

Shahab Al Yamin Chawdhury (Shuvro)

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SCCM 2012 R2

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# System Center Configuration Manager 2012 R2 Installation

#### 1. System Requirements

- Fundamentals of Configuration Manager: <u>http://technet.microsoft.com/en-us/library/gg682106.aspx</u>
- What's New in System Center 2012 R2 Configuration Manager: <u>http://technet.microsoft.com/en-us/library/dn236351.aspx</u>
- System Requirements for System Center 2012 R2: <u>http://technet.microsoft.com/en-us/library/dn281925.aspx</u>
- Documentation Library for System Center 2012 Configuration Manager: <u>http://technet.microsoft.com/en-us/library/gg682041.aspx</u>
- The System Center Team Blog: <u>http://blogs.technet.com/b/systemcenter/</u>
- Getting Started: <u>http://technet.microsoft.com/en-us/library/dn235548.aspx</u>
- Evaluate System Center 2012 R2: <u>http://www.microsoft.com/en-us/server-cloud/products/system-center-</u> 2012-r2/default.aspx#fbid=bR7QKv7dAQi
- Release Notes: <u>http://technet.microsoft.com/library/dn236347.aspx</u>
- System Center 2012 R2 Jump Start Training: <u>http://www.microsoftvirtualacademy.com/training-courses/what-</u> s-new-in-system-center-2012-r2-jump-start#?fbid=JLrIB5jVU6s
- Microsoft System Center 2012 R2 Configuration Manager and Endpoint Protection Evaluation
   Resources: <u>http://technet.microsoft.com/en-us/evalcenter/dn205298.aspx?wt.mc\_id=TEC\_151\_1\_27</u>

#### 1.1 Software Pre-Requisites

#### 1.1.1 Windows Assessment and Deployment Kit (Windows ADK) for Windows

8.1: <u>http://www.microsoft.com/en-us/download/details.aspx?id=39982</u>

📗 Installers	10/24/2013 5:56 PM	File folder	
퉬 Patches	10/24/2013 11:10	File folder	
🖟 adksetup	10/24/2013 11:03	Application	1,402 KB
UserExperienceManifest	10/24/2013 5:56 PM	XML File	36 KB

FIGURE 1: WINDOWS ADK

Supported Operating System: Windows 8.1

To install the Windows ADK, your computer must be running one of the following operating systems:

- Windows 8.1
- Windows 8
- Windows 7
- Windows Server 2012 R2
- Windows Server 2012Windows Server 2008 R2
- Windows Server
  Windows Vista
- Windows Visid
   Windows Server 2008

Only the following components of the ADK is required:

- Deployment Tools
- Windows Preinstallation Environment (Windows PE)
- User State Migration Tool (USMT)

1.1.2 Next we want to extend the Active Directory Schema for SCCM. It's not mandatory, and you don't need to do this as I have it working without this, however it does help clients discover the SCCM server and it's sites. On the SCCM installation media run the following on a domain controller as a Domain Admin with Schema Admin Privileges.

More info regarding Extending Schema: <u>http://technet.microsoft.com/en-us/library/gg712272.aspx</u>

#### <path to install media>\SMSSETUP\BIN\X64\extadsch.exe



FIGURE 2: SCHEMA UPDATE WITH EXTADSCH.EXE

1.1.3 Microsoft System Center 2012 R2 Configuration Manager - Clients for Additional Operating Systems: <u>http://www.microsoft.com/en-us/download/details.aspx?id=39360</u>



FIGURE 3: SCCM ADDITIONAL CLIENTS

1.1.4 Prerequisites Download: Approximately 352 MB of it bearing 370,106,368 bytes without the ADK.



FIGURE 4: SCCM 2012 R2 PRE-REQUISITES, DOWNLOADED

#### 1.1.5 USMT: Supported Operating Systems

The User State Migration Tool (USMT) 5.0 does not have any explicit RAM or CPU speed requirements for either the source or destination computers. If your computer complies with the system requirements of the operating system, it also complies with the requirements for USMT. You need an intermediate store location large enough to hold all of the migrated data and settings, and the same amount of hard disk space on the destination computer for the migrated files and settings.

The following table lists the operating systems supported in USMT.

Operating Systems	ScanState (source computer)	LoadState (destination computer)
Windows® XP Professional	X	
Windows XP Professional x64 Edition	х	
32-bit versions of Windows Vista®	Х	X
64-bit versions of Windows Vista	Х	X
32-bit versions of Windows® 7	Х	X
64-bit versions of Windows 7	Х	X
32-bit versions of Windows® 8	X	X
64-bit versions of Windows 8	х	X

#### Note:

You can migrate a 32-bit operating system to a 64-bit operating system. However, you cannot migrate a 64bit operating system to a 32-bit operating system.

USMT does not support any of the Windows Server® operating systems, Windows 2000, or any of the starter editions for Windows XP, Windows Vista, or Windows 7. In addition, USMT only supports migration from Windows XP with Service Pack 3.

Windows® RT is not supported for USMT. For more information about how to migrate content to and from Windows RT, see Windows Easy Transfer.

## 2 Some Errors to Watch Out For (Real Errors from Failed Installation)

#### 2.1 Schema Extensions (Warning):

Configuration Manager Active Directory schema extensions are not required for site server installation, but are recommended to fully support the use of all Configuration Manager Features. For more information about the advantages of extending the schema extensions, see the Configuration Manager Product documentation. More info <u>http://technet.microsoft.com/en-us/library/gq712272.aspx</u>

#### 2.2 Firewall exceptions for SQL Server (Warning):

The Windows Firewall is enabled and does not have exceptions configured for SQL Server or the TCP ports that are required for inter-site data replication. To resolve this issue, allow sqlservr.exe or the required TCP ports to be accessed remotely. By default, SQL Server listens on TCP port 1433 and the SQL Broker Service uses TCP port 4022, but custom ports might be configured. See **ConfigMgrPrereq.log** for port details.

