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Sql server management studio 2017 developer

Summary: In this step-by-step tutorial, you'll learn how to install THE SQL Server 2017 Developer Edition and SQL Server Management Studio (SSMS). INSTALL SQL Server 2017 Developer EditionTo install SQL Server, you must download it from the Microsoft.com Web site via the following link: Download the SQL ServerOnce the download is complete, double-click the SQLServer2017-SSEI-Dev.exe to start the installer.1. The installer prompts you to select the type of installation, select the custom installation type that you can use to step through the SQL Server installation wizard and select the features that you want to install.2. Specify the folder to store the installation files that you want the installer to download, and then click the Install3 button. The installer starts downloading the installation package for a while.4. Once the download is complete, open the folder where the installation package is stored and double-click the FILE SETUP.exe.5. The following window appears; Select the installation option on the left.6. Click the first link to start a wizard to install SQL Server 2017.7. Specify the edition you want to install, select Developer Edition, and click the Next8 button. Select the option I accept the license terms, and click the Next.9 button. Check the Use Microsoft Update option to check for updates (recommended) to get security and other important updates for SQL Server, and click the Next.10 button. The installation checks the prerequisites before installation. If no error was found, click the Next.11 button. Select the features you want to install. For now, all you need is the database engine services, just check the box and click the Next button to continue.12. Enter the name and installation ID for the instance of the SQL Server, and click the Next.13 button. Enter the service account and sort configuration. Simply use the default configuration and click the Next.14 button. Enter the security mode of the database engine. First, select mixed mode. Next, enter the password for the SQL Server system administrator account (sa). Then re-enter the same password to confirm it. Then click the Add Current User button. Finally, click the Next.15 button. Check the SQL Server 2017 features to install.16. The installer starts the Once it is complete, the following window is displayed. Click the OK.18 button. Click the Close button to complete the installation.Congratulations! Sql Server Developer Edition.Install Microsoft SQL Server Management StudioTo interact with SQL servers, you must install SQL Server Management Studio (SSMS). SQL Server Management Studio is software for querying, designing, and managing SQL Server on your local computer or in the cloud. It provides you with tools to configure, monitor, and manage SQL Server instances. First, download the SSMS from the microsoft web site from the following link:SQL Server Management StudioSecond, double-click the installation installation SSMS setup ENU.exe to begin the installation. The installation process of SSMS is simple, which you only need to follow the screen sequence.1. Click the Install2 button. Wait a few minutes while the installer sets up the software.3. After the installation is complete, click the Close Now button, you should have SQL Server 2017 and SQL Server Management Studio installed on your computer. Next, you'll learn how to connect to SQL Server 2017 through SQL Server Management Studio. The new SQL Server 2017 includes new features in the installation. It now supports machine learning services that support R and Python. It also includes SSIS Scale Out Master and Scale Out Worker. It also includes scale-out options in PolyBase. This article explains how to install SQL Server step-by-step. Getting started You can download the SQL Server 2017 installer here. You have 3 main options. The test evaluation, the Developer Edition and the Express Edition. The main question is which SQL Server edition should I use? Sql Server Test Evaluation is the free edition that includes all the features. If you want to try all features, this is a complete version. It's a 180-day trial, but you can purchase an enterprise or standard license later. Use this version if you want to purchase a license later. The SQL Server Developer Edition is free, but cannot be used in production. For this tutorial, you can use any of them. I recommend this if you use it for development or training purposes. It also includes all the features. The SQL Server Express edition is free and can be used in production, but has a memory constraint (10 GB) and does not include multiple functions (SQL Server Agent, DTA, and so on). I recommend this edition if you don't have too much space or resources in your computer. There are other editions, such as the SQL Server Standard and the Web Edition. They are cheaper versions than the company. The Web edition contains the features required to work in a web hosting environment. The standard edition is like the enterprise edition, but has some limitations such as transparent data encryption, partition table parallelism, mirrored backups, online indexing, and so on. I recommend checking the features that are not included in this issue to check if it is a good idea to buy them to save money. For a complete list of differences between SQL Server versions, see this link. After downloading, run the SQL Server installer setup file. The Basic option mainly uses the database engine to Basic components installed. We use the Custom option to learn some other features that are included with SQL Server. Download Media is used to install later or install on other computers: you can select the installation location. It requires 9,000 MB of free space. Once selected, press Install: During installation you will find useful URLs. For example, the following SQL Server forums. You will receive good advice here: it also shows the includes sample databases, code samples, and more. The installer is installed in the Planning section. There are many nice resources here, such as the hardware and software requirements, to verify that you have all the hardware and software requirements. You also have security documentation, SystemConfiguration Checker, Data Migration Assistant (DMA), online installation documentation, failover and update documentation: We go to the Installation section and select the Standalone Installation of SQL Server option. Note that SQL Server Reporting Services is installed separately: In the Product Key, you can specify a license or select a free edition. In this example, we'll install Developer Edition: The license terms indicate the terms of