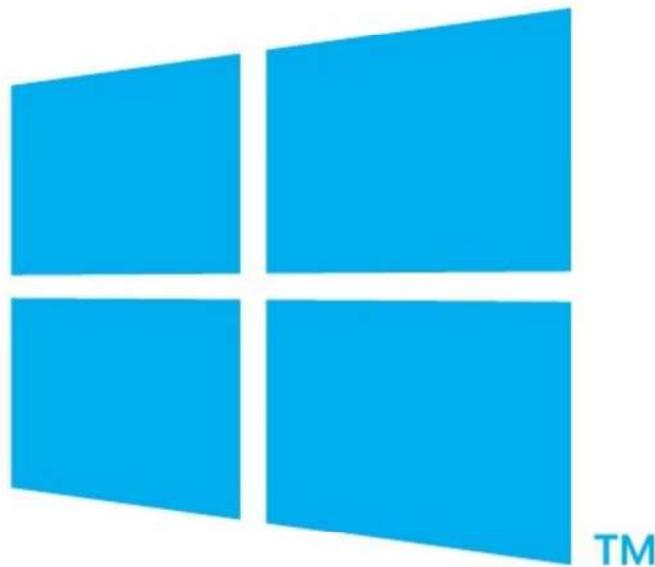
Arkansas. A State of Technology.



# UPGRADING YOUR 2012 SCCM

Prepared By
DIS APSCN/LAN Support

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

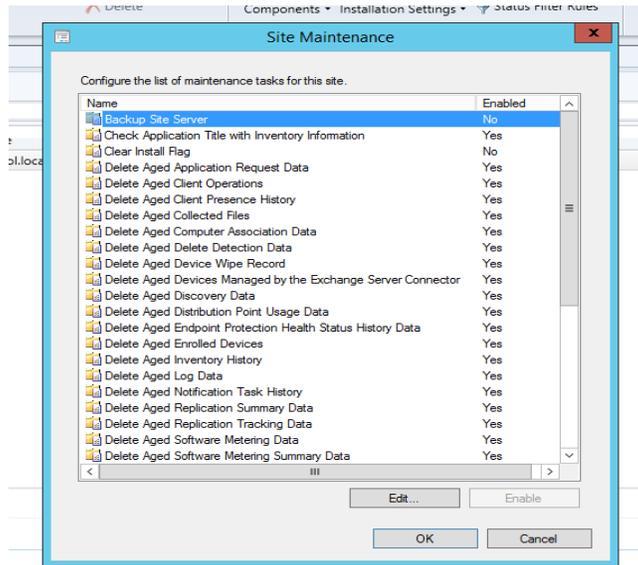03. Your Site Build and Version information will be displayed.
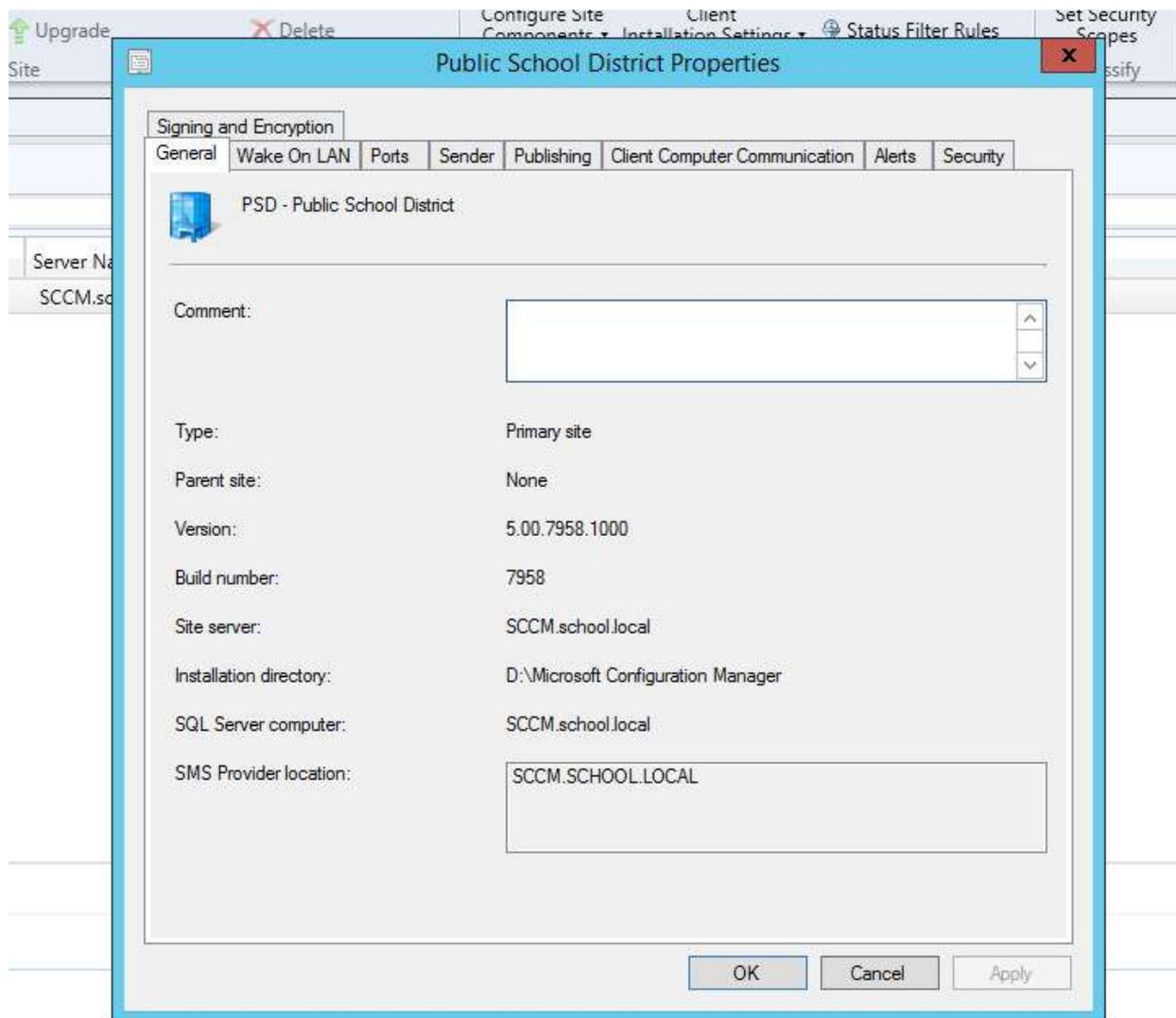
# Setup Site Backup

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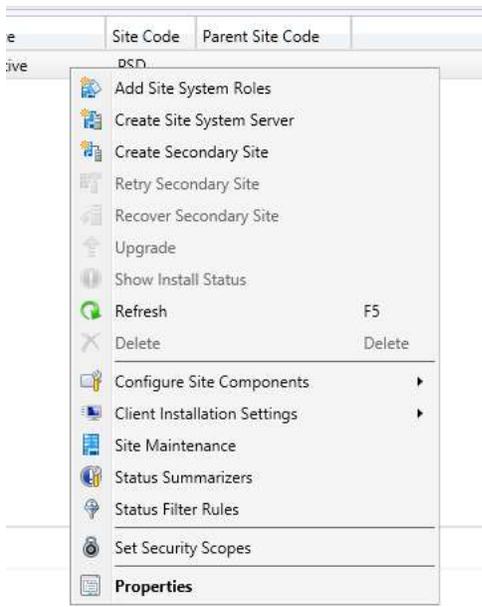


03. Navigate to Site Mainenance

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

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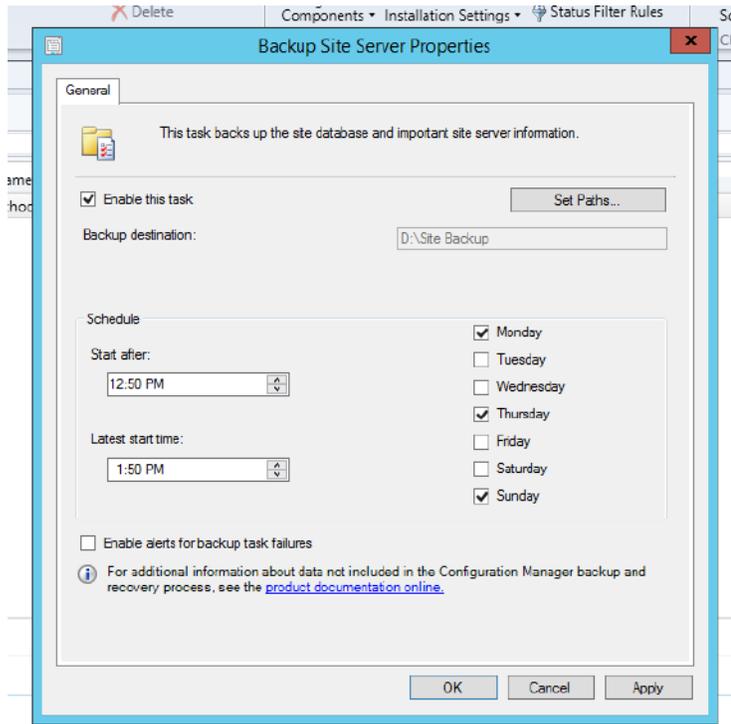
10. After the backup is complete you should see a folder similar to the below illustration.
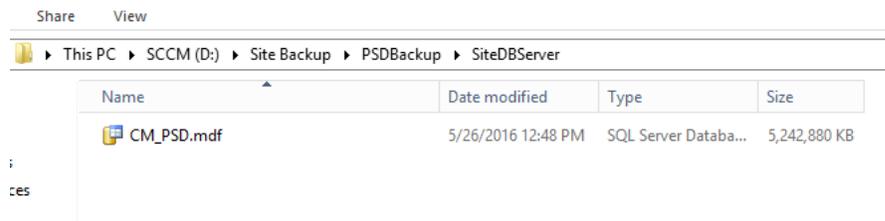