#### 2.3 SQL Server service running account (Failed):

The logon account for the SQL Server service cannot be a local user account, NT SERVICE\<sql service name> or LOCAL SERVICE. You must configure the SQL Server service to use a valid domain account, NETWORK SERVICE, or LOCAL SYSTEM.

#### 2.4 Verify site server permissions to publish to Active Directory (Warning):

The site server might be unable to publish to Active Directory. The computer account for the site server must have Full Control permissions to the System Management container in its Active Directory domain. You can ignore this warning if you have manually verified these permissions. For more information about your options to configure required permissions, see <a href="http://go.microsoft.com/fwlink/p?linkld=233190">http://go.microsoft.com/fwlink/p?linkld=233190</a>.

#### 2.5 SQL Server Version (Failed):

Configuration Manager Sites require a supported SQL Server version with required hotfixes for site database operations to succeed. Before Setup can continue, you must install a supported version of SQL Server on the specified site database server. For more information, see <a href="http://go.microsoft.com/fwlink/p?LinklD=232936">http://go.microsoft.com/fwlink/p?LinklD=232936</a>.

#### 2.6 SQL Server Edition (Failed):

Configuration Manager primary site and central administration site don't support SQL Server Express Edition.

#### 2.7 SQL Server TCP Port (Failed):

Configuration Manager primary site and central administration site require SQL Server Tcp is enabled and set to Static port.

#### 2.8 Configuration for SQL Server memory usage (Warning):

SQL Server is configured for unlimited memory usage. You should configure SQL Server memory to have a maximum limit.

#### 2.9 SQL Server Process Memory Allocation (Warning):

Configuration Manager requires SQL Server to reserve a minimum of 8 gigabytes (GB) of memory for the central administration site and primary site and a minimum of 4 gigabytes (GB) for the secondary site. This memory is reserved by using the Minimum server memory setting under Server Memory Options and is configured by using SQL Server Management Studio. For more information about how to set a fixed amount of memory, see <a href="http://go.microsoft.com/fwlink/p?Linkld=233759">http://go.microsoft.com/fwlink/p?Linkld=233759</a>

#### 2.10 BITS Installed/Enabled (Warning):

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.

#### Some Useful Links

- Prerequisite Checker: <u>http://technet.microsoft.com/library/gg712320.aspx#BKMK\_PrerequisiteChecker</u>
- How to: Set a Fixed Amount of Memory (SQL Server Management Studio): <u>http://technet.microsoft.com/library/ms191144(SQL.105).aspx</u>
- Technical Reference for the Prerequisite Checker in Configuration Manager: <u>http://technet.microsoft.com/en-us/library/hh368980.aspx</u>
- Technet Forums: <u>http://social.technet.microsoft.com/Forums/en-us/home?forum=configmanagerdeployment</u>
- System Center Updates Publisher 2011: <u>http://www.microsoft.com/en-us/download/details.aspx?id=11940</u>

#### 3 SQL Server 2012 Installation

#### 3.1 Server OS Supported by SCCM 2012 R2

Site systems are not supported on Server Core installations for the following operating systems:

- Windows Server 2008 or Windows Server 2008 R2.
- Windows Server 2008 Foundation or Windows Server 2008 R2 Foundation.
- Windows Server 2012 or Windows Server 2012 R2. An exception to this is that beginning with System Center 2012 R2 Configuration Manager; these operating systems support the distribution point site system role, without PXE or multicast support.
- Windows Server 2012 Foundation or Windows Server 2012 R2 Foundation.

It is not supported to change the domain membership or computer name of a Configuration Manager site system after it is installed.

Site system roles are not supported on an instance of a Windows Server cluster. The only exception to this is the site database server.

3.2 SQL Server Component Requirements: <u>http://technet.microsoft.com/en-us/library/gg682077.aspx#BKMK\_SupConfigSQLSrvReq</u>

### SQL Server Components

- 1. Database Engine
- 2. Analysis Services
- 3. Reporting Services
- 4. Integration Services
- 5. Replication
- 6. Management Tools
- 7. Connectivity Components
- 8. Books Online, Tutorials

#### FIGURE 5: SQL SERVER COMPONENTS

How to: Set a Fixed Amount of Memory (SQL Server Management Studio): http://technet.microsoft.com/library/ms191144%28SQL.105%29.aspx

Change the Service Startup Account for SQL Server (SQL Server Configuration Manager): http://technet.microsoft.com/en-us/library/ms345578.aspx

#### 3.3 SQL Server Port Configurations

Configure a Server to Listen on a Specific TCP Port (SQL Server Configuration Manager): http://technet.microsoft.com/library/ms177440.aspx

• Intersite communications use the SQL Server Service Broker, which by default uses port TCP 4022.

- Intra-site communication between the SQL Server database engine and various Configuration Manager Site System Roles by default use port TCP 1433. The following site system roles communicate directly with the SQL Server database:
  - Management point
  - SMS Provider computer
  - Reporting Services point
  - Site server

#### 3.4 Service Accounts Requirements

Configure Windows Service Accounts and Permissions: <u>http://technet.microsoft.com/en-us/library/ms143504.aspx</u>

#### 3.5 Deployment

Installing SQL Server 2008

- 1. Open Setup
- 2. Review Planning and Requirements
- 3. Run System Config Checker
- Run Installation Wizard
- Ensure all components installed

FIGURE 6: INSTALLATION STEPS

Please refer to the installation video @ my YouTube Channel: <u>http://www.youtube.com/watch?v=4DTyocDpyMU</u>

Sign Survey Ind all disc Großer	A Dia
Planning Bantalistica Plantineuron Solit Resources Advanced Options	See: SX, Server stand-alme initializity or addinators is an existing initialized.       Lands a supplit and 3 SX, Server 2018 is a hose-clustered environment or its addinators is an existing initialized initininitialized initialized initialized initialized initialize
₹50E Server2008	

#### FIGURE 7: SQL SERVER 2008 SP1 INSTALLATION

If you want to install SQL Server 2012 Enterprise or BI or Standard Edition, please refer to this guideline (Install SQL Server 2012 from the Installation Wizard (Setup)): <u>http://msdn.microsoft.com/en-us/library/ms143219.aspx</u>

But again the step by step guidance follows:

## Installation of Microsoft SQL Server 2012 Step by Step

We need to install .net framework 3.5 features before proceeding further (follow this blog post to enable this feature on your windows server 2012)

- Download : <u>Microsoft SQL Server 2012</u>Create a user in Active directory and name it svcSQL. (Add User to Active Directory Blog post).
- Add user SPAdmin to local administrator group which was created in last blog post.
- To Add user to Administrators group: Go to : Server Manager >> Tools >> Active Directory Users and Computers, then Click on built-in OU and look for Administrators group, double click on that and jump on Members tab and Add SPAdmin user to it's members, that's it.