installation. Accept license terms: In Microsoft updates, you can check for updates in the installer. The installation rules check the Active Template Library, registry keys, and whether the computer is not a domain controller: In the context of feature selection, Data Engine Services is the database itself. Replication is useful when you want to replicate your data to another server or SQL Server instance. Machine Learning Services (In-Database). You can install R or Python. SQL Server 2016 included the R services. Now you can have R and/or Python. Full-text and semantic extractions for search are used for full-text queries. Data Quality Services is used to enrich, standardize, and avoid duplicate data. Another nice feature is PolyBase, which is used to query NoSQL data. Analysis Services is used in Business Intelligence (BI) to generate cubes to create enterprise reports with multidimensional technology: you have machine learning services (in-database) and standalone. The first option is to install the SQL Server database engine. The self-contained does not require a database engine. Data Quality Client consists of performing quality operations with stand-alone tools. In Integration Services, we have the option to install Scale Out Master and Scale Out Worker. This feature allows you to distribute the packages across different servers for better performance. The master is responsible for the tasks, and the workers receive the tasks. Backward compatibility of client tools includes tools to work with earlier versions of SQL Server, such as outdated tools, discontinued tools, and breaking changes to SQL tools. Client Tools SDK contain resources for programmers. Distributed Replay Controller is the feature responsible for managing distributed replay clients. The distribution playback is used to perform a trace. The performance to check security, for upgrades or test environments it is like the SQL Profiler, but distributed playback can track multiple servers. You can install the Distributed Replay client to simulate workloads. SQL Client Connectivity SDK installs SQL Server OLEDB and ODBC connectors that can be used to connect to SQL Server using .NET, Java, PHP, or other programming languages. After all, the Data services are used to organize your data into models, create rules for accessing the data, and control who uses it: When you install PolyBase, setup asks for Oracle JRE. You can access the JRE installer at the following link. You can have multiple SQL Server instances in SQL Server on the same server. This can be useful for simulating and practicing replications, mirroring, or having separate instances for different purposes. By default, you can install the default instance, which is usually the server computer name: In PolyBase, you can now install as a standalone instance or using a PolyBase scale-out group. The scale-out group is used when you need to query large amounts of data and distribute the job across multiple SQL Server instances. This option requires you to enable ports and enable the MSDTC: account names are automatically created for each service. It is a good practice to keep them. Do not grant these accounts administrative privileges unless there is no other choice: Sql Server can use two authentication options. Windows authentication uses the Windows account to authenticate to SQL. Mixed mode allows you to create internal logins and passwords in SQL Server. You can add accounts here by adding the current user or by adding the Add: On the Data Directories tab, you can select the location of your data file and log file. It is a good way to have them in separate drives to improve performance and increase security for disaster recovery. For more information, See this link. The TempDB tab is used to configure the TempDB database. This is a system table that is used to store temporary data. Review our article to improve your database performance by reconfiguring this database correctly: the tempdb database, introduction and recommendations FILESTREAM allows you to store non-structured data such as documents, images in the database. The Analysis Services configuration allows you to install a multidimensional and data mining mode. This is a multidimensional cube that allows you to create quick queries for company reports. Another option is to install tabular mode. The table-shaped databases depend on RAM. If your database has multiple TB of information, the Multidimensional option is better. If you need data mining services, the Multidimensional option is better. For more information about multidimensional vs tabular models, see this link. PowerPivot can be used in Excel or if you can use it in SharePoint. PowerPivot for Excel can be used to your reports. If you need to share with multiple people, you can use SharePoint. You can add users with administrator privileges: Integration Scale-Out Configuration - Master Mode is used to define the port for communication between the master node and the worker node. You can also create the certificate here or use an existing one: In the Integration Services Scale Out Configuration - Worker Node, you must specify the endpoint. Specify the master node, which is the master node name and port. You can also specify the SSL certificate here: you will receive a question as to whether you want to install R. Press Accept and then install it next. R is a very popular language used for machine learning and other applications: you can also accept to install Python, which competes with R and offers many useful features once you have everything installed, you can check the configurations. If everything is fine, press Install: After 15-45 min you have installed your database: once the database and other components are installed, open the installer. In the Install section, select Install the SQL Server management tools: Go to the SSMS Web page, download the product: After downloading, install the product: Open Microsoft SQL Server Management Studio from the Windows menu: Select the SQL Server name, and press Connect: Select a database. Right-click and select New Query: We run a saved system procedure. The sp_who that display the sessions, users connected, and processes: Another tool that is installed separately is the SQL Server Data Tools. This tool will help you if you want to work with BI tools like SSAS, SSIS or SSRS: The link goes to the SSDT website, which you can download the latest version here: Conclusion SQL Server 2017 comes with many new features like Python support, SSIS Master Scale Out Worker node. In this article, we learned how to install SQL Server 2017 and learned about some of these new options and features. I hope you enjoy working with SQL Server 2017.