Install SQL Server 2012

August 19, 2013

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Operating System

We will first build a complete Application server by installing Windows 2012 Standard Server on a machine. Next, we will join the domain like any other machine. Our ensuing step is to install SQL 2012.



Windows SQL 2012 DVD

📕 d (\\Wds1) _ 🗆 🗵 download the We 🔻 😽 Search Network - WDS1 - d -Q (← Windows 2012 SOL Edit Tools File View Help iso file and load it to a 2 Views 🔻 Organize 🔻 Open DVD. Then, we place - Type → Size
 Date modified ÷ Name 🔺 Favorite Links the DVD in the optical 1033 ENU LP 2/14/2012 3:04 PM File Folder Documents 2/14/2012 3:05 PM File Folder redist drive and view the Pictures 2/14/2012 3:04 PM File Folder resources StreamInsight 2/14/2012 3:04 PM File Folder Music files. We select the 2/14/2012 3:04 PM File Folder Tools Recently Changed setup applications. 2/14/2012 3:06 PM File Folder x64 Searches 2/14/2012 3:06 PM File Folder x86 Open File - Security Warning X 2/10/2012 9:29 PM Setup Information 1 KB autorun 2/12/2012 2:40 AM te die Te fe XML Document 1 KE Do you want to run this file? 197 KB setup 2/11/2012 2:14 PM Application = setup.exe 2/10/2012 8:29 PM XML Configuratio... 1 ND Name: \\Wds1\d\setup.exe sqmapi.dll 2/11/2012 2:00 PM Application Exte... 147 KB Publisher: Microsoft Corporation Type: Application From: \\Wds1\d\setup.exe Cancel Run While files from the Internet can be useful, this file type can potentially harm your computer. Only run software from publishers you trust. What's the risk?

SQL Server Installation Center

In the SQL Server Installation Center, we should click on Installation on the left side of the dialog box and then we pick New SQL Server standalone installation on the right side of the window.



Setup Support Roles

On the Setup Support Rules page, we see the results of eight operations. We want each of them to pass.

We then press OK to continue.

🚼 SQL Server 2012 Setup					
Setup Support Rules					
Setup Support Rules identify prob before Setup can continue.	blems	that might occur when you install SQL Server Setup support files. Failu	res must be	e corrected	
Setup Support Rules	Ope	ration completed. Passed: 8. Failed 0. Warning 0. Skipped 0.			
	Hid <u>Viev</u>	e detail <u>s</u> << v detailed report			<u>R</u> e-run
		Rule	Status		
		Setup administrator	Passed		
		Setup account privileges	Passed		
		Restart computer	Passed		
		Windows Management Instrumentation (WMI) service	Passed		
		Consistency validation for SQL Server registry keys	Passed		
		Long path names to files on SQL Server installation media	Passed		
		SQL Server Setup Product Incompatibility	Passed		
		.NET 2.0 and .NET 3.5 Service Pack 1 update for Windows Vista and	Passed		
				ОК	Cancel

Product Key

We enter the product key of the software.

髂 SQL Server 2012 Setup	
Product Key	
Specify the edition of SQL Serve	er 2012 to install.
Product Key License Terms Product Updates Install Setup Files	Validate this instance of SQL Server 2012 by entering the 25-character key from the Microsoft certificate of authenticity or product packaging. You can also specify a free edition of SQL Server, such as Evaluation or Express. Evaluation has the largest set of SQL Server features, as documented in SQL Server Books Online, and is activated with a 180-day expiration. To upgrade from one edition to another, run the Edition Upgrade Wizard.
	< <u>B</u> ack <u>N</u> ext > Cancel

License Terms

Next, we except the license terms and we will approve sending usage data to Microsoft.

🎲 SQL Server 2012 Setup		
License Terms To install SQL Server 2012, you	must accept the Microsoft Software License Terms.	
Product Key License Terms Product Updates Install Setup Files	MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT SQL SERVER 2012 ENTERPRISE SERVER/CAL EDITION These license terms are an agreement between Microsoft Corporation (or based on where you	
	 live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft updates, supplements, 	
	 Internet-based services, and support services for this software, unless other terms accompany those items. If so, those terms apply. 	Ţ
	Copy E Copy E ✓ I accept the license terms. ✓ Send feature usage data to Microsoft. Feature usage data includes information about your hardware configuration and how you use SQL Server and its components.	∂ rint
	See the Microsoft SQL Server 2012 Privacy Statement for more information. < Back	