Insert SQL Server 2012 media and start installation. Please be mindful that this version of SQL Server Installation can also be used for SharePoint Server 2013 Installation, and also has the right Service Accounts that's created along the way.

Click on Installation link.

8	QL Server Installation Center	
Planning Installation	Hardware and Software Requirements View the hardware and software requirements.	Â
Maintenance Tools	Security Documentation View the security documentation.	=
Resources Advanced	Online Release Notes View the latest information about the release.	
Options	How to Get SQL Server Data Tools SQL Server Data Tools provides an integrated environment for database developers to carry out all their database design work for any SQL Server platform.	
	System Configuration Checker Launch a tool to check for conditions that prevent a successful SQL Server installation.	
	Install Upgrade Advisor Upgrade Advisor analyzes any SQL Server 2008 R2, SQL Server 2008 or SQL Server 2005 components that are installed and identifies issues to fix either before or after you upgrade to SQL Server 2012.	
	Online Installation Help Launch the online installation documentation.	
SQL Server 2012	How to Get Started with SQL Server 2012 Failover Clustering Read instructions on how to get started with SQL Server 2012 failover clustering.	~

#### FIGURE 8: INSTALLATION SCREEN

Click on New SQL Server stand-alone installation to start the initial configuration.



FIGURE 9: STAND-ALONE INSTALLATION

Click Ok.

	in contantact		
ietup Support Rules	Ope	ration completed. Passed: 8. Failed 0. Warning 0. Skipped 0.	
	Hi	de details <<	Re-run
	View	v <u>detailed report</u>	Shahur
		Setup administrator	Passed
		Setup account privileges	Passed
		Restart computer	Passed
	0	Windows Management Instrumentation (WMI) service	Passed
	0	Consistency validation for SQL Server registry keys	Passed
	0	Long path names to files on SQL Server installation media	Passed
	0	SQL Server Setup Product Incompatibility	Passed
		.NET 2.0 and .NET 3.5 Service Pack 1 update for Windows 2008	Passed
		THE FILM and THE FILM SERVICE PACK E Update for Windows 2000	Passed

FIGURE 10: SETUP SUPPORT RULES

Enter product key or select trial edition and click Next. Accept the License terms. If you want to you can install updates or skip by uncheck select box and click Next.

8	SQL Server	2012 Setup	X
Product Updates Always install the latest	updates to enhance your SQL Server security	and performance.	
Product Key	☑ Include SQL Server product upda	tes	
Brochust Hadatas	Name	Size (MB)	More Information
Product optimes	SQL Server 2012 SP1 Setup Update	14	KB 2674319
	Read our privacy statement online		
	Learn more about SQL Server produ	ct updates	
	ist fi		< Back Next > Cancel

#### FIGURE 11: LATEST PRODUCT UPDATES

Again click Next to move to support rules.

5		SQL Server 2012 Setup	
Setup Support Rules Setup Support Rules identify corrected before Setup can co	problem ntinue.	s that might occur when you install SQL Server Setup support file	s. Failures must be
Setup Support Rules Setup Role Feature Selection Installation Rules Disk Space Requirements	Ope Hi	ration completed. Passed: 6. Failed 0. Warning 2. Skipped 0.	Re-run
rror Reporting nstallation Configuration Rules eady to Install nstallation Progress complete		Rule	Status
	ŏ	Previous releases of SQL Server 2008 Business Intelligence Devel	Passed
	0	No SxS install with SQL Server "Denali" CTP0	Ressed
	0	Consistency validation for SQL Server registry keys	Ressed
	1	Computer domain controller	Warning
	0	Microsoft .NET Application Security	Passed
	0	Edition WOW64 platform	Ressed
	1	Windows Firewall	Warning
		< Back Next >	Cancel Help

FIGURE 12: SETUP SUPPORT RULES, OTHERS

Since we got zero errors click next to select SQL Server Feature Installation and click Next.

8	SQL Server 2012 Setup
Setup Role Click the SQL Server Feature I feature role to install a specifi Setup Support Rules	estallation option to individually select which feature components to install, or click a configuration.
Setup Role Feature Selection Installation Rules Disk Space Requirements Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Install SQL Server Database Engine Services, Analysis Services, Reporting Services, Integration Services, and other features. SQL Server PowerPivot for SharePoint Install PowerPivot for SharePoint on a new or existing SharePoint 2010 server to support PowerPivot data access in the farm. Optionally, add the SQL Server relational database engine to use as the new farm's database server. Add SQL Server Database Relational Engine Services to this installation. All Features With Defaults Install all features using default values for the service accounts.
	< Back Next > Cancel Help

#### FIGURE 13: SQL SERVER FEATURE INSTALLATION

Select Database engine, SQL Server Replication, Full -Text and Semantic Extractions for Search, Data Quality Service, Analysis Services, Reporting Services – Native, Reporting Services – SharePoint, Management Tools – Basic and Complete both. and click Next.