The backup will create the following folders and file on the server or share you chose for the backup( PSDBackup, SiteDRServer, CM_PSD.mdf )

## 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 | KB2717295 | N/A |
| SCCM 2012 RTM – CU2 | 5.00.7711.0301 | 7711 | KB2780664 | N/A |
| SCCM 2012 SP1 | 5.00.7804.1000 | 7804 | N/A | N/A |
| SCCM 2012 SP1 – CU1 | 5.00.7804.1202 | 7804 | KB2817245 | N/A |
| SCCM 2012 SP1 – CU2 | 5.00.7804.1300 | 7804 | KB2854009 | N/A |
| SCCM 2012 SP1 – CU3 | 5.00.7804.1400 | 7804 | KB2882125 | N/A |
| SCCM 2012 SP1 – CU4 | 5.00.7804.1500 | 7804 | KB2922875 | N/A |
| SCCM 2012 SP1 – CU5 | 5.00.7804.1600 | 7804 | KB2978017 | N/A |
| SCCM 2012 R2 | 5.00.7958.1000 | 7958 | N/A | Installation guide |
| SCCM 2012 R2 – CU1 | 5.00.7958.1203 | 7958 | KB2938441 | N/A |
| SCCM 2012 R2 – CU2 | 5.00.7958.1303 | 7958 | KB2970177 | Upgrade guide |
| SCCM 2012 R2 – CU3 | 5.00.7958.1401 | 7958 | KB2994331 | Upgrade guide |
| SCCM 2012 R2 – CU4 | 5.00.7958.1501 | 7958 | KB3026739 | Upgrade guide |
| SCCM 2012 R2 – CU5 | 5.00.7958.1604 | 7958 | KB3054451 | Upgrade guide |
| SCCM 2012 R2 SP1 | 5.00.8239.1000 | 8239 | N/A | Upgrade guide |
| SCCM 2012 R2 SP1 – CU1 | 5.00.8239.1203 | 8239 | KB3074857 | Upgrade guide |
| SCCM 2012 R2 SP1 – CU2 | 5.00.8239.1301 | 8239 | KB3100144 | Upgrade guide |
| SCCM 2012 R2 SP1 – CU3 | 5.00.8239.1403 | 8239 | KB3135680 | Upgrade guide |
| SCCM 1511 | 5.00.8325.1000 | 8325 | N/A | Installation guide / Upgra |
| SCCM 1602 | 5.00.8355.1000 | 8355 | N/A | Upgrade guide |

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 uppgrading to SCCM 1511 – ADK 10

SW_DVD5_Sys_Ctr_ConfigMgrClt_ML_1511_MultiLang_ConfMgr_MLF_X20-81134.ISO


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

# Uninstall ADK

1. To uninstall Adk navigate on the sccm server with configuration manager CLOSED to Control Panel / Programs and features/. Windows **A**cessment and **D**evelopment **k**its are listed in the istalled 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 Devlopment 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_sp2\SW_DVD5_Sys_Ctr_ConfigMgr_and_Endpnt_Prtctn_2012w_SP2_Multi
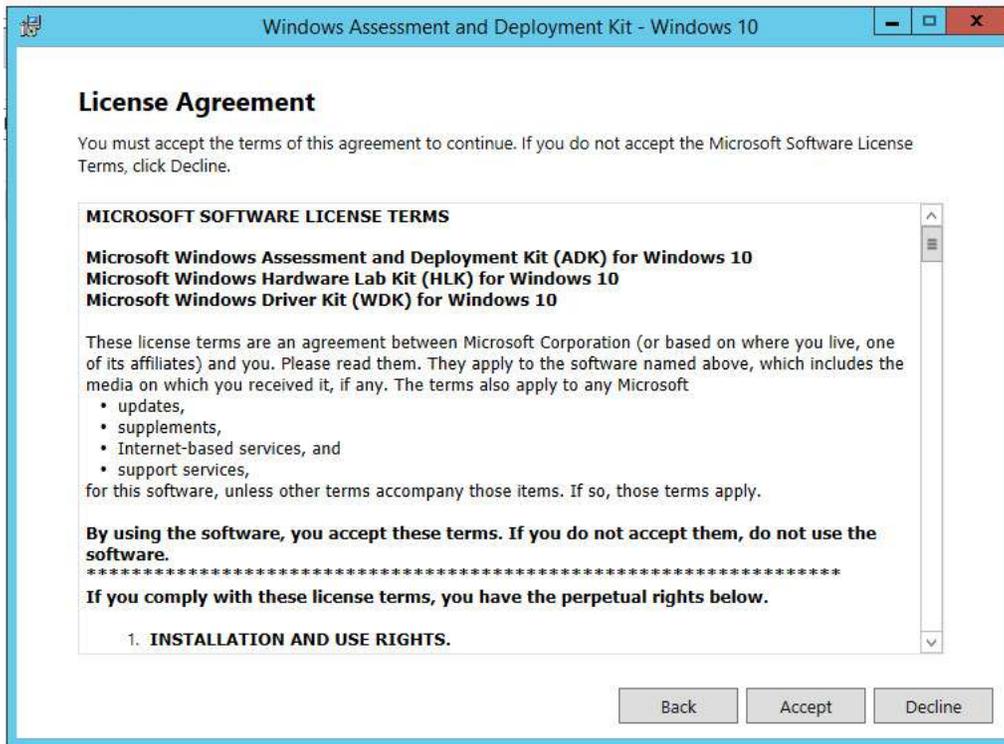Lang_MLF_X20-21849.ISO
ADK 10 has 2 versions available on the net. ADK 10 1511 is known to have bugs.
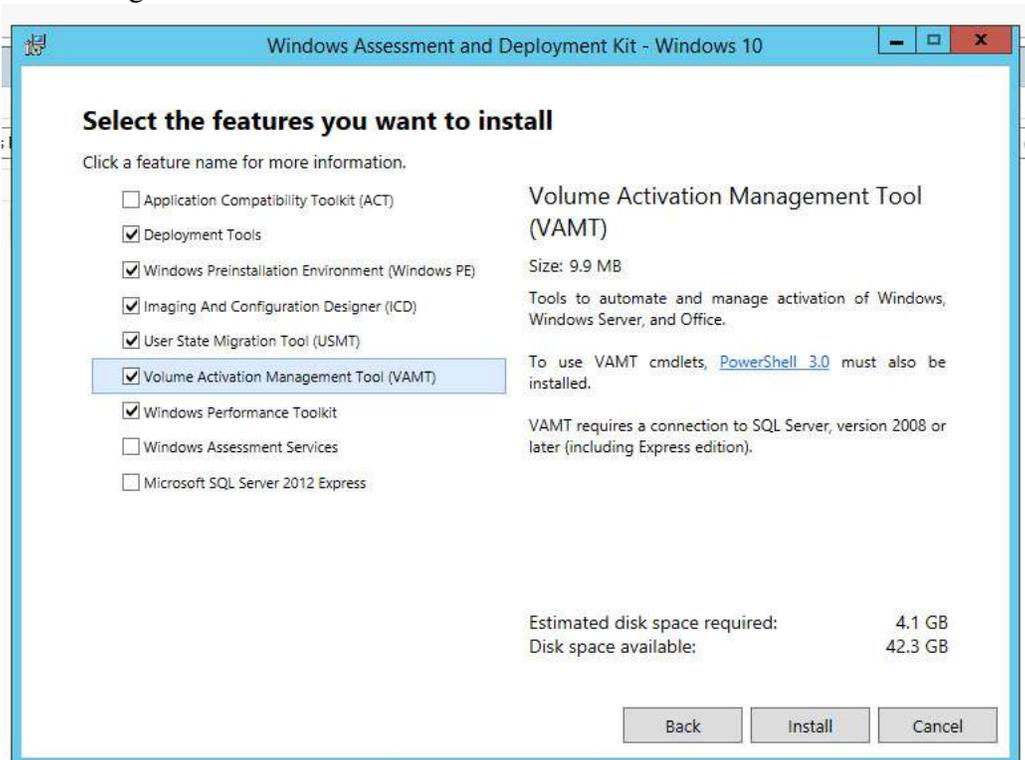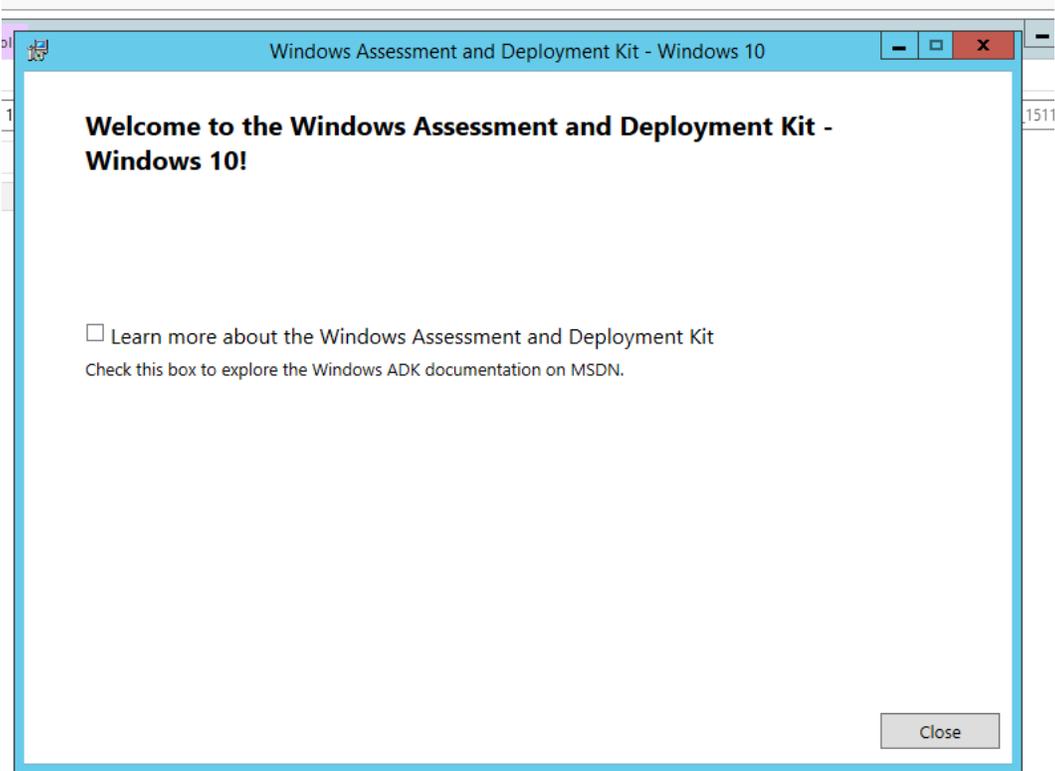The Version of ADK 10 to use for upgrades is: ADK 10 Version 10.0.26624.0
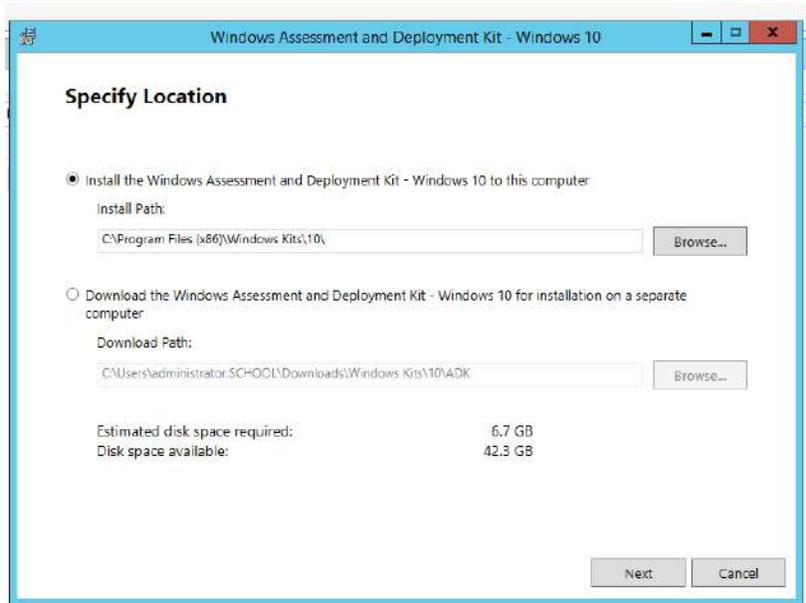
Next….