Install Setup Files

Next, the setup files are installed.

a cotup	🎲 SQL Server 2012 Setup			<u>- 0 ×</u>
esetup	Install Setup Files			
_	SQL Server Setup will now be ins be installed.	talled. If an update for SQL Server Setup is fo	ound and specified to be included, the update will also	
	Product Key License Terms Product Updates	SQL Server Setup files are being installed o	on the system.	
	Install Setup Files	Task	Status	
		Scan for product updates	Completed	
		Download Setup files	Skipped	
		Extract Setup files	Skipped	
		Install Setup files	In Progress	
			< <u>B</u> ack <u>I</u> nstall	Cancel

Setup Support Rules

On the Setup Support Rules page, we see the results of eight operations. We want each of them to pass.

We then press OK to continue.

🚼 SQL Server 2012 Setup

Setup Support Rules

Setup Support Rules identify problems that might occur when you install SQL Server Setup support files. Failures must be corrected before Setup can continue.

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Istallation Rules	Hide detail <u>s</u> <<			<u>R</u> e-
sk Space Requirements	View detailed repo	<u>irt</u>		
ror Reporting		Pula pama	- Chathar	
stallation Configuration Rules	Rule	Tamalata Library (ATL)	Status	
eady to Install	Pusion Acuve		Passeu	
istallation Progress	Previous relea	ases of SQL Server 2008 Business Intelligence	e Develop Passed	
omplete	No SxS install	with SQL Server "Denali" CTP0	Passed	
	Consistency v	validation for SQL Server registry keys	Passed	
	Computer don	nain controller	Passed	
	Microsoft .NET	T Application Security	Passed	
	Edition WOW6	54 platform	Passed	
	Windows Firev	wall	Passed	

Setup Role

We choose SQL Server Feature Installation.

🚼 SQL Server 2012 Setup	
Setup Role	
Click the SQL Server Feature Insta install a specific configuration.	allation option to individually select which feature components to install, or click a feature role to
Setup Support Rules	© SQL Server Feature Installation
Setup Role	Install SQL Server Database Engine Services, Analysis Services, Reporting Services, Integration Services, and
Feature Selection	other features.
Installation Rules	C SQL Server PowerPivot for SharePoint
Disk Space Requirements	Install PowerPivot for SharePoint on a new or existing SharePoint 2010 server to support PowerPivot data access
Error Reporting	in the farm. Optionally, add the SQL Server relational database engine to use as the new farm's database server.
Installation Configuration Rules	Add SQL Server Database <u>Relational Engine Services to this installation</u> .
Ready to Install	C All Features With <u>D</u> efaults
Installation Progress	Install all features using default values for the service accounts.
	< <u>B</u> ack <u>N</u> ext > Cancel Help

Feature Selection

We will pick the Select All button and then push the Next button.

Feature Selection Select the Enterprise features to	install.	
Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Analysis Services Configuration Analysis Services Configuration Distributed Replay Controller Distributed Replay Controller Distributed Replay Client Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Eeatures: Instance Features Database Engine Services SQL Server Replication Full-Text and Semantic Extractions for Search Data Quality Services Analysis Services Analysis Services Reporting Services - Native Shared Features Reporting Services - SharePoint Reporting Services - SharePoint Reporting Services - SharePoint Reporting Services - SharePoint Reporting Services Add-in for SharePoint Products Data Quality Client SQL Server Data Tools Client Tools Connectivity Integration Services Client Tools Backwards Compatibility Client Tools SDK Documentation Components Management Tools - Basic Management Tools - Complete Distributed Replay Controller Select All Inselect All Shared feature directory (x86): C:\Program Files (Microsoft SC	Feature description: The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances can operate side-by-side on the same computer. Prerequisites for selected features: Already installed: Windows PowerShell 2.0 Microsoft .NET Framework 3.5 To be installed from media: Microsoft Visual Studio 2010 Shell Microsoft Visual Studio Tools for Applica Image: Prevent in the same computer is the same computer. Windows PowerShell 2.0 Microsoft .NET Framework 3.5 To be installed from media: Microsoft Visual Studio 2010 Shell Microsoft Visual Studio Tools for Application of the same computer is soft SQL Server in the same computer is soft SQL Server in the same computer is soft soft server in the same computer is soft soft server in the same computer is set to the same computer is soft server in the same computer is set to the same computer is set to the same computer in the same computer is set to the same computer in the same computer is set to the same computer in the same computer is set to the same computer is set to the same computer in the same computer is set to the same computer in the same computer is set to the same computer in the same computer is set to the same computer in the same computer is set to the same computer in the same

Installation Rules

On the Installation Rules page, we see the results of two operations. We want each of them to pass.