5	SQL S	erver 2012 Setup		
Feature Selection Select the Enterprise features to	o install.			
Setup Support Rules	Features:		Feature description:	
tup Role sature Selection stallation Rules stance Configuration sk Space Requirements server Configuration atabase Engine Configuration naivsis Services Configuration	Instance Features Database Engine Servic SQL Server Replicat Full-Test and Services Data Quality Service Analysis Services - Ni Shared Features Reporting Services - Sh	es on ntic Extractions for Search es strive arePoint a	The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL server instances. SQL Server instances can operate aide-by- side on the same computer.	
Reporting Services Configuration	Reporting Services Add-in for SharePoint Products     Data Quality Client		Prerequisites for selected features:	
irror Reporting nstallation Configuration Rules Ready to Install nstallation Progress Complete	SQL Server Data Tools     Client Tools Connectiv     Integration Services     Client Tools Backward     Client Tools SDK     Documentation Comp     Management Tools = 0     Distributed Replay Con     Distributed Replay Clie	ity s Compatibility conents lasic s - Complete troller nt v	Already installed: - Microsoft .NET Framework 4.0 - Windows PowerShell 2.0 To be installed from media: - Microsoft Visual Studio 2010 Shell Windows feature(s) to be turned on: - Microsoft .NET Framework 3.5	
	Select All Unselect All			
	Shared feature directory: C:\Program Files\Microso		SQL Server\	
	Shared feature directory (x86)	C:\Program Files (x86)\Micr	osoft SQL Serveri	
		< Back	Next > Cancel Help	

FIGURE 14: FEATURE SELECTION SCREEN

If it produces zero warnings, Click Next.

8	SQL Server 2012 Setup	X
Installation Rules Setup is running rules to deter	nine if the installation process will be blocked. For more information	on, click Help.
Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Analysis Services Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Operation completed. Passed: 1. Failed 0. Warning 0. Skipped Show details >> View detailed report	d 0. Re-run
	< Back N	lext > Cancel Help

FIGURE 15: INSTALLATION RULES VERIFICATION

Keep default instance and click Next.

6	SQL S	erver 2012	Setup		×
Instance Configuration Specify the name and instance	guration and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.				
Setup Support Rules Setup Role Feature Selection	Default instance     Named instance:	MSSQLSER	VER		
Installation Rules Instance Configuration Disk Space Requirements Server Configuration	Instance ID: Instance root directory:	MSSQLSER C:\Program	VER Files\Microsoft SC	21. Server/	
Database Engine Configuration Analysis Services Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Ready to Install	SQL Server directory: Analysis Services directory: Reporting Services directory: Installed instances:	CI\Program CI\Program CI\Program	Files\Microsoft SC Files\Microsoft SC Files\Microsoft SC	IL Server\MSSQL11.M IL Server\MSAS11.MS IL Server\MSRS11.MS	ISSQLSERVER ISQLSERVER SQLSERVER
Installation Progress Complete	Instance Name Instan	nce ID	Features	Edition	Version
		E	< Back	Next > Ca	incel Help

FIGURE 16: INSTANCE CONFIGURATION

#### Again click Next.

Now I've created three Service Accounts in Active directory named

- o SQL Server Database Engine : svcSQL
- o SQL Server Agent : svcSQLAgent
- o SQL Server Analysis Service : svcSQLAnalysis

8	SQL Server 201	2 Setup			x
Server Configuration	d collation configuration.				
Setup Support Rules Setup Role Feature Selection	Service Accounts Collation Microsoft recommends that you use	a separate account for each	SQL Server servi	ice.	
Installation Rules	Service	Account Name	Password	Startup Type	
Instance Configuration	SQL Server Agent	ZSDEV/svcSQLAgent		Manual	~
Disk Space Requirements	SQL Server Database Engine	ZSDEV\svcSQL		Automatic	~
Server Configuration	SQL Server Analysis Services	ZSDEV\svcSQLAnalysis	*******	Automatic	~
Database Engine Configuration	SQL Server Reporting Services	NT Service\ReportServer		Automatic	×
Analysis Services Configuration	SQL Full-text Filter Daemon Launc	NT Service\MSSQLFDLa		Manual	2002
Reporting Services Configuration	SQL Server Browser	NT AUTHORITY/LOCAL		Disabled	~
Installation Configuration Rules Ready to Install Installation Progress Complete					
		< Back Next	> Can	cel He	Чр

FIGURE 17: REQUIRED SERVICE ACCOUNTS

Click Next. Select Mixed Mode SQL Server authentication and put password for "**sa**" account. Click Add Current User button to add current user as SQL Server admin.

1	SQL Set	ver 2012 Setup		
Database Engine Confi Specify Database Engine author Setup Support Rules Setup Role Feature Selection	guration tication security mode, adminis Server Configuration Data D Specify the authentication	trators and data directories irrectories FILESTREAM	or the Database Engine.	
Installation Rules Instance Configuration Disk Space Requirements Server Configuration <b>Database Engine Configuration</b> Analysis Services Configuration Reporting Services Configuration Fror Reporting	Authentication Mode Unidows authentication Mixed Mode (SQL Server Specify the password for th Enter password: Confirm password:	mode authentication and Windo e SQL Server system admini ***	ws authentication) istrator (sa) account.	
Installation Configuration Rules Ready to Install Installation Progress Complete	Specify SQL Server administ 2506V/spedmin (SP Admin	rators	SQL Server admini have unrestricted to the Database Er	strators eccess igine.
	Add Current User Add	dRemove	Next > Cancel	Help

#### FIGURE 18: DB ENGINE CONFIGURATION

Click Next. Enter svcSQLAnalysis service account as admin for Analysis service access. and go Next.

<b>t</b>	SQL Server 2012 Setup	_ <b>_</b> ×
Analysis Services Confi Specify Analysis Services server	guration modes, administrators, and data directories.	
Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Dick Space Requirements	Server Configuration Data Directories Server Mode: Multidimensional and Data Mining Mode Tabular Mode Specify which users have administrative permissions for Analysis Services	
Data space requirements Server Configuration Database Engine Configuration Analysis Services Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	ZSDEV/svcSQLAnalysis (SQL Analysis Account)	Analysis Services administrators have unrestricted access to Analysis Services.
	Add Current User Add Remove	
	< Back Next >	Cancel Help

FIGURE 19: SSAS CONFIGURATION

Select Install Only option for Reporting service and go Next.

