JOBSHEET PRAKTIKUM BASIS DATA LANJUT

Jurusan Teknologi Informasi POLITEKNIK NEGERI MALANG TAHUN AJARAN 2024/2025



Week 1

SQL SERVER - INSTALASI SQL SERVER

Team Teaching Basis Data Lanjut:

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Information Technology Department, Malang State Polytechnic

Jobsheet- 1: SQL Server Installation

Advanced Database Course

Supervisor: Advanced Database Teaching Team

August 2024

Topics

1. SQL Server Installation

Objective

Students are expected to be able to:

- 1. Understand the basic concepts in database management, including what SQL Server is , its function in database management, and its role in software applications.
- 2. Understanding how to create a database from an existing SQL file
- 3. Understand how to execute part or all of a SQL script from an existing file.

General Instructions

- 1. Follow the steps in the practical sections in the order given.
- 2. Answer all questions marked [Question-X] that are found in certain steps in each part of the practicum.
- 3. In each step of the practicum, there is an explanation that will help you answer the questions in instruction number 3, so read and do all the practicum parts in this jobsheet.
- 4. Write the answers to the questions in the instructions number 3 in a report that is done using a word processing application (Word, OpenOffice, or other similar). Export as a **PDF file** with the following name format:
 - BDL_Class_03_YourFullName .pdf
 - Collect the PDF files as a practical report to the supervising lecturer.
 - In addition to the file name, also include your identity on the first page of the report.



Practical: SQL Server Installation

SQL Server Functions

SQL Server is a standard database programming language that has rational data management, so don't be surprised if almost all host servers use SQL more than other programs.

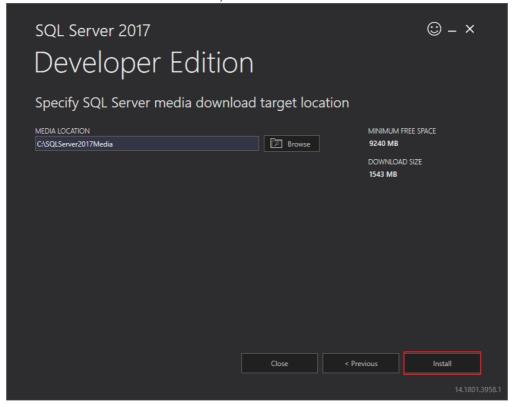
How to Completely Install SQL Server

- 1. First of all, you have to download the SQL Server installer first. Here I am still using SQL Server 2017 Developer version. In addition to being free, its features are also quite complete. Download SQL Server 2017 Developer Edition via this link.
- 2. In the initial installation window, select Custom .

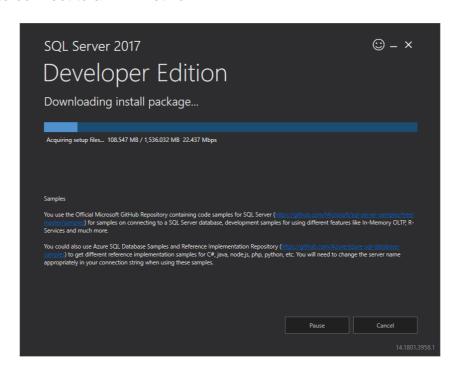




3. Leave the installation location as default, then select Install.



4. SQL Server will download some packages and files needed. This process requires an internet connection and is quite long because the downloaded files are more than 1GB. Therefore, it is recommended to connect to a WiFi network.

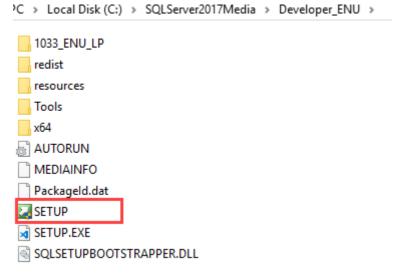


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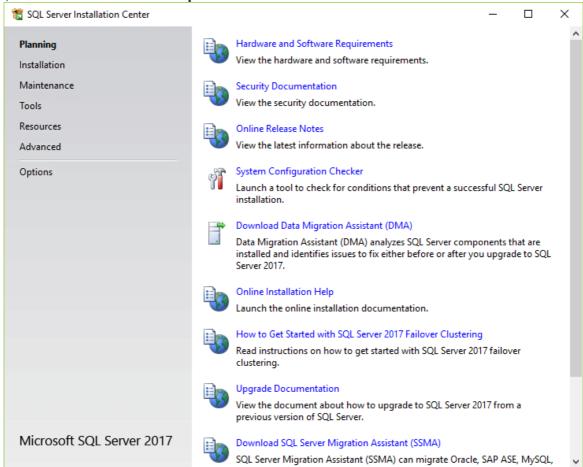


5. If the downloading process is complete. Enter to

folder C:\SQL2017\Developer_ENU then click 2X SETUP.