We then press Next to advance.

SQL Server 2012 Setup		
Installation Rules	ine if the installation process will be blocked. For more informatio	
Setup Support Rules	Operation completed. Passed: 2. Failed 0. Warning 0. Skip	ped 0.
Setup Role		
Feature Selection		
Installation Rules	Hide detail <u>s</u> <<	<u>R</u> e-r
Instance Configuration	View detailed report	
Disk Space Requirements		Chables
Server Configuration	Rule	Ramod
Database Engine Configuration		<u>rasseu</u>
Analysis Services Configuration	Microsoft .NET Framework 3.5 Service Pack 1 is required	Passed
Reporting Services Configuration		
Distributed Replay Client		
Frror Reporting		
Installation Configuration Rules		
Ready to Install		
Installation Progress		
Complete		
		1 I I
	< <u>B</u> a	ck <u>N</u> ext > Cancel Help

Instance Configuration

Give the SQL server an unique ID and press next.

Instance Configurati	on				
Specify the name and instance	e ID for the instance of SQL S	erver. Instance ID beco	mes part of the installati	ion path.	
Setup Support Rules	Default instance				
Setup Role Feature Selection	C Named instance:	MSSQLSERVER			
Installation Rules		\frown			
Instance Configuration	Instance <u>I</u> D:	MSSQLSERVER			
Disk Space Requirements Server Configuration	Instance <u>r</u> oot directory	: CNProgram Files	Microsoft SQL Server\		
Database Engine Configuration Analysis Services Configuration	SQL Server directory:	C:\Program Files	\Microsoft SQL Server\M	ISSQL11.MSSQLSE	ERVER
Reporting Services Configuration	Analysis Services direct	ory: C:\Program Files	\Microsoft SQL Server\M	ISAS11.MSSQLSER	RVER
Distributed Replay Client	Reporting Services dire	ctory: C:\Program Files	\Microsoft SQL Server\M	ISRS11.MSSQLSEF	RVER
Error Reporting	Installed instances:				
Installation Configuration Rules	Instance Name	Instance ID	Features	Edition	Version
Ready to Install	MSSQLSERVER	MSSQL.1,MSSQL.2	SQLEngine,SQLEngin	Developer	9.00.1399.06
Installation Progress	<shared component<="" td=""><td></td><td>DTS, Tools, Tools\To</td><td></td><td>9.00.1399.06</td></shared>		DTS, Tools, Tools\To		9.00.1399.06
	1			No.45	1

Disk Space Requirement

On the Disk Space Requirement page, we see the results of the single operations. We want each of them to pass.

We then press Next to go on.

🍀 SQL Server 2012 Setup

Disk Space Requirements Review the disk space summary for the SQL Server features you selected. Setup Support Rules Disk Usage Summary: Setup Role Drive C: 7820 MB required, 123636 MB available Feature Selection System Drive (C:\): 3884 MB required Shared Install Directory (C:\Program Files\Microsoft SQL Server\): 1642 MB required Installation Rules Instance Directory (C:\Program Files\Microsoft SQL Server\): 2294 MB required Instance Configuration **Disk Space Requirements** Server Configuration Database Engine Configuration Analysis Services Configuration Reporting Services Configuration Distributed Replay Controller Distributed Replay Client Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete

< <u>B</u>ack

<u>N</u>ext >

Cancel

Help

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Server Configuration

We check the services on the Service Account tab.

🍀 SQL Server 2012 Setup

Server Configuration

Specify the service accounts and collation configuration.

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	1
Distributed Replay Controller	
Distributed Replay Client	
Error Reporting	
Installation Configuration Rules	
Ready to Install	
Installation Progress	
Complete	

Service Accounts Collation

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Agent	NT AUTHORITY WETWORK		Manual 💌
SQL Server Database Engine	NT AUTHORITY WETWORK		Automatic 💌
SQL Server Analysis Services	NT AUTHORITY WETWORK		Automatic 💌
SQL Server Reporting Services	NT AUTHORITY WETWORK		Automatic 💌
SQL Server Integration Services 11.0	NT AUTHORITY WETWORK		Automatic 💌
SQL Server Distributed Replay Client	NT AUTHORITY WETWORK		Manual 💌
SQL Server Distributed Replay Contro	NT AUTHORITY WETWORK		Manual 💌
SQL Full-text Filter Daemon Launcher	NT AUTHORITY\LOCAL SE		Manual
SQL Server Browser	NT AUTHORITY\SYSTEM		Automatic 💌

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Server Configuration

We check the Collation tab.