8	SQL Server 2012 Setup
Reporting Services Co Specify the Reporting Services Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Analysis Services Configuration Reporting Services Configuration Installation Configuration Rules Ready to Install Installation Progress Complete	SQL Server 2012 Setup         Infiguration         configuration mode.         Reporting Services Native Mode         Install and configure.         Installs and configures the report server in native mode. The report server is operational after setup completes.         Install only.         Installe the report server files. After installation, use Reporting Services Configuration Manager to configure the report server for native mode.         Reporting Services SharePoint Integrated Mode         Installs the report server files. After installation use SharePoint Central Administration to complete the configuration. Verify the SQL Server Reporting Services service is started and create at least one SQL Server Reporting Services service application. For more information, click Help.
	< Back Next > Cancel Help

FIGURE 20: SSRS CONFIGURATION

Go Next. Click install button to start the actual installation. And this is where you are done installing SQL Server 2012.

5	SQL Server 2012 Setup
Ready to Install Verify the SQL Server 2012 feat	ures to be installed.
Setup Sopport Nules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Analysis Services Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules <b>Ready to Install</b> Installation Progress Complete	Ready to initial Sci. Server 2012:   Summary  Edition: Enterprise  Action: Install  Prerequisites  Already installed:  Microsoft NET Framework 4.0  Windows PowerShell 2.0  To be installed from media:  Microsoft Visual Studio 2010 Shell  Windows feature(s) to be turned on:  Microsoft NET Framework 3.5  General Configuration  Features  Database Engine Services  SQL Server Replication  Full-Text and Semantic Extractions for Search Data Quality Services  Analysis Services  Reporting Services  Reporting Services  Reporting Services  Kennel Semantic Structure  Reporting Services  Reporting Services  Microsoft Visual Studie  Microsoft Visual Studie 2010 Shell  Windows feature(s) to be furned on:  Microsoft Visual Studie 2010 Shell  Microsoft Visu
	C
	Configuration file path: C\Program Files\Microsoft SQL Server\110\Setup Bootstrap\Log\20121220_202505\ConfigurationFile.ini

FIGURE 21: INSTALLATION SUMMARY

NOTES

- 4.1 SCCM Supported Configurations
  - Supported Configurations for Configuration Manager: <u>http://technet.microsoft.com/en-us/library/gg682077.aspx#BKMK\_MinHWRegs</u>
  - System requirements for System Center 2012 R2 (as per TechNet & other than the SCCM!): <u>http://technet.microsoft.com/en-us/library/dn281925.aspx</u>

#### 4.2 Supported Base Operating System Editions

- Windows Server 2012 R2 Datacenter Edition
  - Windows Server 2012 R2 Standard Edition
  - Windows Server 2012 SP1 Datacenter Edition
  - Windows Server 2012 SP1 Standard Edition
  - Windows Server 2012 Datacenter Edition
  - Windows Server 2012 Standard Edition
  - Windows Server 2008 R2 SP1 Enterprise Edition
  - Windows Server 2008 R2 SP1 Standard Edition
  - Windows Server 2008 SP1 Enterprise Edition
  - Windows Server 2008 SP1 Standard Edition
  - Windows Server 2008 Enterprise Edition
  - Windows Server 2008 Standard Edition

#### 4.3 Supported SQL Server Editions

- SQL Server 2008 R2 SP1 Enterprise Edition
- SQL Server 2008 R2 Enterprise Edition
- SQL Server 2008 R2 SP1 Standard Edition
- SQL Server 2008 R2 Standard Edition
- SQL Server 2008 Enterprise Edition
- SQL Server 2008 Standard Edition

#### 4.4 Hardware Considerations for the SCCM 2012 R2

 Reference: Planning for Hardware Configurations for Configuration Manager: <u>http://technet.microsoft.com/en-us/library/hh846235.aspx</u>

#### 4.5 Pre-Requisite Component Check

- Please refer to section 1.1.4 of this document.
- Prerequisites for Endpoint Protection in Configuration Manager: http://technet.microsoft.com/en-us/library/hh508780.aspx
- Prerequisite Checker: <u>http://technet.microsoft.com/library/gg712320.aspx#BKMK\_PrerequisiteChecker</u>
- Technical Reference for the Prerequisite Checker in Configuration Manager: <u>http://technet.microsoft.com/en-US/library/hh368980.aspx</u>

#### 4.6 Deployment

Though it seems ordinary to deploy SCCM 2012 R2 in an SQL environment, as I have shown how to install SQL server and get an instance from it through SCCM installation. But if you don't have any SQL server in your company to get an instance out of it, use SQL Express which is built into SCCM 2012 R2. So the installation follows, providing that you have installed ADK, .Net and other feature requirements.

	System Center 2012 R2 Configura	ation Manager Preview Setup	_ 🗆 X
	Microsoft System Center 2012 Configuration Manager	2 R2	_
	I <u>n</u> stall () Restart may be required () Be <u>fo</u> re you begin		
	Tools and Standalone Components	Additional Resources	
	Assess server readiness	Release Notes	
	Get the latest Configuration Manager updates	Read Documentation	
	Install <u>C</u> onfiguration Manager console	Obtain Installation Assistance	
	Download System Center Updates Publisher	Configuration Manager Community	
	Download clients for additional operating systems	Configuration Manager <u>H</u> ome	
		Browse the Installation Media	
© 2013 N	ficrosoft Corporation. All rights reserved.		E <u>x</u> it

FIGURE 22: INSTALLATION SCREEN

Fire up the setup.hta file which fill present you with the above first screen. Click on the "Install"

	System Center 2012 R2 Configuration Manager Preview Setup Wizard
a	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.
	<ol> <li>Confirm that the computers for Configuration Manager site systems meet the minimum system requirements.</li> </ol>
	<ol> <li>Read the <u>release notes</u> for important information and for links to supported versions and system requirements.</li> </ol>
	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 Next > Cancel
	< Previous Next > Cancel

#### FIGURE 23: THINGS TO CONSIDER

As definitely you should be ready to provide the following information:

- Supported SQL Server already installed or not
- You must know the FQDN name for your domain.
- And all prerequisites are met and accounted for.