No / Next

Accept Licence Agreement



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

Windows Assessment and Deployment Kit - Windows 10

**Welcome to the Windows Assessment and Deployment Kit - Windows 10!**

☐ Learn more about the Windows Assessment and Deployment Kit

Check this box to explore the Windows ADK documentation on MSDN.

Close

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 Confugation Manager Site) is checked and click "next"

Enter Licence Key here
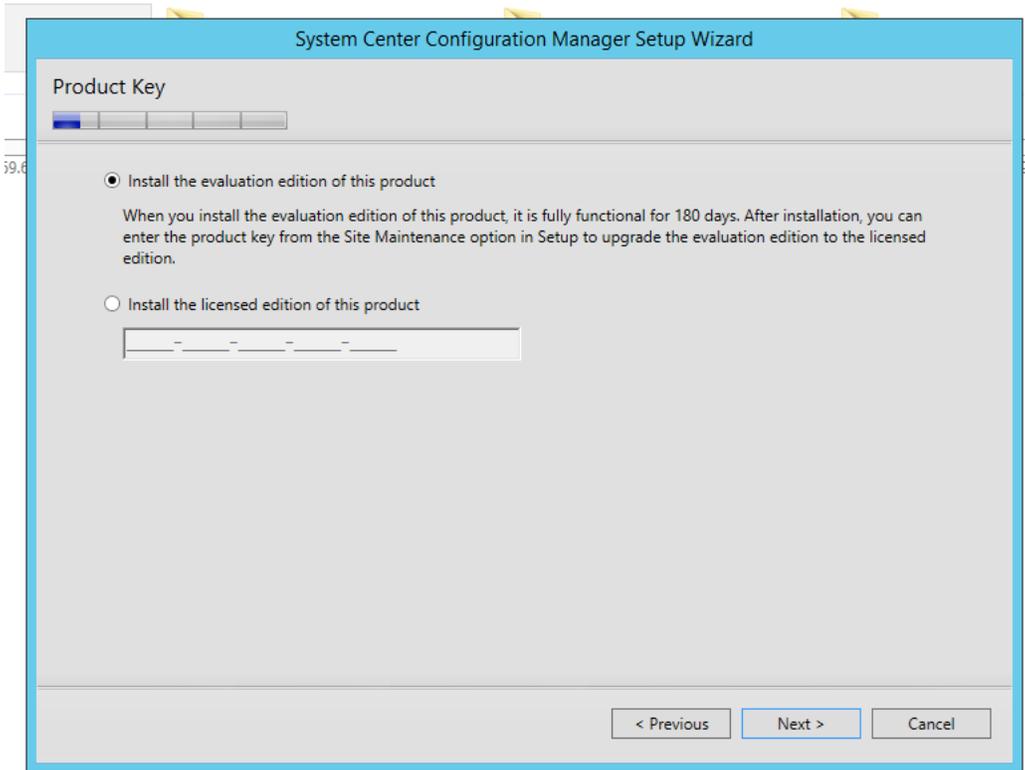


Accept the Licence Agreement and click Next
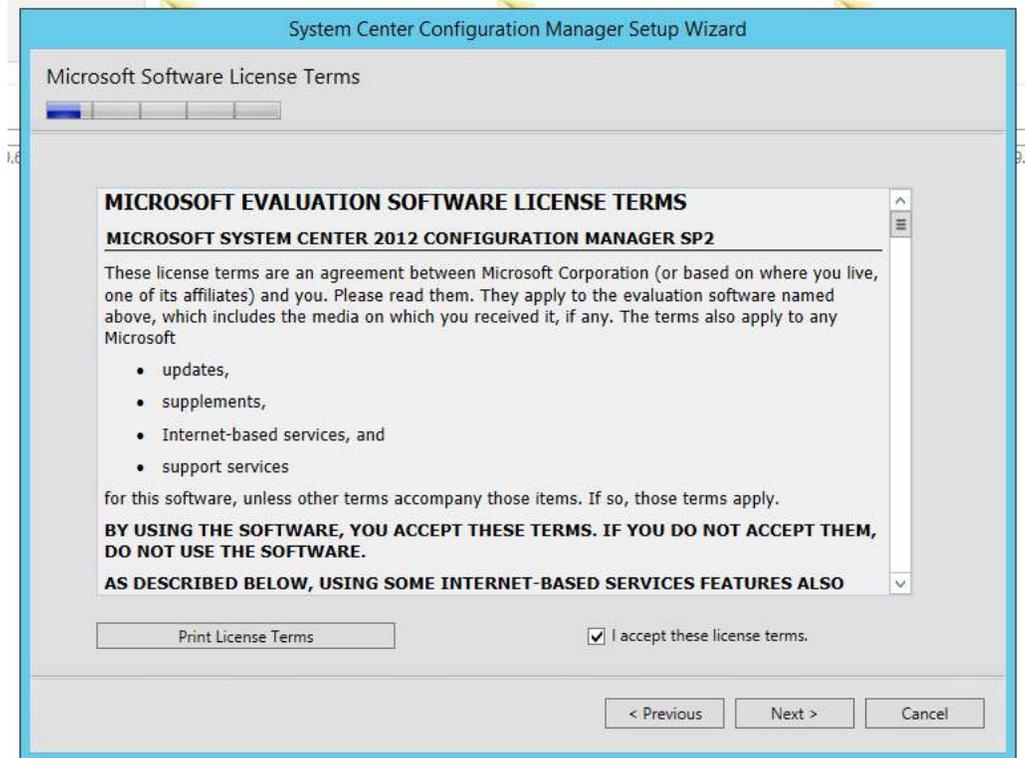
Accept the 3 License And Term agreements and click next



