SQL Server 2008 R2 SP2 Express Edition Installation

If you don't already have SQL Server 2008 R2 or SQL Server 2008 R2 Express Edition operating within your organization then install SQL Server 2008 R2 Express Edition.

Consult with your organization's IT department or IT service provider to determine which server is suitable for the installation.

Download Microsoft SQL Server 2008 R2 SP2 - Express Edition

http://www.microsoft.com/en-nz/download/details.aspx?id=30438

Choose the download that you want	
File Name	Size
SQLEXPR_x64_ENU.exe	122.4 MB
SQLEXPR32_x86_ENU.exe	97.4 MB
SQLEXPRADV_x64_ENU.exe	1,008.6 MB
SQLEXPRADV_x86_ENU.exe	894.1 MB
SQLEXPRWT_x64_ENU.exe	340.5 MB
SQLEXPRWT_x86_ENU.exe	318.4 MB

Select either SQLEXPRWT_x64_ENU.exe (64 bit with tools*) or SQLEXPRWT_x86_ENU.exe (32 bit with tools*) depending upon the server configuration.

* includes SQL Server Management Studio

Alternative Download:

SQL Server 2008 R2 Express Edition 64 bit with Tools including SQL Server Management Studio.

http://www.rtvtoolswiki.com/Apps/%20SQLEXPRWT_x64_ENU.zip

Installation

Once you have downloaded file run the installation.

SQL Server Installation Center	
Planning	Mew installation or add features to an existing installation.
Installation	Launch a wizard to install SQL Server 2008 R2 in a non-clustered environment or to add features to an existing SQL Server 2008 R2 instance.
Maintenance	100 Company of the second seco
Tools	lawah a winand ta wananda SOL Server 2000, SOL Server 2006
Resources	Launch a wizard to upgrade sqL Server 2000, SQL Server 2005 of SQL Server 2008 to SQL Server 2008 R2.
Advanced	Search for product updates
Options	Search Microsoft Update for SQL Server 2008 R2 product updates.
SQL Server 2008 R2	

Select New installation or add feature to existing installation.

License Terms To install SQL Server 2008	3 R2, you must accept the Microsoft Software License Terms.
License Terms Setup Support Files	MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT SQL SERVER 2008 R2 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, • supplements, • Internet-based services, and
	support services
	Copy Prin ✓ 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. See the Microsoft SQL Server 2008 82 Privacy Statement for more information.

Accept the license terms and select Next.

SQL Server 2008 R2	
Please wait while SQL Server 2008 R2 Setup processes the current	operation.

Wait while SQL Server 2008 R2 Setup continues...

SQL Server 2008 R2 Setup				
Setup Support Rules identify pro can continue.	blems t	hat might occur when you install SQL Server Setup support files. F	Failures must be corrected before Setup	
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements	Op H <u>Vie</u>	eration completed. Passed: 10. Failed 0. Warning 1. Skipped 0. ide details << <u>w detailed report</u>		Re-run
Server Configuration Database Engine Configuration	R	J Rule	Status	
Error Reporting	0	Fusion Active Template Library (ATL)	Passed	
Installation Configuration Rules		Unsupported SQL Server products	Passed	
Installation Progress	Ø	Performance counter registry hive consistency	Passed	
Complete		Previous releases of SQL Server 2008 Business Intelligence Devel	Passed	
		Previous CTP installation	Passed	
		Consistency validation for SQL Server registry keys	Passed	
		Computer domain controller	Passed	
		Microsoft .NET Application Security	Passed	
		Edition WOW64 platform	Passed	
		Windows PowerShell	Passed	
	1	Windows Firewall	Warning	
			Back Next > Cancel	Help

Confirm that setup support rules have passed then select Next unless you have any errors or warnings.

These issues must be resolved before continuing.

Windows Firewall

You may have a Windows Firewall warning as shown above. Click on the Warning link to display further information and a link to the Microsoft web page.

Rule Chec	k Result	×
	Rule "Windows Firewall" generated a warning.	
	The Windows Firewall is enabled. Make sure the appropriate ports are open to enable remote access. See the rules documentation at http://go.microsoft.com/fwlink/?LinkId=94001 for information about ports to open for each feature.	
	ОК	

http://go.microsoft.com/fwlink/?linkid=94001

Select "How to: Configure a Windows Firewall for Database Engine Access" to guide you through the settings for allowing SQL Server through a Windows firewall.

