

Millennium Expert/Enterprise/Xtra/Ultra

Technical Bulletin 037

03-7-2016

Title: Manually Installing SQL Server

Contents: This document explains how to manually install Microsoft SQL server 2014 for use with Millennium Expert, Enterprise, Xtra, and Ultra. SQL server is the common application that all the products use to run their databases, and it is required to be installed before any of the Millennium software can be installed.

Procedure:

1. Browse to the **SQL** folder in the installation disc and run the **setup.exe** file:

│ Name	Date modified	Туре
📙 1033_ENU_LP	8/15/2015 8:42 AM	File folder
📕 redist	8/15/2015 8:49 AM	File folder
📜 resources	8/15/2015 8:49 AM	File folder
📕 x86	8/15/2015 8:56 AM	File folder
J AUTORUN	2/5/2014 11:00 PM	Setup Information
MEDIAINFO	2/20/2014 11:00 PM	XML Document
Packageld.dat	11/5/2014 11:00 PM	DAT File
SETUP	2/19/2014 11:00 PM	Application
SETUP.EXE.CONFIG	1/15/2014 11:00 PM	CONFIG File
SQLSETUPBOOTSTRAPPER.DLL	2/19/2014 11:00 PM	Application extensior
SOMAPI.DLL	2/19/2014 11:00 PM	Application extensior

2. If this is a new computer, you want to select the New SQL Server stand-alone installation option that is highlighted below. If the computer already has an older version of SQL server installed, but it is not used for anything else, then you can select the Upgrade from SQL Server option and the installer will go through the upgrade process for SQL. NOTE: For upgrading an existing SQL instance, please see the guide on upgrading a SQL Instance. This document will only focus on the new SQL Instance Installation

🐮 SQL Server Installation Center		- 0	×
Planning Installation Maintenance Tools Resources	*	 New SQL Server stand-alone installation or add features to an existing installation Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add features to an existing SQL Server 2014 instance. Upgrade from SQL Server 2005, SQL Server 2008, SQL Server 2008 R2 or SQL Server 2012 Launch a wizard to upgrade SQL Server 2005, SQL Server 2008, SQL Server 2008 R2 or SQ Server 2012 to SQL Server 2014. 	2
Options			
Microsoft SQL Server 2014			

3. You must select the checkbox stating that you accept the License Terms from Microsoft. If you wish to review the License Terms, you can use the provided buttons to copy them to the clipboard to paste them into Microsoft Word or Notepad, or you can select Print to print the License Terms for review.

髋 SQL Server 2014 Setup

License Terms To install SQL Server 2014, y	you must accept the Microsoft Software License Terms.
License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules	MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT SQL SERVER 2014 EXPRESS 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,
Feature Configuration Rules Installation Progress Complete	supplements,
	Iurn on Customer Experience Improvement Program ("CEIP") and Error Reporting to help improve the quality, reliability and performance of Microsoft SQL Server 2014. See the Microsoft SQL Server 2014 Privacy Statement for more information. * Microsoft SQL Server 2014 also includes a Visual Studio component that will have CEIP settings turned off by default. If Visual Studio is installed, this component will use the CEIP settings for Visual Studio.
	< <u>B</u> ack <u>N</u> ext > Cancel

- 4. The installation will then perform a quick rule check to verify that your computer has everything already installed that the SQL Server needs, as well as your computer does not have any pending reboots for updates. If you have a pending reboot for an update, then the installer will not allow you to continue until you perform the update and restart the computer. If all the rule checks pass, you will be able to move on to the next step.
- 5. Then next step is to tell the system if you wish to allow Microsoft Update to check for updates to the installation before you begin. This is an optional step, however it is recommended that you allow the software to download any updates before you start as there are updates that have been released to patch security and performance issues that were found with the software.

_

Х

髋 SQL Server 2	2014 Se	etup
----------------	---------	------

Microsoft Update	for important updates
License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Feature Configuration Rules Installation Progress Complete	Microsoft Update offers security and other important updates for Windows and other Microsoft software, including SQL Server 2014. Updates are delivered using Automatic Updates, or you can visit the Microsoft Update website. Use Microsoft Update to check for updates (recommended) Microsoft Update FAQ Microsoft Update Privacy Statement
	< <u>B</u> ack <u>N</u> ext > Cancel

- 6. Once the updated files are downloaded, you will be able to move on to the next step.
- The next step is the Feature Selection; this is the step where we select the features of the SQL database instance. The screen below shows the features that should be selected to allow Millennium Access Control Applications to function correctly.

 \times

_

髋 SQL Server 2014 Setup

_

Feature Selection

Select the Express features to install.