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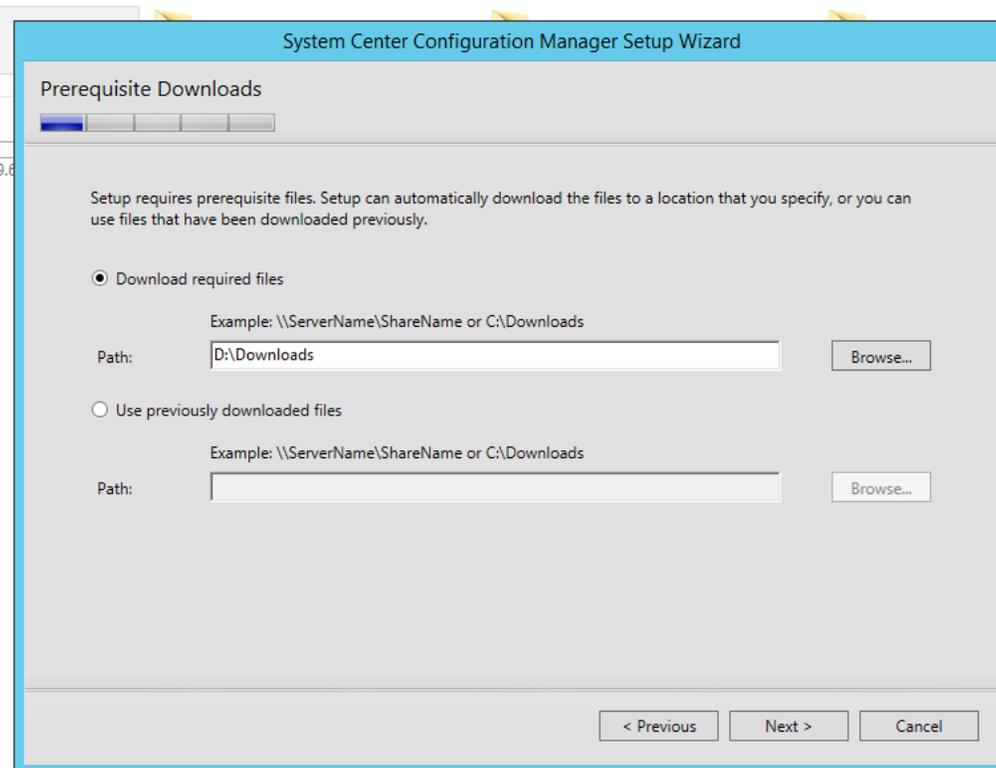


Click Next
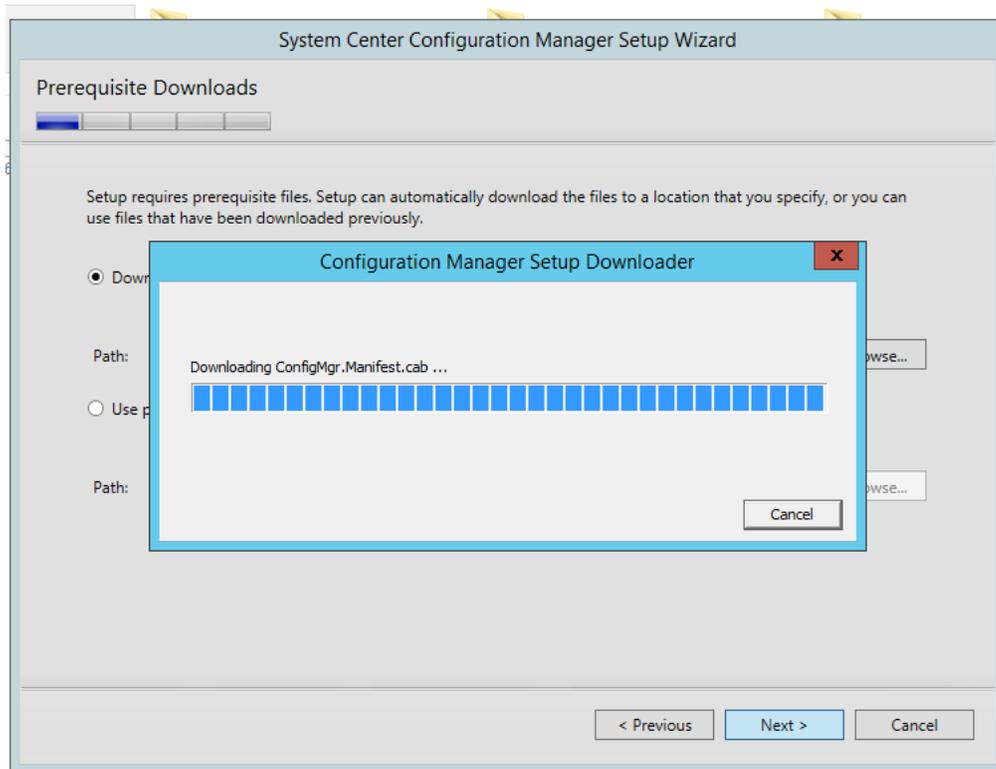
Sccm will begin to download files for installation

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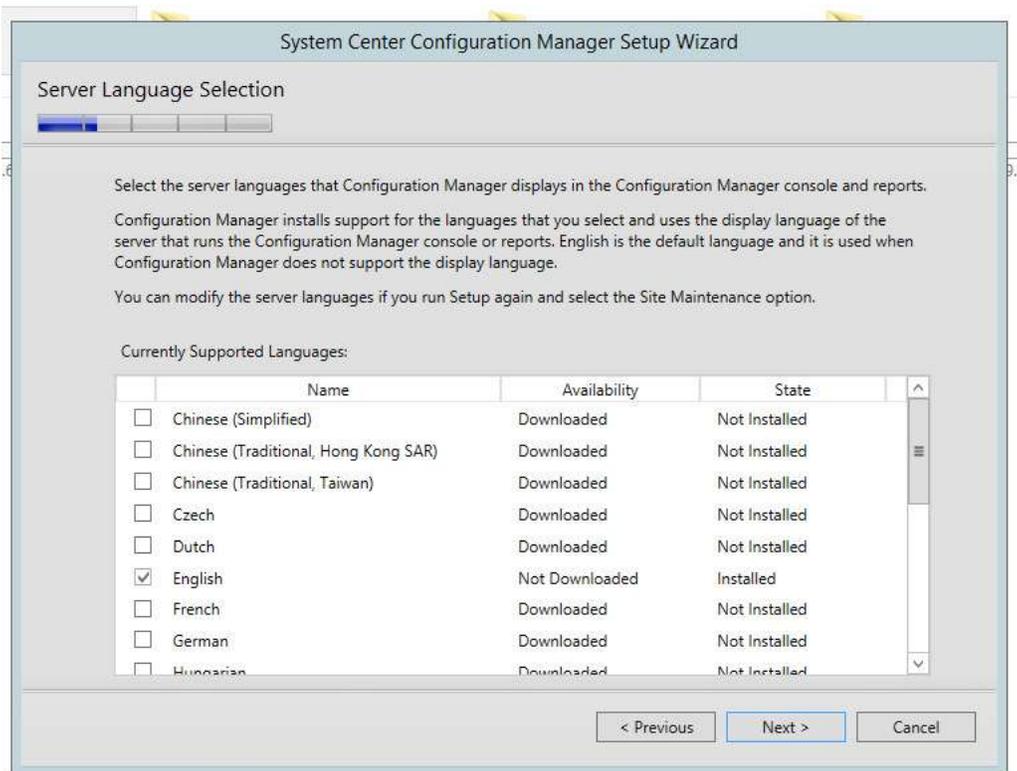


