IQSweb Reference B

SQL Server 2017 and Express Installation Instructions

Please note that IQSweb V6 will work with SQL Server 2019, the Express version can be downloaded at <u>https://go.microsoft.com/fwlink/?linkid=866658</u>. The instructions for that installation are similar to those below.

Step 1: SQL Server 2017 Installation files

1. If installing the full version of SQL Server, make sure that the Microsoft SQL Server 2017 installation media or installer files are available on the server.

If installing the Express version, download Microsoft SQL Server 2017 Express and SQL Server Express Management Studio from the following link.

https://www.microsoft.com/en-us/download/details.aspx?id=55994

Step 2: Install Microsoft SQL Server 2017

1. Select Start/Run. From the Run screen, browse to the location where the SQL Server 2017 installer file is located and select that file to open. The installer will extract a number of setup files to a temporary folder. This could take a few minutes. Once the installer has extracted all of it's files, you should see the SQL Server Installer Window. Click on **Custom** to begin installation.



2. Select the location to download setup files.



- 3. Click **Install**. The installer will download the setup files.
- 4. The SQL Server Installation Center will appear.



Select **New SQL Server stand-alone installation or add features to an existing installation**. The installer will setup files needed for the installation and perform checks to ensure that the installation can

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continue.

Depending on whether you are installing the full or Express version, you may see a slightly different list of rule checks. The example show below is from the Express version.

If you have a firewall enabled, then you will probably see that item in the detailed list with a Warning. This just indicates that the installer recognizes that you are running a firewall and need to make sure that it is properly configured.

🏗 SQL Server 2017 Setup				
Install Rules				
Setup rules identify potential p can continue.	roblems that might occur while running Setup. Failures must be corrected before Setup	,		
Global Rules Product Updates Install Setup Files Install Rules	Operation completed. Passed: 3. Failed 0. Warning 1. Skipped 0. Hide detailg <<		<u>R</u> e-	run
Installation Type License Terms Feature Selection	View detailed report Rule Status			
Feature Rules	Fusion Active Template Library (ATL) Passed Consistency unlidition for COL Source conition loss Deced			
Server Configuration	Computer domain controller Passed			
Database Engine Configuration Consent to install Microsoft R Consent to install Python Feature Configuration Rules Installation Progress Complete	Mindows Firewall Warning			
	< <u>B</u> ack <u>N</u> ext	>	Cance	a .

Click Next.

5. If performing a new installation, select **Perform a new installation of SQL Server 2017**. If upgrading an existing version, select **Add features to an existing instance of SQL Server 2017**.

🏗 SQL Server 2017 Setup					-		×
Installation Type							
Perform a new installation or a	dd features to an existing	g instance of SQL Serve	r 2017.				
Global Rules Product Updates Install Setup Files Install Rules Installation Type License Terms Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Consent to install Microsoft R Consent to install Python Feature Configuration Rules Installation Progress Complete	 <u>P</u>erform a new instance Select this option in components. <u>A</u>dd features to an <u>MSSQLSERVER</u> Select this option in want to add the Arwithin an instance 	allation of SQL Server 2 f you want to install a existing instance of SQ f you want to add feat nalysis Services feature must be the same editi	017 new instance of S0 L Server 2017 ures to an existing s to the instance t on.	QL Server or want to in instance of SQL Serve that contains the Data	nstall share er. For exa base Engir	ed mple, you ne. Featur	J Jes
	Instance Name MSSQLSERVER <shared compone<="" td=""><td>Instance ID MSSQL14.MSSQLS</td><td>Features SQLEngine Conn</td><td>Edition Developer</td><td>Ver 14.0</td><td>sion).1000.169).1000.169</td><td></td></shared>	Instance ID MSSQL14.MSSQLS	Features SQLEngine Conn	Edition Developer	Ver 14.0	sion).1000.169).1000.169	
	1			< <u>B</u> ack <u>N</u> ext	>	Cancel	

Click Next.

6. Click the checkbox to accept the license terms. Click **Next**.

7. Select the Installation location and confirm the features installed.

🏗 SQL Server 2017 Setup			– 🗆 X				
Feature Selection Select the Express features to in	stall.						
Global Rules Product Updates Install Setup Files Install Rules Install Rules Installation Type License Terms Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Consent to install Microsoft R Consent to install Microsoft R Consent to install Python Feature Configuration Rules Installation Progress Complete	 Looking for Reporting Services Eeatures: Database Engine Services SQL Server Replication Machine Learning Services R Python Full-Text and Semantia PolyBase Query Service Shared Features Client Tools Connectivity Client Tools Connectivity Select All 	bes? Download it from vices (In-Database) c Extractions for Sea te for External Data	m the web Feature description: The configuration and operation of each instance feature of a SQL Server instance is instance feature of a SQL Server instance is Prerequisites for selected features: Already installed: Microsoft Visual C++ 2015 Redistributable Windows PowerShell 3.0 or higher Disk Space Requirements Drive C: 2800 MB required, 158710 MB available				
	Instance <u>r</u> oot directory: Shared feature directory: Shared feature directory (<u>x</u> 86):	C:\Program Files\Microsoft SQL Server\ C:\Program Files\Microsoft SQL Server\ : C:\Program Files (x86)\Microsoft SQL Server\					
			< <u>B</u> ack <u>N</u> ext > Cancel				

Click Next.