Constitution and the second second	a la la construcción de la c	
Specify the service accounts and	collation configuration.	
Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Analysis Services Configuration Analysis Services Configuration Distributed Replay Controller Distributed Replay Controller Distributed Replay Client Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Service Accounts Collation Database Engine:	<u>C</u> ustomiz C <u>u</u> stomiz

Password

We enter and confirm the server password. We also add the current user by pressing that same name button.

🚼 SQL Server 2012 Setup

_ 🗆 × Database Engine Configuration Specify Database Engine authentication security mode, administrators and data directories. Setup Support Rules Server Configuration Data Directories FILESTREAM Setup Role Specify the authentication mode and administrators for the Database Engine. Feature Selection Installation Rules Authentication Mode Instance Configuration O Windows authentication mode **Disk Space Requirements** Mixed Mode (SQL Server authentication and Windows authentication) Server Configuration Specify the password for the SQL Server system administrator (sa) account. **Database Engine Configuration** Analysis Services Configuration Enter password: ••••••• Reporting Services Configuration Confirm password: ••••••• Distributed Replay Controller Distributed Replay Client CCISERVER\Administrator (Administrator) Error Reporting SOL Server administrators have unrestricted access to the Installation Configuration Rules Database Engine. Ready to Install Installation Progress Complete Add Current User <u>A</u>dd... Remove

Next >

< Back

Cancel

Help

Analysis Services Configuration

We again add the current user by pressing that same name button.

Specify Analysis Services server	modes, administrators, and data directories.
Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Database Engine Configuration Analysis Services Configuration Distributed Replay Controller Distributed Replay Controller Distributed Replay Client Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Server Configuration Data Directories Server Mode: Multidimensional and Data Mining Mode Tabular Mode Specify which users have administrative permissions for Analysis Services. CCISERVER \Administrator (Administrator) Analysis Services administrators have unrestricted access to Analysis Services.
	Add <u>Current User</u> <u>A</u> dd <u>R</u> emove

Reporting Services Configuration

We want to opt for install and configure reporting services native mode. We also opt for install only for reporting services SharePoint integrated mode.

SQL Server 2012 Setup

Distributed Replay Controller

We add the current user by pressing that same name button.

🚼 SQL Server 2012 Setup _ 🗆 🗵 **Distributed Replay Controller** Specify Distributed Replay Controller service access permissions. Specify which users have permissions for the Distributed Replay Controller service. Setup Support Rules Setup Role CCISERVER Administrator (Administrator) Users that have been granted Feature Selection permission will have unlimited access to the Distributed Replay Installation Rules Controller service. Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Analysis Services Configuration Reporting Services Configuration **Distributed Replay Controller** Distributed Replay Client Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete Add Current User <u>A</u>dd... Remove < Back Next > Cancel Help

Distributed Replay Client

We named our controller "Controller 65", so we want an unique name.

🊼 SQL Server 2012 Setup			
Distributed Replay Clic Specify the corresponding control	ent oller and data directories	es for the Distributed Replay Client.	
Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Database Engine Configuration Analysis Services Configuration Distributed Replay Controller Distributed Replay Client Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Specify controller m <u>C</u> ontroller Name: <u>W</u> orking Directory: <u>R</u> esult Directory:	nachine name and directory locations. Contoller65 C:\Program Files (x86)\Microsoft SQL Server\DReplayClient\WorkingDir\ C:\Program Files (x86)\Microsoft SQL Server\DReplayClient\ResultDir\	
		< <u>B</u> ack <u>N</u> ext > Cancel	Help

Error Reporting

We accept the default and press Next.