Make sure English is checked and click on "next" then English and "next" again
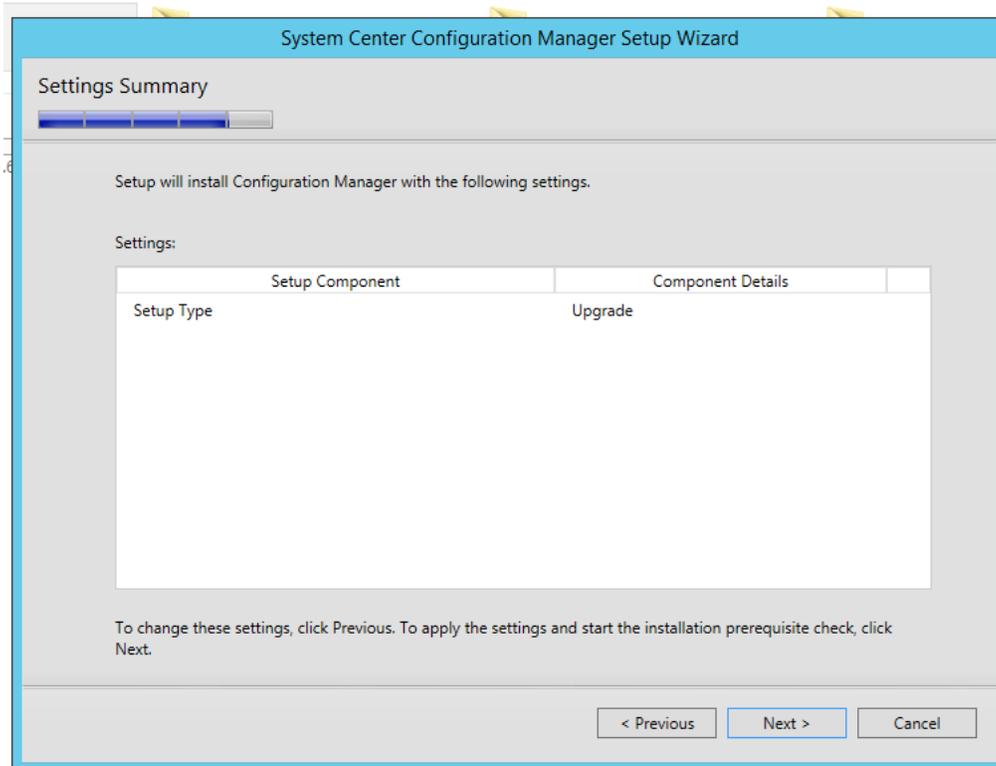
Make sure "Setup Type" is "upgrade" then click "Next"
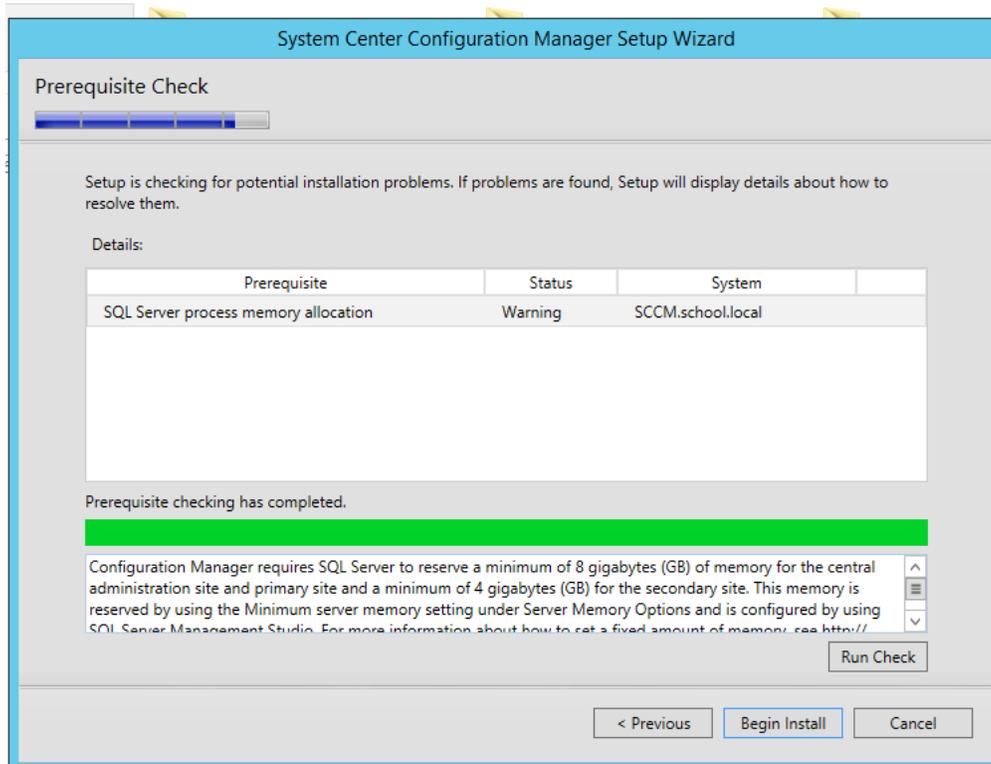


The system will run a Prerequiste Check – The warning above is the most common.
As long as you do not have errors or more than one or two warnings click "Begin Install"
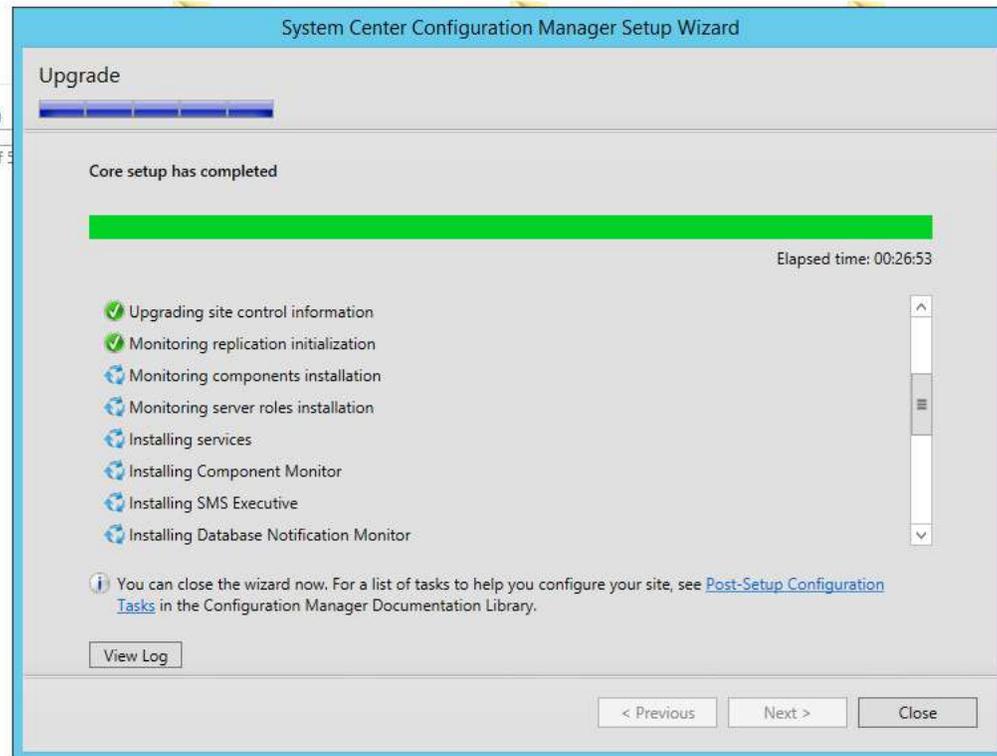
You will get a "Core Setup Completed" and "View Log" as well as "Close".
Click "View Log"
Make Sure =====Completed Configuration Manager 2012 Server Setup Upgrade=====
Click Close and open Configuration manager
Use the directions listed in Page 01 to check the new Build Number
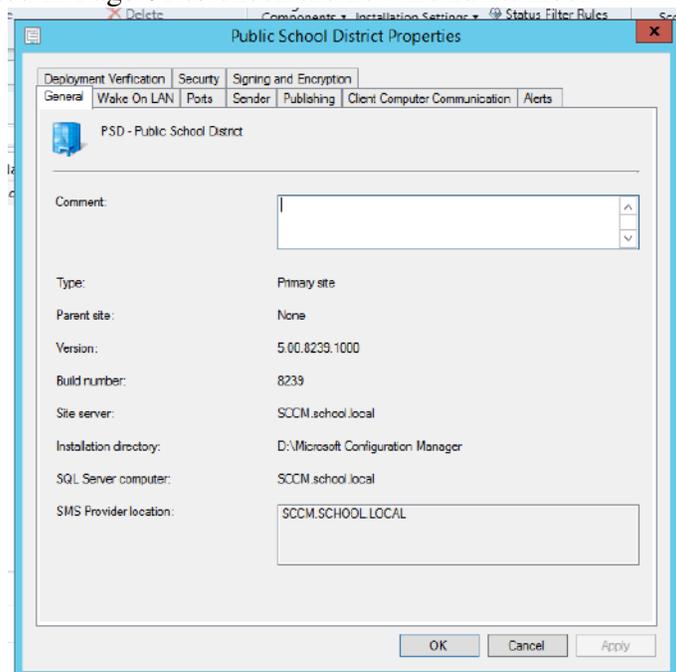


Match The Build number up with the information on pages four and five.
In this example we are at build 2012R2sp2

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.



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



Move Forward with the Upgrade Process.