📸 SQL Server 2008 R2 Setup			
Feature Selection	-0		
Select the Express with Advanced	I Services features to install.		
Setup Support Rules Installation Type License Terms Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Features: Instance Features SQL Server Replication Shared Features SQL Client Connectivity S Redistributable Features	n SDK	Description: Includes Management Studio support for the Database Engine and SQL Server Express, SQL Server command-line utility (SQLCMD), and the SQL Server PowerShell provider.
	Select All Unselect All Shared feature directory: Shared feature directory (x86):	C:\Program Files\Microsoft S C:\Program Files (x86)\Micro	QL Server\
		< Back Next	> Cancel Help

Accept the default features and select Next.

📸 SQL Server 2008 R2 Setup					
Instance Configuration Specify the name and instance ID	for the instance of SQL Ser	ver. Instance ID becomes	part of the installation path		
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	 Default instance Named instance: 	SQLExpress			
	Instance ID: Instance root directory:	SQLExpress C:\Program Files\Micros	oft SQL Server\		
	SQL Server directory: Installed instances:	y: C:\Program Files\Microsoft SQL Server\MSSQL10_50.SQLExpress			
	Instance Name	Instance ID	Features	Edition	Version
			< Back	Next > Ca	ncel Help

Define the SQL Instance or accept the default name: SQLExpress, then select Next.

😭 SQL Server 2008 R2 Setup				
Server Configuration				
Specify the service accounts and co	ollation configuration.			
Setup Support Rules Feature Selection	Service Accounts Collation	senarate account for each SOL Senversenvice		
Installation Rules	Service	Account Name	Password	Startup Type
Disk Space Requirements	SQL Server Database Engine	NT AUTHORITY\NETWORK SERVICE		Automatic 👻
Server Configuration	SQL Server Browser	NT AUTHORITY\LOCAL SERVICE		Automatic 👻
Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete		Use the sa	ne account for all	SQL Server services
		< Back Nex	t > Cano	cel Help

Change the SQL Server Browser startup type to **Automatic**, then select Next.

😭 SQL Server 2008 R2 Setup			
Database Engine Config	uration		
Specify Database Engine authent	ication security mode, admi	inistrators and data directories.	
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Account Provisioning Specify the authentic Authentication Mode Windows authenti Mixed Mode (SQL Specify the password Enter password: Confirm password:	Data Directories User Instances FILESTREAM ication mode and administrators for the Database Engine Instances Instances le Instances Instances Instances Instances le Instanc	S
	GDL\Administrator ((Administrator) (Administrator) Add Remove	SQL Server administrators have unrestricted access to the Database Engine.
	1	< Back	Next > Cancel Help

Change Authentication **Mode to Mixed Mode (SQL Server authentication and Windows authentication)**. Enter the system administrator password (**do not forget password**). Select Next to continue.

🐔 SQL Server 2008 R2 Setup		
Installation Progress		
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Install_SqlWriter_Cpu64_Action : SxsInstallCA.	
		Next > Cancel Help

Installation will now continue and install SQL Server 2008 R2, please wait...

😭 SQL Server 2008 R2 Setup	
Complete Your SQL Server 2008 R2 install	ation completed successfully.
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Summary log file has been saved to the following location: C:\Program Files\Microsoft SQL Server\100\Setup Bootstrap\Log\20111107 064625\Summary GDLWS7 20111107 064625.txt Information about the Setup operation or possible next steps: Image: Wour SQL Server 2008 R2 installation completed successfully.
	Supplemental Information:
	The following notes apply to this release of SQL Server only. Microsoft Update For information about how to use Microsoft Update to identify updates for SQL Server 2008 R2, see the Microsoft Update Web site at http://go.microsoft.com/fwlink/?Linkld=108409 . Samples By default, sample databases and sample code are not installed as part of SQL Server Setup. To install sample databases and sample code for non-Express editions of SQL Server 2008 R2, see the CodePlex Web site at http://go.microsoft.com/fwlink/?Linkld=87843 . To read about support for SQL Server sample databases and sample code for SQL Server Express, see Databases and Samples Overview on the CodePlex Web site at http://go.microsoft.com/fwlink/?Linkld=10391 .
	Close Help

Once the SQL Server 2008 R2 installation has been successfully completed select Close.

SQL Server Configuration Manager

Once SQL Server 2008 R2 Express Edition has been successfully installed select SQL Server Configuration Manager from the Windows Programs menu.



Confirm that the SQL Server Browser and SQL Server services are running.