System Center 2012 R2 Configuration Manager Preview Setup Wizard
Getting Started
Available Setup Options
Setup has not detected an existing installation of site server, site system, or Configuration Manager console on this computer.
Install a Configuration Manager primary site
Use typical installation options for a stand-alone primary site - Install a Configuration Manager primary site - Use default installation path - Configure local SQL Server with default settings - Enable a local management point for Configuration Manager - Enable a local distribution point for Configuration Manager
C Install a Configuration Manager central administration site
C Upgrade this Configuration Manager site
C Recover a site
C Perform site maintenance or reset this site
Uninstall this Configuration Manager site <pre></pre>

FIGURE 24: GETTING STARTED

This installation is selected for all the basic requirements are in this mode. Select the "Install a Configuration Manager Primary Site" and click on the next button to continue.

System Center 2012 R2 Configuration Manager Preview Setup Wizard
Product Key
<ul> <li>Install the evaluation edition of this product</li> <li>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.</li> <li>Install the licensed edition of this product</li> </ul>
< Previous Next > Cancel

FIGURE 25: INSERT PRODUCT KEY

Do provide the keys if you have any, or make the trial selection and click on the next button to continue.

MICROSOFT PRE-RELEASE SOFTWARE LICENSE	TERMS	
MICROSOFT SYSTEM CENTER 2012 R2 PREVIEW	N .	
These license terms are an agreement between its affiliates) and you. Please read them. They a includes the media on which you received it, if	Microsoft Corporation (or based on where you live, one of pply to the pre-release software named above, which any. The terms also apply to any Microsoft	
updates,		
<ul> <li>supplements,</li> </ul>		
Internet-based services, and		
<ul> <li>support services</li> </ul>		
for this software, unless other terms accompan	y those items. If so, those terms apply.	
By using the software, you accept these terms	If you do not accept them, do not use the software.	
As described below, using some features also standard computer information for Internet-b	operates as your consent to the transmission of certain ased services.	•
Print License Terms	I accept these license terms.	

FIGURE 26: ACCEPT LICENSING TERMS

Accept the licensing terms, if you don't accept the terms, the installation will not move forward.



FIGURE 27: PREREQUISITE LICENSES

Now I am selecting the SQL express for the sake of the installation, and SQL 2012 native Client. Please be mindful that Silverlight is required for the web presentation layer view. The latest you have the better it will support all the dashboards, and every layout of the SCCM web interface.

	System Center 2012 R2 Configuration Manager Preview Setup Wizard
Prerequisite D	ownloads
	Anna Anna
Setup requi use files tha	res prerequisite files. Setup can automatically download the files to a location that you specify, or you can t have been downloaded previously.
Downloa	d required files Example: \\ServerName\ShareName or C\Downloads
Path:	C:\Downloads Browse
C Use prev	iously downloaded files
Path:	Example: \\ServerName\ShareName or C\Downloads Browse
	< Previous Next > Cancel

FIGURE 28: DOWNLOAD PREREQUISITES

Download all the required files into a temporary location, I have selected "Downloads" in the boot drive.

1				
Selec	t the server languages that Configuration Mar	ager displays in the Configur	ation Manager console a	nd report
Conf	guration Manager installs support for the lang	uages that you select and us	es the display language o	f the
serve	r that runs the Configuration Manager console	e or reports. English is the del	fault language and it is us	ed when
Confi	guration Manager does not support the displa	ay language.		
You	an modify the server languages if you run Set	up again and select the Site I	Maintenance option.	
Curr	ently Supported Languages:			
	Name	Availability	State	-
-	Name Chinese (Simplified)	Availability Not Downloaded	State Not Installed	
	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR)	Availability Not Downloaded Not Downloaded	State Not Installed Not Installed	
	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR) Chinese (Traditional, Taiwan)	Availability Not Downloaded Not Downloaded Not Downloaded	State Not Installed Not Installed Not Installed	
	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR) Chinese (Traditional, Taiwan) Czech	Availability Not Downloaded Not Downloaded Not Downloaded Not Downloaded	State Not Installed Not Installed Not Installed Not Installed	
	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR) Chinese (Traditional, Taiwan) Czech Dutch	Avsilability Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded	State Not Installed Not Installed Not Installed Not Installed Not Installed	
	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR) Chinese (Traditional, Taiwan) Czech Dutch English	Aveilability Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded	State Not Installed Not Installed Not Installed Not Installed Not Installed Installed	
	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR) Chinese (Traditional, Taiwan) Czech Dutch English French	Avsilability Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded	State Not Installed Not Installed Not Installed Not Installed Installed Not Installed Not Installed	
	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR) Chinese (Traditional, Taiwan) Czech Dutch English French German	Availability Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded Downloaded	State Not Installed Not Installed Not Installed Not Installed Installed Installed Not Installed Not Installed Not Installed Not Installed	
	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR) Chinese (Traditional, Taiwan) Czech Dutch English French German Hungarian	Availability Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded Downloaded Not Downloaded	State Not Installed Not Installed Not Installed Not Installed Installed Installed Not Installed Not Installed Not Installed Not Installed Not Installed	

#### FIGURE 29: SERVER LANGUAGE SELECTION

English is by default selected, if you need other languages to install, select it and click next. This is the server language selection.

