Installation Guide



## **BillQuick-SQL 2012 Express Installation**

Built With Your Industry Knowledge



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## **SQL Express Installation**

The Microsoft<sup>®</sup> SQL Server<sup>®</sup> 2012 Express software is the database engine you will use to store and report on data in BillQuick (Enterprise edition). It is available free from Microsoft and is a replacement for MSDE and SQL 2005.

We do not recommend using SQL Server 2005 that might be installed with your Windows Server because other software programs that rely on that SQL Server Instance may break if you attempt to install service pack updates on them.

#### **Installing SQL 2012 Express**

Please follow the steps below to install SQL Server 2012 Express edition. If you prefer, <u>click here to</u> watch a video on installing SQL Server Express.

1. Download the appropriate SQL Server 2012 Express setup to your desktop.

Express Version	System
Microsoft <sup>®</sup> SQL Server <sup>®</sup> 2012 Express <u>SP1</u>	For 32-Bit machines, download the file: SQLEXPRWT_x86_ENU.exe
	For 64-Bit machines, download the file: <u>SQLEXPRWT_x64_ENU.exe</u>

- 2. Run the setup. The SQL Server Installation Center displays.
- 3. Select 'New SQL Server stand-alone installation or add features to an existing installation' and then click Next to proceed.



- 4. Read and accept the license agreement. Click Next.
- 5. Select the Express features you want to install (*as shown below*) and also the location where the SQL Server will be installed. Then click Next.

5	SQL Server 2012 Setup	- 0 X		
Feature Selection Select the Express features to in	nstall.			
Setup Support Rules	Features:	Feature description:		
Instance Feature           Instance Feature           Instance Configuration           Instance Configuration           Nsk Space Requirements           Inverse Configuration           Shared Features           Database Engine Services           Solution           Shared Features           Shared Features           Database Engine Configuration           Shared Features           Solution		The configuration and operation of each instance feature of a SQL Server instances isolated from other SQL Server instances. SQL Server instances. SQL Server instances can operate side-by-side on the same computer.		
Reporting Services Configuration	Documentation Components	Prerequisites for selected features:		
Error Reporting Installation Configuration Rules Installation Progress Complete	Management Tools - Basic SQL Client Connectivity SDK LocalDB Redistributable Features	Already installed: Microsoft .NET Framework 4.0 Windows PowerShell 2.0 To be installed from media: Microsoft Visual Studio 2010 Shell Microsoft Visual Studio Tools for Applicati v		
	L.	C 10 2		
	Shared feature directory: C\Program Files\Micro	soft SQL Server\		
	Shared feature directory (x86): C:\Program Files (x86)\	Microsoft SQL Server\		
	< Back	Next > Cancel Help		

6. Review the name and ID for the instance of SQL Server. If this is the first instance of SQL Server on your computer, you might set it to 'Default instance'. However, if you already have another instance, use 'Named instance' and then enter a name for it. Click Next to proceed.

ta	SQL	Server 201	2 Setup		- • ×
Instance Configuration Specify the name and instance	<b>1</b> = ID for the instance of SQL S	erver. Instance	ID becomes part of t	the installation path.	
Setup Support Rules Feature Selection Installation Rules	Default instance     Named instance:	MSSQLS	ERVER		
Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Instance ID: Instance root directory:	MSSQLS C:\Progr	ERVER am Files\Microsoft SC	QL Server\	···
	SQL Server directory: Reporting Services directo Installed instances:	C:\Progra ry: C:\Progra	am Files\Microsoft SQ am Files\Microsoft SQ	L Server\MSSQL11.M L Server\MSRS11.MS	SSQLSERVER SQLSERVER
	Instance Name Ins	stance ID	Features	Edition	Version
			< Back	Next > Cai	ncel Help

7. You can change the Windows services associated with this instance of SQL Server. Keep the defaults unless you want to specify different user accounts for the services. Microsoft recommends using a separate account for each service. You can also change the default collation settings if you are outside USA. Click Next.

1	SQL Server 201	2 Setup			I X
Server Configuration Specify the service accounts and	d collation configuration.				
Setup Support Rules Feature Selection Installation Rules	Service Accounts Collation Microsoft recommends that you use	a separate account for each	SQL Server servic	ce.	
Instance Configuration	Service	Account Name	Password	Startup Type	
Disk Space Requirements	SQL Server Database Engine	NT Service\MSSQLSERVER		Automatic	$\overline{}$
Server Configuration	SQL Server Reporting Services	NT Service\ReportServer		Automatic	V
Database Engine Configuration	SQL Full-text Filter Daemon Launc	NT Service\MSSQLFDLa	1	Manual	
Reporting Services Configuration	SQL Server Browser	NT AUTHORITY\LOCAL		Disabled	~
Installation Configuration Rules Installation Progress Complete					
		< Back Next :	> Canc	el He	lp

We highly recommend that you write down the password. In case you forget it, you cannot recover it and will have to reinstall SQL Server.

8. On the Server Configuration tab, review the Authentication Mode and administrators that will be added to the Database Engine. You can choose the *Windows authentication mode* (where SQL Server will only authenticate using Windows accounts) or *Mixed Mode* (which will allow both Windows accounts and SQL accounts). In the latter case, set a password for the system administrator (sa) account. From here, you can also add or remove accounts that will be SQL Server administrators.

