

SQL_Install_2016

1. Download the version to install
2. Run the Setup.exe
3. Select features – note SSMS is not part of the current installer (03/02/17)
4. After the initial installation open the Installer and click on the SSMS install.
5. Download and install the SSMS setup file.
6. Test
7. Click Start, point to All Programs, point to Microsoft SQL Server, point to Configuration Tools, and then click SQL Server Configuration Manager.
 - a. Windows 10: To open SQL Server Configuration Manager, on the Start Page, type SQLServerManager13.msc (for SQL Server 2016).
 - b. To pin the Configuration Manager to the Start Page or Task Bar, right-click SQLServerManager13.msc, and then click Open file location. In the Windows File Explorer, right-click SQLServerManager13.msc, and then click Pin to Start or Pin to taskbar.
 - c. If you do not have these entries on the Start menu, SQL Server is not correctly installed. Run Setup to install the SQL Server Database Engine.
8. Check services
 - a. In SQL Server Configuration Manager, on the left pane, click SQL Server Services. The right pane lists several services that are related to SQL Server. If the Database Engine is installed, the Database Engine service is listed as SQL Server (MSSQLSERVER) if it is the default instance; or SQL Server (<instance_name>), if the Database Engine is installed as a named instance. Unless the instance name is changed, SQL Server Express installs as a named instance with the name SQLEXPRESS. A green triangle icon indicates that the Database Engine is running. A red square icon indicates that the Database Engine is stopped.
9. The sqlcmd utility is a command-line utility for ad hoc, interactive execution of Transact-SQL statements and scripts and for automating Transact-SQL scripting tasks. To use sqlcmd interactively, or to build script files to be run using sqlcmd, users must understand Transact-SQL. The sqlcmd utility is typically used in the following ways:
 - a. Users interactively enter Transact-SQL statements in a manner similar to working at the command prompt. The results are displayed at the command prompt. To open a Command Prompt window, click Start, click All Programs, point to Accessories, and then click Command Prompt. At the command prompt, type sqlcmd followed by a list of options that you want.
10. By default, SQLCMD mode is not enabled in the Query Editor. You can enable scripting mode by clicking the SQLCMD Mode icon in the toolbar or by selecting SQLCMD Mode from the Query menu.
 - a. Enabling SQLCMD mode turns off IntelliSense and the Transact-SQL debugger in the Database Engine Query Editor

References

1. Editions and Components of SQL Server 2016:
[https://msdn.microsoft.com/library/ms144275\(sql.130\).aspx](https://msdn.microsoft.com/library/ms144275(sql.130).aspx)
2. Determine Whether the Database Engine Is Installed and Started:
<https://msdn.microsoft.com/en-us/library/ms366339.aspx>
3. SQL Server Configuration Manager: <https://msdn.microsoft.com/en-us/library/ms174212.aspx>
4. sqlcmd Utility: <https://msdn.microsoft.com/en-us/library/ms162773.aspx>
5. The most recent versions of the sqlcmd utility is available as a web release from the Download Center:
 - a. Microsoft® Command Line Utilities 13.1 for SQL Server®:
<https://www.microsoft.com/en-us/download/details.aspx?id=53591>
6. Use the sqlcmd Utility: <https://msdn.microsoft.com/en-us/library/ms180944.aspx>
7. Tutorial: sqlcmd Utility: [https://technet.microsoft.com/en-us/library/ms170207\(v=sql.105\).aspx](https://technet.microsoft.com/en-us/library/ms170207(v=sql.105).aspx)
8. Edit SQLCMD Scripts with Query Editor: <https://msdn.microsoft.com/en-us/library/ms174187.aspx>
9. SQL Server 2016 Express LocalDB: <https://msdn.microsoft.com/en-us/library/hh510202.aspx>
10. SqlLocalDB Utility: <https://msdn.microsoft.com/en-us/library/hh212961.aspx>
11. What's new in SQL Server Reporting Services (SSRS): <https://msdn.microsoft.com/en-us/library/ms170438.aspx>