8. Make note of the instance name. If using the default instance, the database server will be accessible at [Computer name]. If a named instance is provided, the database server will be accessible at [Computer name]\[Instance name] (e.g. localhost\SQLExpress).

🏗 SQL Server 2017 Setup Instance Configuration Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path. **Global Rules** O Default instance Product Updates Named instance: SQLExpress Install Setup Files Install Rules Installation Type SQLEXPRESS Instance [D: License Terms Feature Selection SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL14.SQLEXPRESS Feature Rules Instance Configuration Installed instances: Server Configuration Instance Name Instance ID Features Edition Version Database Engine Configuration MSSQLSERVER MSSQL14.MSSQLS... SQLEngine 14.0.1000.169 Developer Consent to install Microsoft R ... <Shared Compone... Conn 14.0.1000.169 Consent to install Python Feature Configuration Rules Installation Progress Complete < <u>B</u>ack <u>N</u>ext > Cancel

Click Next.

9. You will see a page where you select the accounts database services utilize. Click **Next**.

Server Configuration					
Specify the service accounts and o	collation configuration.				
Global Rules	Service Accounts Collation				
Product Updates	Microsoft recommends that you use	a separate account for each	SQL Server serv	ice.	
Install Rules	Service	Account Name Password		J Startup Type	
Installation Type	SQL Server Database Engine	NT Service\MSSQL\$SQL		Automatic	1
License Terms	SQL Server Launchpad	NT Service\MSSQLLaun		Automatic	
Feature Selection	SQL Full-text Filter Daemon Launc	NT Service\MSSQLFDLa		Manual	
Feature Rules	SQL Server Browser	NT AUTHORITY\LOCAL		Disabled	-
Instance Configuration Server Configuration Database Engine Configuration Consent to install Microsoft R Consent to install Python Feature Configuration Bulls	Grant Perform Volume Maintenan This privilege enables instant file i to information disclosure by allow <u>Click here for details</u>	ce Task privilege to SQL Sen nitialization by avoiding zero ing deleted content to be ac	ver Database En bing of data pa <u>c</u> cessed.	gine Service Jes. This may lead	ł

10. Next, you will be presented with a window where you will choose the authentication mode and Administration account(s) for the Database Engine.

Select **Mixed Mode** authentication mode, and enter a password for the database administrator account (sa). Make sure that there is a user account listed in the **Specify SQL Server administrators** box. Once this is completed, you can click on **Next**.

🏗 SQL Server 2017 Setup								×
Database Engine Config Specify Database Engine authen	guration	administrators, data	a directori	es and TempDB	settings.			
Global Rules Product Updates Install Setup Files Install Rules Installation Type License Terms Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Consent to install Microsoft R Consent to install Python Feature Configuration Rules Installation Progress Complete	Server Configuration Specify the authent Authentication Mod <u>W</u> indows authen <u>M</u> ixed Mode (SQ Specify the password Enter password: Confirm password: Specify SQL Server a Specify SQL Server a SAIC-CORP\mortla	Data Directories ication mode and a ication mode L Server authenticat d for the SQL Server e e e id for the SQL Server e e e id for the SQL Server e e id for the SQL Server e e e id for the SQL Server e e id for the SQL Server e e e e e e e e e e e e e e e e e e	TempDB dministrat tion and V er system a move	User Instances tors for the Data Vindows authen administrator (sa	FILESTREAM base Engine. tication)) account.	. Server adn e unrestrict he Database	ninistrato ed access e Engine.	rs
				< <u>B</u> ac	k <u>N</u> ex	d >	Cancel	

As the installer starts installing the database server, you will see a blue progress bar, and the files names listed as they are being installed.

- 11. Click the Accept button to agree to install Microsoft R Open. Click Next.
- 12. Click the Accept button to agree to install Python. Click Next.
- 13. The installation will begin.

14. Once the installation has finished, you should see a window like the one shown below, indicating that the Installation is complete. This window will also show the location of the Summary Log file for the installation.

When you click **Close** in the Complete window, you will be returned to the SQL Server Installation Center Window. From there you can choose to search for product updates with Windows Update, or you can close the SQL Server Installation Center Window.

See the instructions in Step 3 of the main Installation Instructions for details on how to use the SQL Server Management Studio to configure SQL Server 2017.

To install SQL Server Management Studio, download and install the latest version from <u>https://aka.ms/ssmsfullsetup</u>.