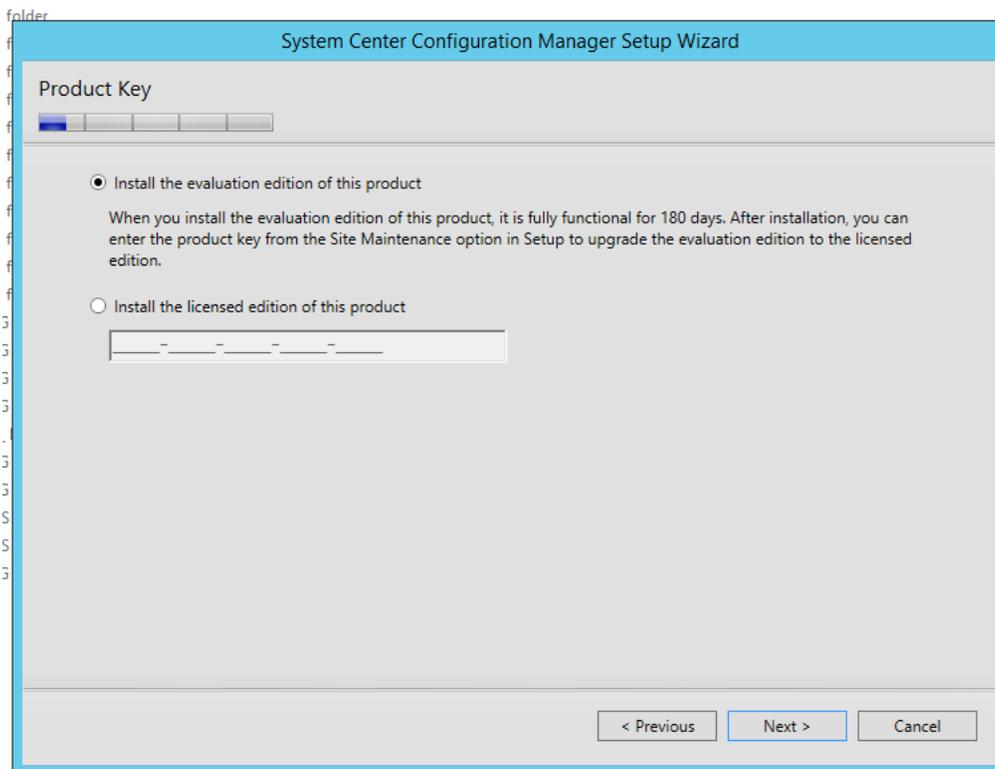Close Configuration Manager and load the .iso for SCCM_1511



Click "Install"
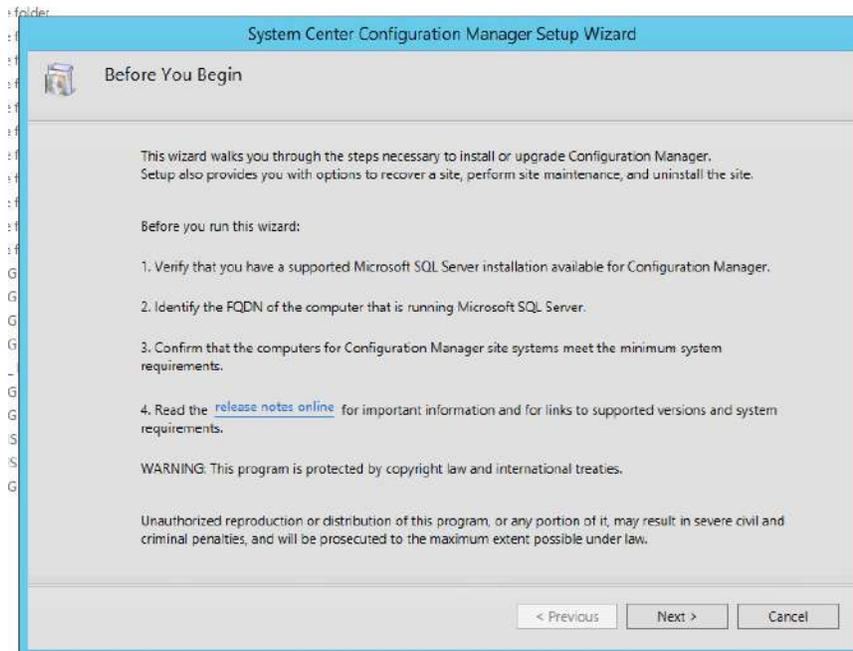


Click "Next"

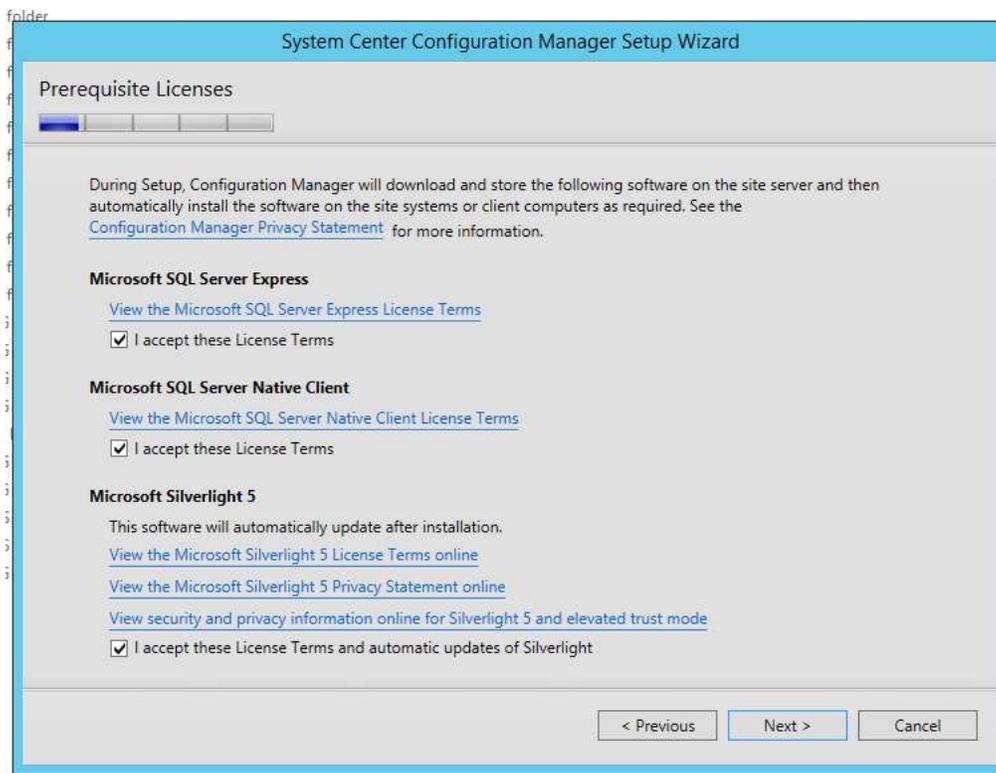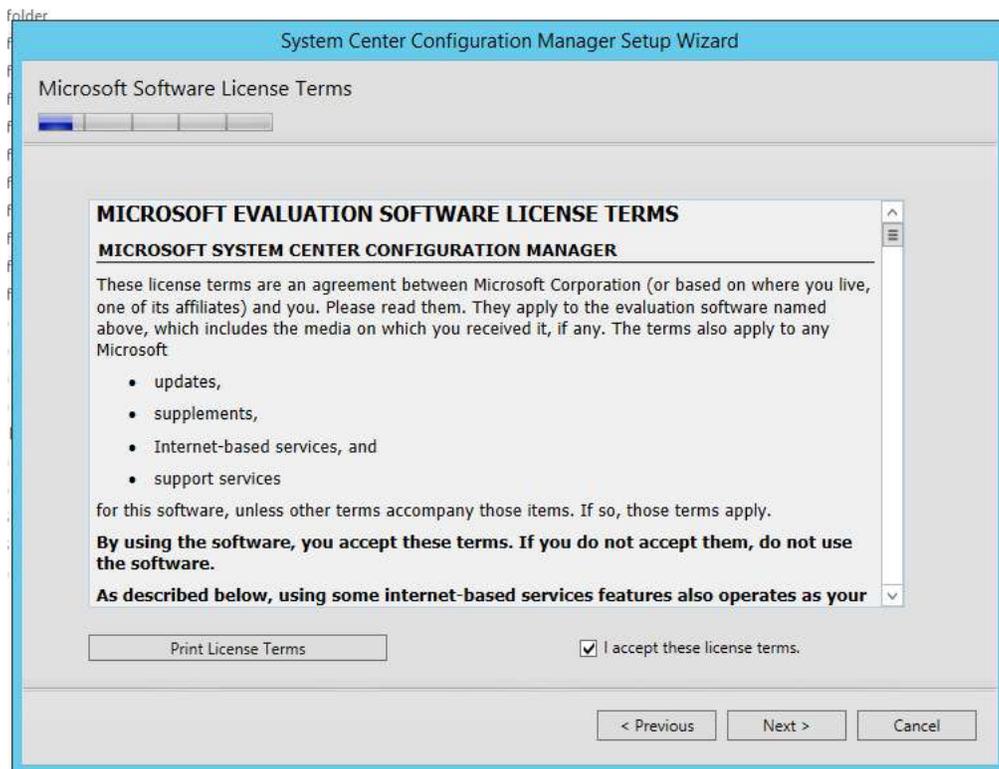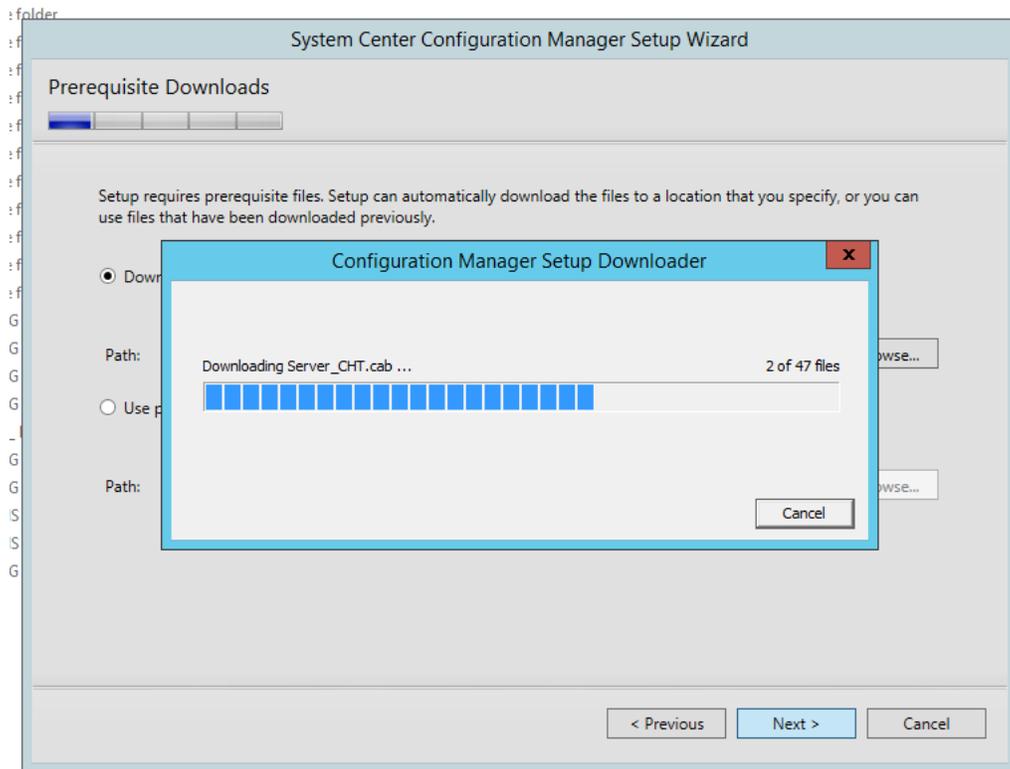Make sure that "Upgrade this Confguration Manager Site" is checked