License Terms	<u>F</u> eatures:		Feature description:	
Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress	Shared Features Client Tools Connectivity Client Tools Backwards Compatibility Client Tools SDK Documentation Components		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 side-by-side on Prerequisites for selected features: Already installed: Windows PowerShell 2.0 Microsoft .NFT Framework 3.5 Disk Space Requirements Drive C: 2784 MB required, 55286 MB available	
Complete	Select <u>All</u> <u>Unselect All</u> Instance <u>r</u> oot directory: <u>Shared feature directory</u> : Shared feature directory (<u>x</u> 86):	C:\Program Files\Mic)\Microsoft SQL Server\ crosoft SQL Server\)\Microsoft SQL Server\ Next > Cancel Help	

- 8. This is also the screen where you can select what drives SQL will be installed on, and where it will set the default database locations.
- 9. The next step is to configure the SQL database Instance Name. You can leave this as the default, however just make a note of what it is as when you go to perform the software installation, it will ask you for the SQL instance.

🐮 SQL Server 2014 Setup

Instance Configuration Specify the name and instance		QL Server. Instance ID b	ecomes part of the in	stallation path.	
License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	 <u>D</u>efault instance N<u>a</u>med instance: 	SQLExpress			
	Instance <u>I</u> D: SQL Server directory: Installed instances:	SQLEXPRESS C:\Program Files (x86)\Microsoft SQL Serve	r\MSSQL12.SQLEXPRE	25
	Instance Name	Instance ID	Features	Edition	Version
			< <u>B</u> ack <u>N</u> ex	t > Cancel	Help

- 10. When you are ready, click Next.
- 11. At this step we will configure how the services will startup. You want to set both the **SQL Server Database Engine** and the **SQL Server Browser** startup type to be **Automatic**.

_

Х

髋 SQL Server 2014 Setup

Server Configuration

Specify the service accounts and collation configuration.

	Service Accounts Collation			
Global Rules	Microsoft recommends that you use	a separate account for each	SOL Server serv	ice.
Microsoft Update		·		
Product Updates	Service	Account Name	Password	Startup Type
Install Setup Files	SQL Server Database Engine	NT Service\MSSQL\$SQL		Automatic ~
Install Rules	SQL Full-text Filter Daemon Launc	NT Service\MSSQLFDLa		Manual
Feature Selection	SQL Server Browser	NT AUTHORITY\LOCAL		Automatic 🗸
Feature Rules				
Instance Configuration				
Server Configuration				
cerver configuration				
Detabase Francisco Configuration				
Feature Configuration Rules				
Feature Configuration Rules				
Feature Configuration Rules				
Feature Configuration Rules				
Feature Configuration Rules nstallation Progress				
eature Configuration Rules				
eature Configuration Rules				
Feature Configuration Rules				
Database Engine Configuration Feature Configuration Rules Installation Progress Complete				

- 12. When you are ready, click Next.
- 13. Now, the installation will allow you to configure the Authentication methods. By default SQL will use Windows Authentication and it will automatically add the currently logged in user to the Administrators group. It is recommended that you set the Authentication Mode to Mixed Mode and set the default SQL sa Administrator password as this will provide a secondary method to gain access to SQL in case something happens to the Windows account that you have added.

 \Box \times

_

髋 SQL Server 2014 Setup		- 🗆	Х
Database Engine Confi	-		
Specify Database Engine authe	ntication security mode, administrators and data directories.		
License Terms	Server Configuration Data Directories User Instances		
Global Rules Microsoft Update	Specify the authentication mode and administrators for the Database	Engine.	
Product Updates	Authentication Mode		-
Install Setup Files	○ <u>W</u> indows authentication mode		
Install Rules Feature Selection	<u>M</u> ixed Mode (SQL Server authentication and Windows authenticati	on)	
Feature Selection	Specify the password for the SQL Server system administrator (sa) acc	ount.	
Instance Configuration	Enter password:		1
Server Configuration			1
Database Engine Configuration	Confirm password:		
Feature Configuration Rules	Specify SQL Server administrators		-
Installation Progress	XPS-15\Tim (Tim)	SQL Server administrators	
Complete		have unrestricted access to the Database Engine.	
	Add <u>C</u> urrent User <u>A</u> dd <u>R</u> emove		
			_
	< <u>B</u> ack <u>N</u> ext >	Cancel Help	

- 14. When you have added all the Windows users to the Administrators list, click Next.
- 15. Now the system will install SQL on the computer.

1 The setup 1014 Setup

📸 SQL Server 2014 Setup		_		×
Installation Progress				
License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Generating ordered dependency feature list.			
	<u>N</u> ext > Cancel		Help	

16. Once this is complete, simply click on Finish and you can now install any Millennium Access Control software that you have to this system.