🚼 SQL Server 2012 Setup	
Error Reporting	
Help Microsoft improve SQL Se	erver features and 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 Distributed Replay Controller Distributed Replay Controller Distributed Replay Client Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Specify the information that you would like to automatically send to Microsoft to improve future releases of SQL Server. These settings are optional. Microsoft treats this information as confidential. Microsoft may provide updates through Microsoft Update to modify feature usage data. These updates might be downloaded and installed on your machine automatically, depending on your Automatic Update settings. See the Microsoft SQL Server 2012 Privacy Statement for more information. Read more about Microsoft Update and Automatic Update. ✓ Send Windows and SQL Server Error Reports to Microsoft or your corporate report server. This setting only applies to services that run without user interaction.
	< <u>B</u> ack <u>N</u> ext > Cancel Help

Installation Configuration Rules

On the Installation Configuration Rules page, we see the results of seven completed operations. We want each of them to pass.

We then press Next to advance.

🚼 SQL Server 2012 Setup - 🗆 × Installation Configuration Rules Setup is running rules to determine if the installation process will be blocked. For more information, click Help. Operation completed. Passed: 7. Failed 0. Warning 0. Skipped 0. Setup Support Rules Setup Role Feature Selection Hide details << Re-run Installation Rules Instance Configuration View detailed report **Disk Space Requirements** Rule Status Server Configuration FAT32 File System Passed Database Engine Configuration Existing dustered or duster-prepared instance Analysis Services Configuration Passed Reporting Services Configuration Cross language installation Passed Distributed Replay Controller Same architecture installation Passed Distributed Replay Client Reporting Services Catalog Database File Existence Passed Error Reporting Reporting Services Catalog Temporary Database File Existence Passed Installation Configuration Rul... \sim SQL Server Analysis Services Server Mode and Edition Check Ready to Install Passed Installation Progress Complete

< <u>B</u>ack

Next >

Cancel

Help

Ready to Install

We can check the summary and then pick the Install button.

😵 SQL Server 2012 Setup Ready to Install

Verify the SQL Server 2012 features to be installed.

Setup Role				
Facture Calenting	E-Summary			
Feature Selection				
Installation Rules				
Instance Configuration				
Disk Space Requirements				
Server Configuration	Microsoft NET Framework 3.5			
	□ To be installed from media:			
	Microsoft .NET Framework 4.0 (may require reboot)			
Analysis Services Configuration	Microsoft Visual Studio 2010 Shell			
Reporting Services Configuration	Microsoft Visual Studio Tools for Applications 3.0			
Distributed Replay Controller				
Distributed Replay Client	Features			
Error Reporting	Database Engine Services			
Installation Configuration Pules	SQL Server Replication			
	- Full-Text and Semantic Extractions for Search			
Ready to Install	Data Quality Services			
Installation Progress	- Analysis Services			
Complete	Reporting Services - Native			
	- Data Quality Client			
	Configuration file path:			
	C:\Program Files\Microsoft SQL Server\110\Setup Bootstrap\Log\20120814_141359\ConfigurationFile.ini			

Installation Progress

It will take about an hour to install the software.

🍀 SQL Server 2012 Setup	
Installation Progress	
Setup Support Rules Setup Role Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Database Engine Configuration Analysis Services Configuration Distributed Replay Controller Distributed Replay Controller Distributed Replay Client Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete	Install_WatsonX86_Cpu32_Action
	Next > Cancel Help

Installation Completed

We succeeded in the installation.

SQL Server 2012 Setup

Complete

Your SQL Server 2012 installation completed successfully with product updates.

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 Distributed Replay Controller Distributed Replay Client Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete

Information about the Setup operation or possible next steps:

Г	Feature	Status	-
	Management Tools - Complete	Succeeded	
	Client Tools Connectivity	Succeeded	
	Client Tools SDK	Succeeded	-
	Client Tools Backwards Compatibility	Succeeded	
	Management Tools - Basic	Succeeded	
	SQL Server Data Tools	Succeeded	
	Reporting Services - Native	Succeeded	
	Database Engine Services	Succeeded	•

Details:

Viewing Product Documentation for SQL Server

Only the components that you use to view and manage the documentation for SQL Server have been installed. By default, the Help Viewer component uses the online library. After installing SQL Server, you can use the Help Library Manager component to download documentation to your local computer. For more information, see <u>Use Microsoft Books Online for SQL Server</u>. <<u>http://go.microsoft.com/fwlink/?LinkID=224683></u> (<u>http://go.microsoft.com/fwlink/?LinkID=224683></u>).

Summary log file has been saved to the following location:

<u>C:\Program Files\Microsoft SQL Server\110\Setup Bootstrap\Log\20120814_141359</u> \Summary_CCIServer_20120814_141359.bxt

Close

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Help