Click "Next"



Enter the Product Key and click "Next"
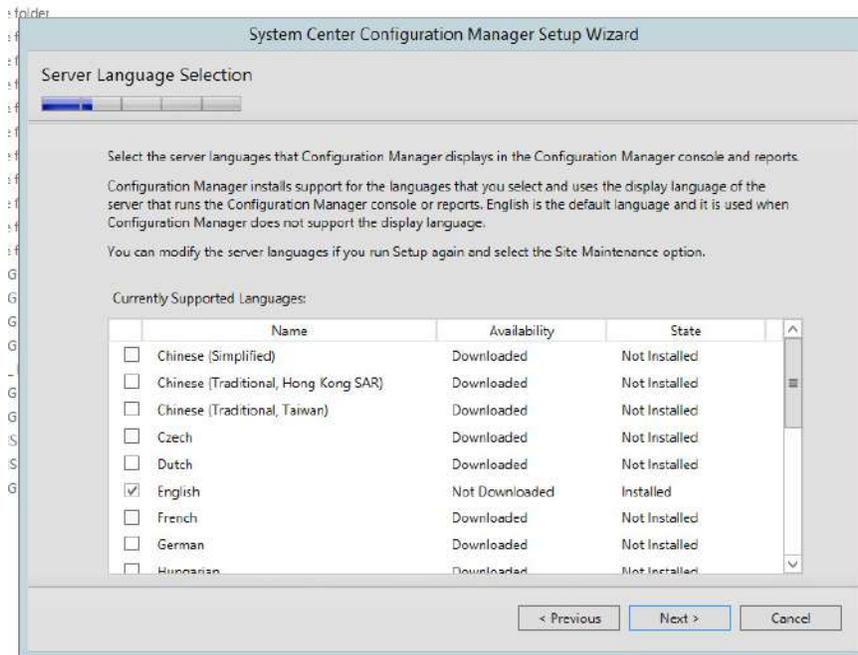
Accept all Licence Agreements

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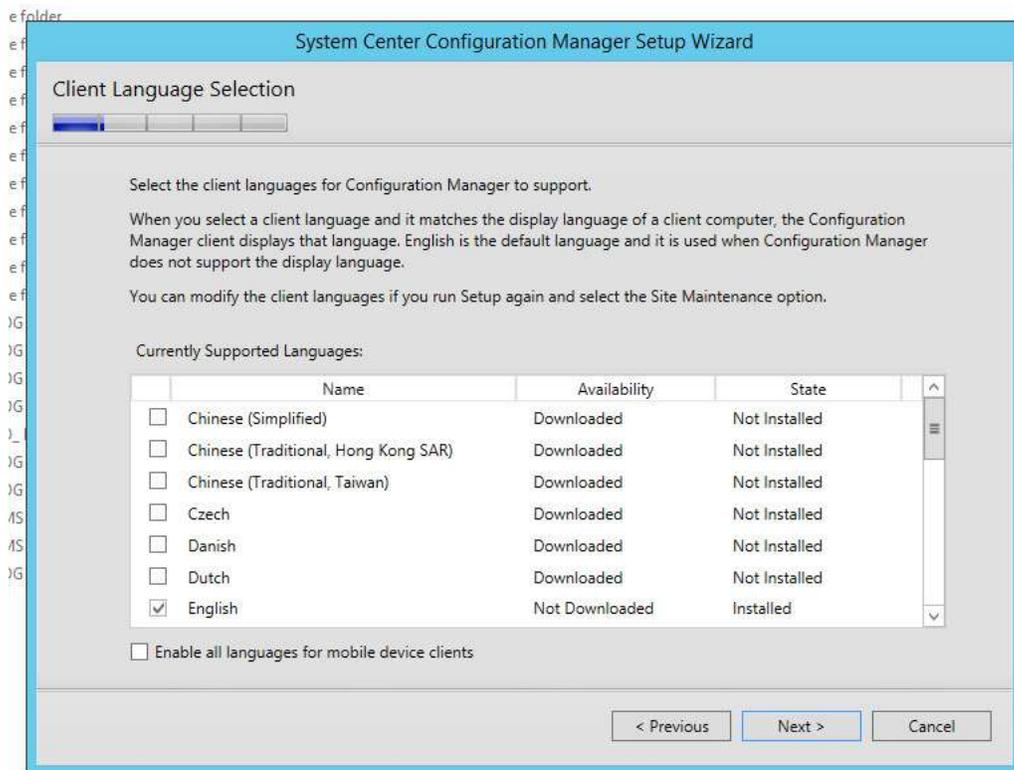Click "Next" – The downloader will begin to download files.



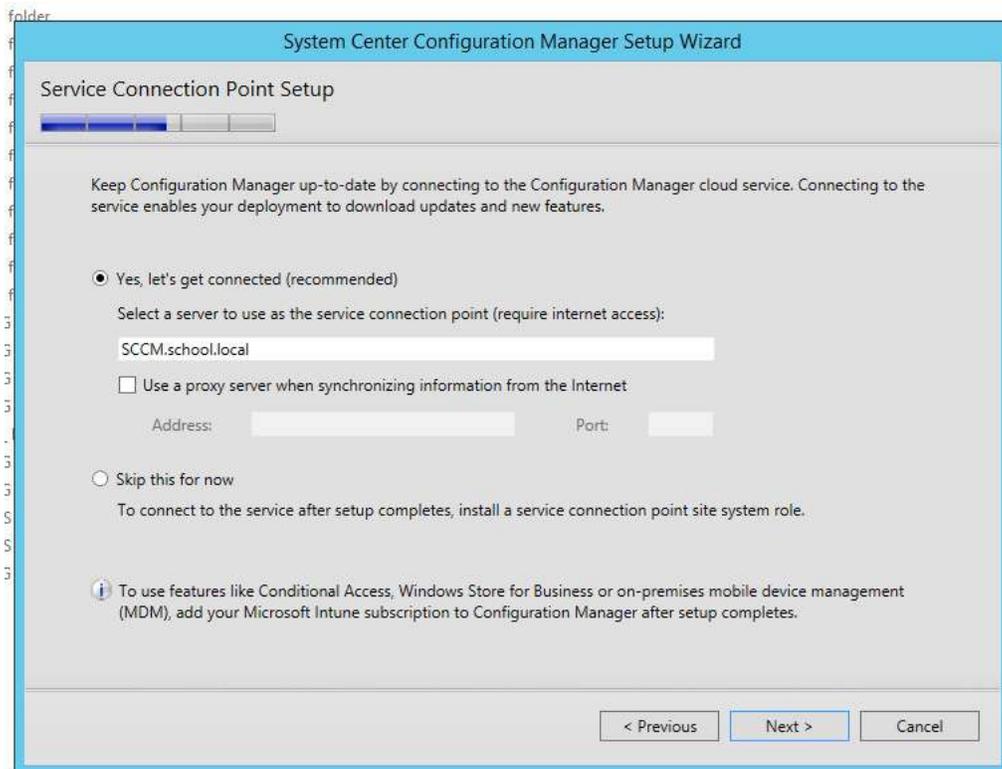Sccm will begin to download files for installation