Sql Server Configuration Manager						
 SQL Server Configuration Manager (Local) SQL Server Services SQL Server Network Configuration (32bit) SQL Native Client 10.0 Configuration SQL Server Network Configuration SQL Server Network Configuration SQL Native Client 10.0 Configuration 	Name SQL Server Browser SQL Server (SQLEXPRESS) SQL Server Agent (SQLEXPRESS)	State Running Running Stopped	Start Mode Automatic Automatic Other (Boot, Syste	Log On As NT AUTHORITY\LO NT AUTHORITY\NE NT AUTHORITY\NE	Pr 3856 4088 0	Service Type SQL Server SQL Agent

Expand the SQL Server Network Configuration and confirm that the following protocols are Enabled:

- Shared Memory
- Named Pipes
- TCP/IP



SQL Server Management Studio

SQL	Server 2008	
Server type:	Database Engine	
Server name:	GDLWS7\SQLEXPRESS	
Authentication:	SQL Server Authentication	•
Login:	sa	•
Password:		
	Remember password	

Select SQL Server Authentication mode and login using the System Administrator (sa) account and password previously defined in the SQL Server 2008 R2 Express installation. Select Connect button to continue.

File Edit View Tools Window	Community Help
일 New Query 🛅 📑 🚰 📓	A 🕰 🚽
Object Explorer	→ ‡ ×
Connect 🕶 📑 📑 📑 🍸 🛃	
🖯 🔁 Security	
🕞 🧰 Security	
 Security Logins Server Roles Credentials 	New Login Filter
 Security Logins Server Roles Credentials Server Objects 	New Login Filter
 □ Security □ Logins □ Server Roles □ Credentials □ Server Objects □ Replication 	New Login Filter
 Security Logins Server Roles Credentials Server Objects Replication Management 	New Login Filter Start PowerShell Reports

Right click over Login on the Security folder and select New Login...

📕 Login - New		
Select a page General Server Roles User Mapping Securables Status	Script	Search

Select Search... button and define the domain user or group that is permitted access to create and modify the Drawing Manager SQL databases.

elect User or Group	?
Select this object type:	
User or Built-in security principal	<u>O</u> bject Types
From this location:	
GDLLAP02	Locations
Enter the object name to select (<u>examp</u>	<u>Dies):</u>

To define a group select the Object Types... button and select the Groups option.



ielect User or Group		? ×
Select this object type:		
User, Group, or Built-in security principal		Object Types
From this location:		
GDLLAP02		Locations
Enter the object name to select (<u>examples</u>):		
GDLLAP02\RTVDMUsers		Check Names
<u>A</u> dvanced	OK	Cancel

📕 Login - New			
Login - New Select a page General Server Roles User Mapping Securables Status	Script - P Help Login name: Windows authentication SQL Server authentication Password: Confirm password:	GDLLAP02\RTVDMUsers	S <u>e</u> arch
Server Roles User Mapping Securables Status	Login name: Windows authentication SQL Server authentication Password: Confirm password:	GDLLAP02\RTVDMUsers	S <u>e</u> arch.

Select Server Roles page and check the 'sysadmin' option.

Login Properties - GDLLAP02\RTVDMUsers				
🔜 🖳 Script 👻 📑 Help				
Server role is used to grant server-wide security privileges to a user.				
Server roles:				
bulkadmin dherester				
diskadmin				
processadmin				
securityadmin				

Select OK button to define the new login.

Repeat the above for all users that are permitted to create Drawing Manager databases if you haven't defined a domain group.

Firewall Exception Settings

Open the **Control Panel** from the **Start** menu. Open **Windows Firewall** Select **Advanced settings**



Select Inbound Rules



Unser Actions select New Rule... Select Port



Select Next



Select **Specific local ports** Enter 1433, 1434 Select Next SQL Server 2008 R2 Express Edition Installation

🔗 New Inbound Rule Wizard	
Action	
Specify the action to be taken whe	n a connection matches the conditions specified in the rule.
Steps:	
Rule Type	What action should be taken when a connection matches the specified conditions?
 Protocol and Ports Action 	Allow the connection
Profile	This includes connections that are protected with IPsec as well as those are not.
• Name	 Allow the connection if it is secure This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node. Customize Block the connection
	Learn more about actions < Back Next > Cancel

Select **Allow the connection** Select Next

💣 New Inbound Rule Wizar	
Profile Specify the profiles for which th	is rule applies.
Steps:	
Rule Type	When does this rule apply?
Protocol and Ports	
Action	☑ Domain
Profile	Applies when a computer is connected to its corporate domain.
Name	Private
	Applies when a computer is connected to a private network location.
	Public Antice where a constant is constant to a subline activity of the set of
	Applies when a computer is connected to a public network location.
	Learn more about profiles
	< <u>B</u> ack Cancel

Check tick box Domain, uncheck Private and Public Select Next

Provide the two series of two series of the two series of the two series of the two series of two series	art manager. Ball manager, p. W. Sangerary, C.	×
Name		
Specify the name and description of	his rule.	
Steps:		
Rule Type		
Protocol and Ports		
Action		
Profile	Name: SQL Server TCP	-
Name		
	Description (optional):	_
	< <u>B</u> ack Finish	Cancel

Enter a name for the exception rule Select Finish