1	1 1			
Selec	t the client languages for Configuration Mana	ger to support.		
When Mana does You c	you select a client language and it matches t ger client displays that language. English is th not support the display language. an modify the client languages if you run Setu	he display language of a clie e default language and it is u up again and select the Site N	nt computer, the Configur ised when Configuration M Maintenance option.	ation Manager
10220111				
Curr	ently Supported Languages:	Availability	State	
Curr	ently Supported Languages: Name Chinese (Simplified)	Availability Not Downloaded	State Not Installed	·
Curr	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR)	Availability Not Downloaded Not Downloaded	State Not Installed Not Installed	•
	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR) Chinese (Traditional, Taiwan)	Availability Not Downloaded Not Downloaded Not Downloaded	State Not Installed Not Installed Not Installed	
	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR) Chinese (Traditional, Taiwan) Czech	Availability Not Downloaded Not Downloaded Not Downloaded Not Downloaded	State Not Installed Not Installed Not Installed Not Installed	
Curr	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR) Chinese (Traditional, Taiwan) Czech Danish	Availability Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded	State Not Installed Not Installed Not Installed Not Installed Not Installed	
Curr	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR) Chinese (Traditional, Taiwan) Czech Danish Dutch	Availability Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded	State Not Installed Not Installed Not Installed Not Installed Not Installed	
Curr	Name Chinese (Simplified) Chinese (Traditional, Hong Kong SAR) Chinese (Traditional, Taiwan) Czech Danish Dutch English	Availability Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded Not Downloaded	State Not Installed Not Installed Not Installed Not Installed Not Installed Installed	

FIGURE 30: CLIENT LANGUAGE SELECTION

This is the client language selection. Click next after finalizing your selection.

System	Center 2012 R2 Configuration Manager Preview Setup Wizard	
Site and Installation Setti	ngs	
Specify a site code that un	iquely identifies this Configuration Manager site in your hierarchy.	
Site code:		
Specify a site name that he	elps to identify the site. Example: Contoso Headquarters Site	
Site name:		
Note: The site code must b site.	be unique in the Configuration Manager hierarchy and cannot be changed after	er you install the
Installation folder:	C:\Program Files\Microsoft Configuration Manager	Browse
Specify whether to install t computer. You can remote	he Configuration Manager console to manage the Configuration Manager site ly manage the site when you do not install the Configuration Manager consol	e from this e.
🔽 Install the Configu	uration Manager console	
	< Previous Next >	Cancel

FIGURE 31: SITE SETTINGS

Now this is where you first put in your site code, example RHQ etc. And for site name put in something like "APAC Head Quarter" or which best suits you! Don't forget to install the CM console.

nary Site Installation		
Specify whether to join the primary site to an stand-alone site.	existing Configuration Manager hierarchy	y or install the primary site as a
C Join the primary site to an existing hierarch	y	
Central administration site server (FQDN):	Example: server1.contoso.com	
Install the primary site as a stand-alone site	•	
Install the primary site as a stand-alone site	•	
Install the primary site as a stand-alone site	•	
Install the primary site as a stand-alone site		
Install the primary site as a stand-alone site	•	
Install the primary site as a stand-alone site	8	

#### FIGURE 32: PRIMARY SITE FQDN

Since this is the first site, it does not have any hierarchy, but if you already have another SCCM installed and want this one to add it, by all means do at your discretion.

System Center 2012 R2 Configuration Manager Preview Setup V	/izard	
Primary Site Installation		
Specify whether to join the primary site to an existing Configuration Manager hierarchy or instal stand-alone site.	the prima	ny site as a
Central ac		
< Previous	Next >	Cancel

FIGURE 33: SERVER HIERARCHY

And click on the Yes and continue to next step. You really can expand the primary sites, secondary sites at a later time as well.

Configu	ation Manager primary sites require a Microsoft SQL Server database to sto	ore site settings and data.
Specify with a s	he site database server details. The instance name that you use for the site atic TCP port. Dynamic ports are not supported.	database must be configured
SQL S	ver name (FQDN): Example: Server1.contoso.com	_
E		
Instan	a name (leave blank for default): Example: MyInstance	
SCCN	SQL	
Datab	se name: Example: CM_XYZ	
\ \		
Specify data be SQL Se	he TCP port number for SQL Server Service Broker. Configuration Manager ween parent and child site database servers in the hierarchy. This port is dif rer service, which is automatically detected by Configuration Manager.	uses Service Broker to replicate fferent from the port used by the
Service	Broker Port	
4022	÷	

#### FIGURE 34: DB INFORMATION

Now put in your FQDN address, and the DB name....example : SCCMPDB\_RHQ, sounds about right, as SCCM will be having it's Primary DB on this SQL Server on Service Broker Port @ 4022.

System Center 2012 R2 Configuration Manager Preview 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.SCCMSQL\MSSQL\DATA Browse
Path to the SQL Server log file
C:\Program Files\Microsoft SQL Server\MSSQL11.SCCMSQL\MSSQL\DATA Browse
< Previous Next > Cancel

FIGURE 35: DB PATH

If you don't want to change the default path for installation, leave it and move forward.

System Center 2012 R2 Configuration Manager Preview 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

FIGURE 36: CLIENT COMMUNICATIONS

If you have a PKI Infrastructure or Root CA, you might want to check this, as this will ensure and validate each client since HTTPS will ask for the vlid certificate for each client.

Specify whether to have Setup install a management	nt point or distribution point.
A management point provides clients with policy a data from clients.	nd content location information. It also receives configuration
🔽 Install a management point.	
FQDN:	Client connection:
:	HTTP +
A distribution point contains source files for clients bandwidth, throttling, and scheduling controls.	to download and lets you control content distribution by usin
A distribution point contains source files for clients bandwidth, throttling, and scheduling controls. Install a distribution point. EQDN:	to download and lets you control content distribution by usin Client connection:
A distribution point contains source files for clients bandwidth, throttling, and scheduling controls. Install a distribution point. FQDN:	Client connection:
A distribution point contains source files for clients bandwidth, throttling, and scheduling controls. Install a distribution point. FQDN: The site server's computer account is used to instal member of the local administrators group for the s	Client connection:
A distribution point contains source files for clients bandwidth, throttling, and scheduling controls. Install a distribution point. FQDN: The site server's computer account is used to instal member of the local administrators group for the s You can install additional site system roles from the	Client connection:

#### FIGURE 37: SITE SYSTEM ROLES

Again put FQDN for both the fields.