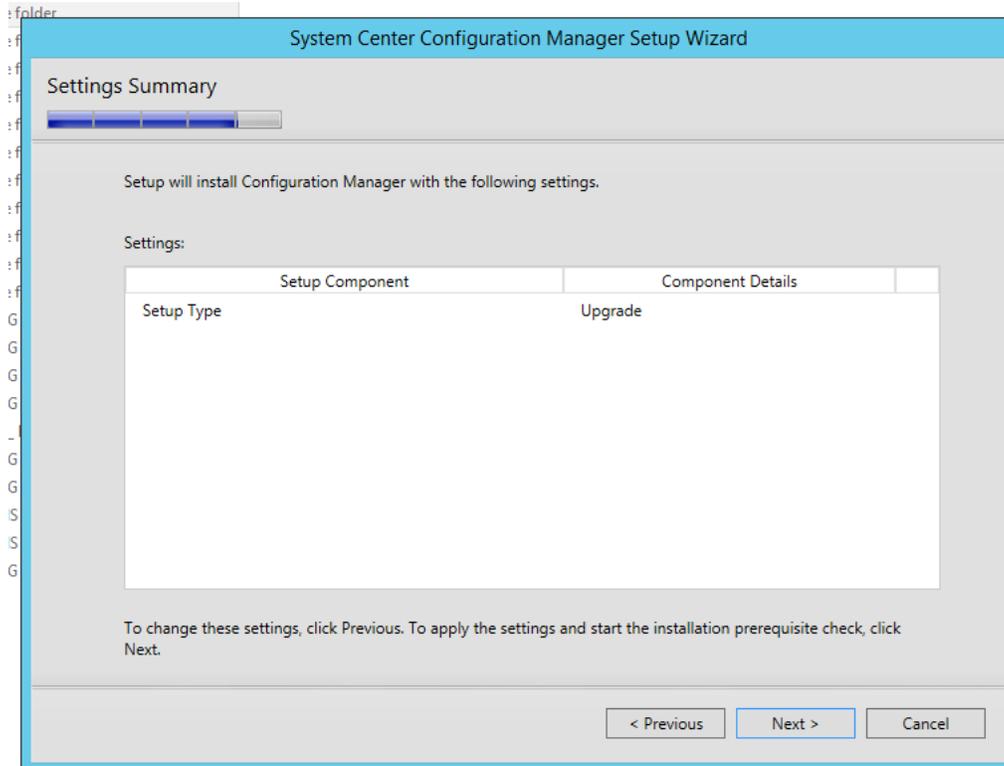This can take some time depending on your server and internet speed.



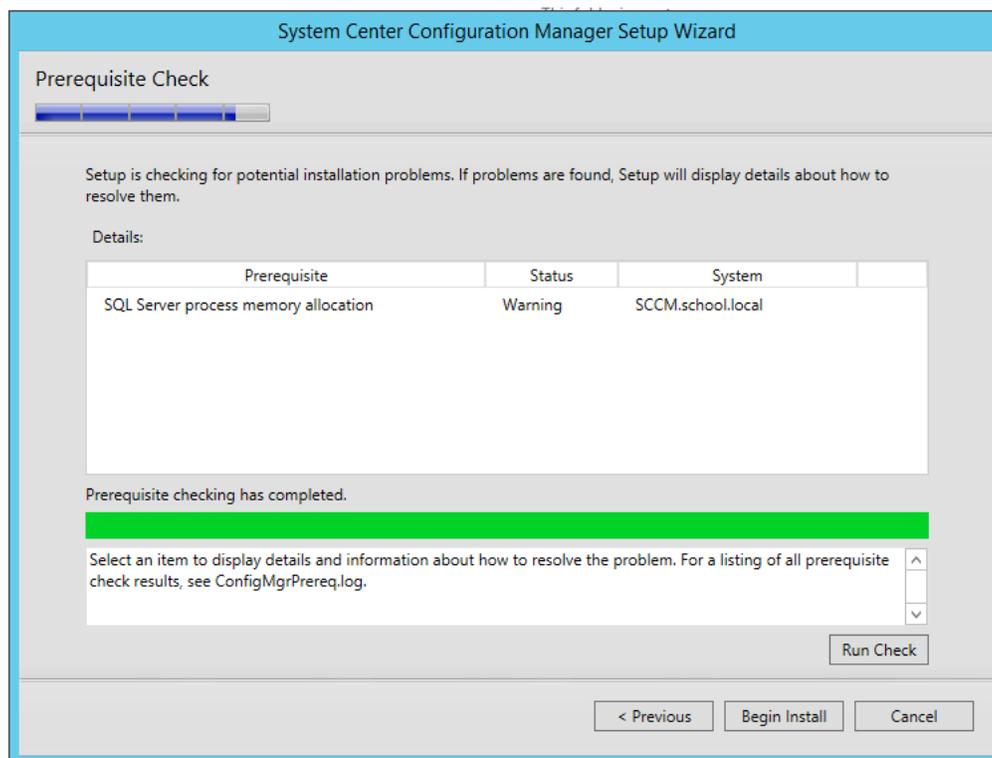Click "Next" – Making Sure only English is Checked

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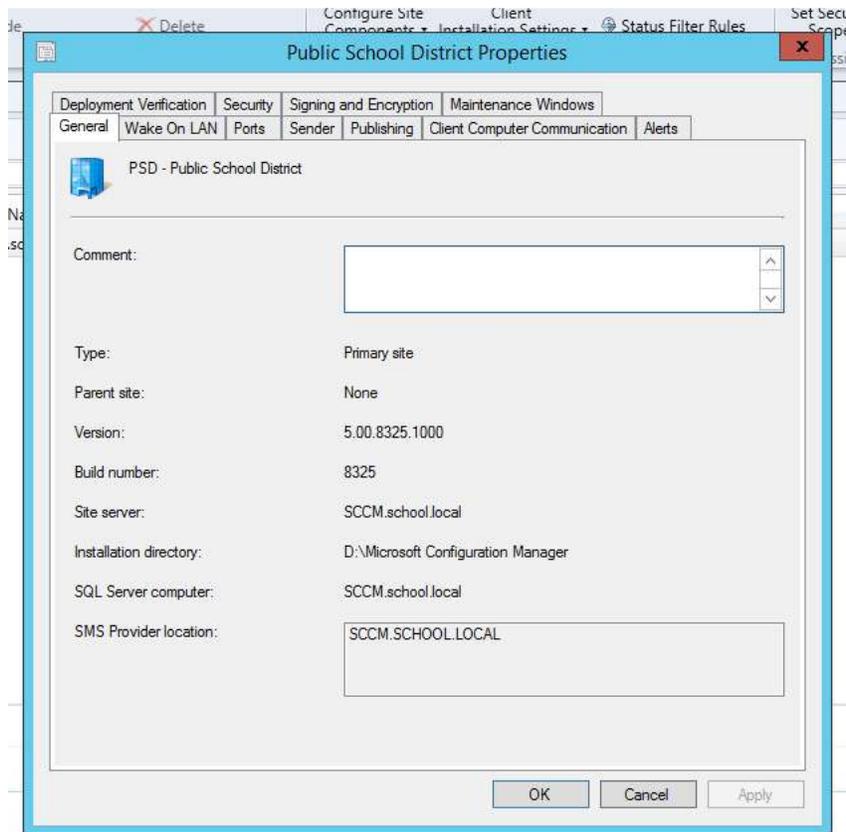Click "Next" – Cleck Next Until You Get to the Screen Below



Make Sure Your Server Is Listed and "Yes" is Checked, Click "Next"
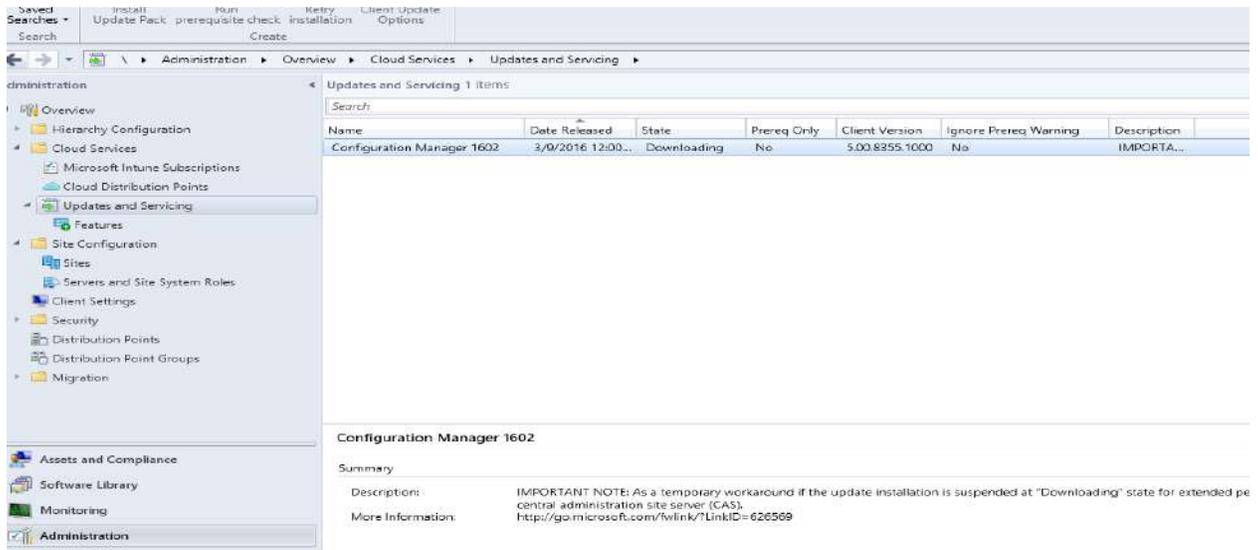
Make sure "Setup Type" is "upgrade" then click "Next"



The system will run a Prerequiste 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

"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 Prequiste check
-If the Prerequisite check passes, right click and go to update.