1	SQL Server 2012 Setup	X
Database Engine Confi Specify Database Engine authe	guration ntication security mode, administrators and data directories.	
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration <b>Database Engine Configuration</b> Reporting Services Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Server Configuration       Data Directories       User Instances       FILESTREAM         Specify the authentication mode and administrators for the Database Engine.         Authentication Mode         O Windows authentication mode            Mixed Mode (SQL Server authentication and Windows authentication)         Specify the password for the SQL Server system administrator (sa) account.         Enter password:            Confirm password:            Specify SQL Server administrators	
	WIN-NNOPTKT9Q5V/Administrator (Administrator)       SQL         have       SQL         have       to the second seco	Server administrators e unrestricted access ne Database Engine.
	Sack Next > Car	icel Help

9. Move to the Data Directories tab. Here you can change the locations of various files that SQL will be using. We recommend putting the database and log folders on separate drives. Else, you can keep the default values. Click Next.

1	SQL Serv	er 2012 Setup		_		x
Database Engine Confi Specify Database Engine auther Setup Support Rules Feature Selection	guration ntication security mode, administra Server Configuration Dat	ators and data directories. a Directories User Instances	FILESTREAM			
Installation Rules Instance Configuration Disk Space Requirements Server Configuration <b>Database Engine Configuration</b> Reporting Services Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	System database directory: System database directory: User database log directory: Temp DB directory: Temp DB log directory: Backup directory:	C:\Program Files\Microsoft Server\MSSQL11.MSSQLSEF C:\Program Files\Microsoft C:\Program Files\Microsoft C:\Program Files\Microsoft C:\Program Files\Microsoft C:\Program Files\Microsoft	SQL SQL VER\MSSQL\Data SQL Server\MSSQL11.MSSQL SQL Server\MSSQL11.MSSQL SQL Server\MSSQL11.MSSQL SQL Server\MSSQL11.MSSQL SQL Server\MSSQL11.MSSQL	SERVER' SERVER' SERVER' SERVER'		] ] ]
		< Back	Next > Cancel	ŀ	lelp	



10. On the Reporting Services Configuration page, select the 'Install only' option if you don't need reporting services for now. You can configure this later, if needed. Click Next.

1	SQL Server 2012 Setup
Reporting Services Co Specify the Reporting Services Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Reporting Services Configura Error Reporting Installation Configuration Rules 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.         Installs and configures the report server in native mode. The report server is operational after setup completes.         Install only.         Installs 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

11. Review the Error Reporting settings. We encourage you to check this option so that Microsoft gets error reports and product feedback on an ongoing basic. Click Next.



1	SQL Server 2012 Setup
Error Reporting Help Microsoft improve SQL Set Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	SQL Server 2012 Setup  erver features and services.  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.
	< Back Next > Cancel Help

12. Now the SQL Server installation begins and may take some time. When it is complete, click Close. You must restart your computer.

# **SQL Express Configuration**

With the SQL Server 2012 Express edition installed, you can configure it to your system. Please follow the instructions below.

On the Windows taskbar, click Start. From the menu, select Program, Microsoft SQL Server 2012
 > Configuration Tools > SQL Server Configuration Manager.

Sql Server Configuration Manager		_	
File     Action     View     Help       Image: I			
🕵 SQL Server Configuration Manager (Local)	Name	Order	Enabled
<ul> <li>SQL Server Services</li> <li>SQL Server Network Configuration (32bit)</li> <li>SQL Native Client 11.0 Configuration (32bit)</li> <li>Client Protocols</li> <li>Aliases</li> <li>SQL Server Network Configuration</li> <li>SQL Server Network Configuration</li> <li>SQL Native Client 11.0 Configuration</li> </ul>	ិធិ Shared Memory ធិ TCP/IP ធិ Named Pipes	1 2 3	Enabled Enabled Enabled
	<		•

- Click on SQL Server Network Configuration > Protocols for SQLEXPRESS.
- Double-click on TCP/IP. Under Properties set Enabled to Yes. Click Apply.
- You are prompted to restart the service for changes to take effect. Click OK.
- Double-click on Named Pipes.
   Under Properties set Enabled to Yes. Click Apply.
- Again, you are prompted to restart the service for changes to take effect. Click OK.

TCP/IP Properties	?
Protocol IP Addresses	
General	
Enabled	No
Keep Alive	Yes
Listen All	No
Enabled Enable or disable TCP/IP protocol f	or this server instance
OK Cance	el Apply Help



7. Select SQL Server Services. Double-click SQL Server Browser to bring up its properties.



8. Click on the Service tab. Set Start Mode to Automatic.

Log On Service Advance	ed
□ General	
Binary Path	"c:\Program Files (x86)\Microsoft 9
Error Control	1
Exit Code	1077
Host Name	NAIRA-PC
Name	SQL Server Browser
Process ID	0
SQL Service Type	SQL Browser
Start Mode	Disabled 👻
State	Automatic
	Disabled
	Manual
Start Mode The start mode of this se	rvice.
<b>Start Mode</b> The start mode of this set	vice.

9. Move to the Log On tab. Click Start, Apply and then OK.

## **BillQuick Database**

After installing and configuring Microsoft SQL Express, you can install BillQuick on the primary computer (BillQuick Supervisor) or on other computers (BillQuick users). Please read the <u>BillQuick Getting Started</u> <u>Guide</u> for detailed information on how to install BillQuick and create an SQL database.

We recommend using SQL Server 2008 Express edition with BillQuick instead of SQL Server 2012 because of some limitations in the latter. Its maximum compute capacity used by a single instance is limited to lesser of 1 socket or 4 cores. To see the details, check the <u>Scale Limits of Express with Tools</u>.

After creating a BillQuick SQL database, you can set up the company data, activate and license the product, and start using your BillQuick program. For details, please read the <u>BillQuick Getting Started</u> <u>Guide</u>.

If you receive error messages or have any other trouble connecting to the SQL Server during BillQuick installation, please look up our <u>Knowledge Base</u> for related issues. Else, contact our Technical Support at (310)602-4030.



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