System Center 2012 R2 Configuration Manager Preview Setup Wizard				
Customer Experience Improvement Program				
Do you want to join the Customer Experience Improvement Program (CEIP)? The program collects information about computer hardware and how you use Configuration Manager, without interrupting you. This helps Microsoft to improve Configuration Manager features. No information collected is used to identify or contact you.				
Read the CEIP privacy statement online Read the privacy statement online				
Ø Join the Customer Experience Improvement Program				
C I don't want to join the program at this time				
< Previous Next > Cancel				

FIGURE 38: CEIP ACCEPTANCE

Join the program and continue.

System Center 2012 R2 Configuration Manager Preview Setup Wizard				
Settings Summary				
Setup will install Configuration Manager with the following s You have selected to install this site as a stand-alone primary time by installing central administration site. Settings:	ettings. site. You can expand this site into a hierarchy at a later			
Setup Component	Component Details			
Setup Type	Primary site installation			
Site Code				
Site Name				
Role Communication Protocol	Client configured to communicate over both			
Clients Use PKI Certificate	No			
Product Key	EVAL			
Installation Directory	C:\Program Files\Microsoft Configuration Ma			
External File Folder	C:\Downloads			
To change these settings, click Previous. To apply the settings and start the installation prerequisite check, click Next.				
	< Previous Next > Cancel			

FIGURE 39: SETTING SUMMARY PRIOR DEPLOYMENT

Now SCCM is ready to install and this is the snapshot of the configuration.

etup is checking for potential installation problems. If problems are found, Setup will display details about how to esolve them.				
Prerequisite	Status	System	<b>^</b>	
Schema extensions	Warning	sccm01.de.local		
WSUS on site server	Warning	sccm01.de.local		
Microsoft Remote Differential Compression (RDC) libr	Failed	sccm01.de.local		
User State Migration Tool (USMT) installed	Failed	sccm01.de.local		
Verify site server permissions to publish to Active Dire	Warning	sccm01.de.local		
SQL Server process memory allocation	Warning	sccm01.de.local		
Windows Deployment Tools installed	Failed	sccm01.de.local	•	
Prerequisite checking has completed.				
The Windows Deployment Tools component of the Asse installed before Setup can continue. See http://go.micro	soft.com/fwlink/	loyment Kit (ADK) is required an ?LinkId=301570	nd must be	

#### FIGURE 40: PREREQUISITE CHECK

And since we haven't installed the Windows 8.1 ADK, now is a good time to so. After doing that Run Check again.

Windows Assessment and Deplo	oyment Kit for Windows 8.1 Preview 📃 🗖 🗙
Select the features you want to in Click a feature name for more information. Application Compatibility Tooikit (ACT) Deployment Toois Windows Preinstallation Environment (Windows PE) User State Migration Tool (USMT) Volume Activation Management Tool (VAMT) Windows Performance Tooikit Windows Assessment Services Microsoft SQL Server 2012 Express	stall User State Migration Tool (USMT) Size: 57,3 MB Tools to migrate user data from a previous installation of Windows to a new installation. Includes: • ScanState tool • LoadState tool • USMTUbils tool
	Estimated disk space required: 2.3 GB Disk space available: 108,1 GB Back Install Cancel

#### FIGURE 41: ADK INSTALLATION

You will only require the following components for the SCCM to work:

- Deployment Tools
- WinPE
- USMT

System Center 2012 R2 Configur	ation Manage	er Preview Setup Wizard	
Prerequisite Check			
Setup is checking for potential installation problems. If pr resolve them.	roblems are found	d, Setup will display details about h	ow to
Details:			
Prerequisite	Status	System	-
Schema extensions	Warning	sccm01.de.local	
WSUS on site server	Warning	sccm01.de.local	
Verify site server permissions to publish to Active Dire	Warning	sccm01.de.local	
SQL Server process memory allocation	Warning	sccm01.de.local	
IIS service running	Warning	sccm01.de.local	
BITS installed	Warning	sccm01.de.local	
BITS enabled	Warning	sccm01.de.local	•
Prerequisite checking has completed.			
Select an item to display details and information about h check results, see ConfigMgrPrereq.log.	how to resolve th	e problem. For a listing of all prereq	uisite 🔺
			v
		R	un Check
	_	< Previous Begin Install	Cancel

FIGURE 42: PREREQUISITE RE-CHECK

Now we have loads of warnings to install onto a domain controller. Let's begin install SCCM 2012 R2.

System Center 2012 R2 Configuration Manager Preview Setup	Wizard
Install	
Overall progress	
	Elapsed time: 00:00:03
🛟 Evaluating setup environment	
View Log	
< Previous	Next > Cancel

#### FIGURE 43: ACTUAL INSTALLATION TAKING PLACE

It will take significant amount of time to install, at least half an hour or so.

all	
Core setup has completed	
	Elapsed time: 00:22
🔮 Installing Hierarchy Manager	
Installing Inbox Manager	
Installing policy provider	
C Installing management point control manager	
C Setting up management point	
Installing boot image package	
Configuring data replication service	
Installing Configuration Manager console	
O Creating program group	
(i) You can close the wizard now. For a list of tasks to Tasks in the Configuration Manager Documentation	o help you configure your site, see <u>Post-Setup Configuration</u> on Library.
View Log	

#### FIGURE 44: SCCM 2012 R2 INSTALLATION COMPLETES

Installation is complete and you are free to run the SCCM console.



FIGURE 45: SCCM MANAGEMENT CONSOLE



- Blog Site: <u>http://mobs-bd.org</u>
- About Me: <u>http://mobs-bd.org/?page\_id=109</u>
- Profile @ Microsoft: https://www.mcpvirtualbusinesscard.com/VBCServer/shuvromcse/profile
   YouTube Training Channel: http://www.youtube.com/user/shuvromcse