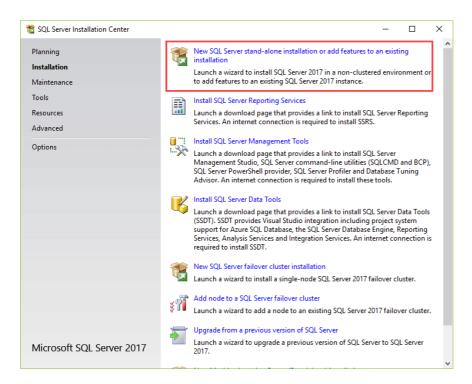


6. Next, select the Installation option on the left.

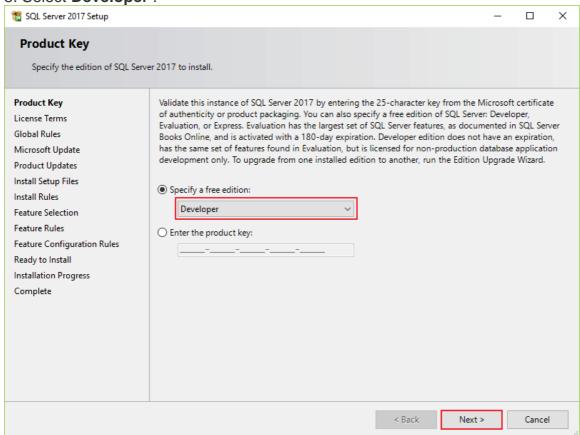




7. Next, select the option marked with a red box.

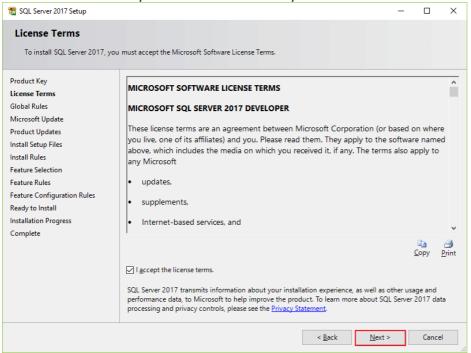


8. Select Developer.

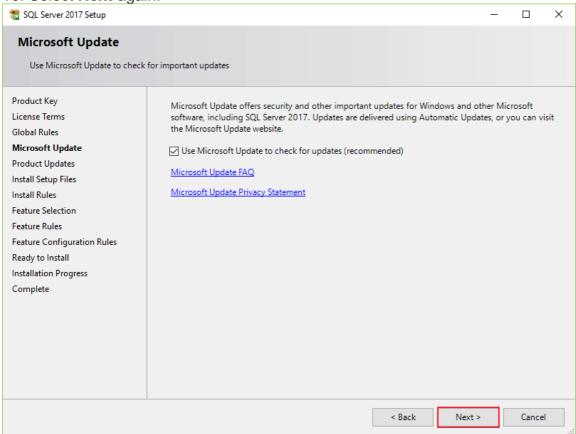




9. Check the I accept the license terms option then select Next .



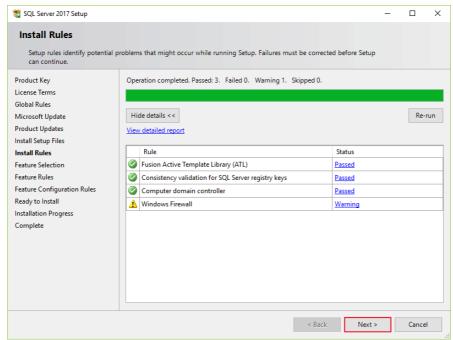
Select Next again.



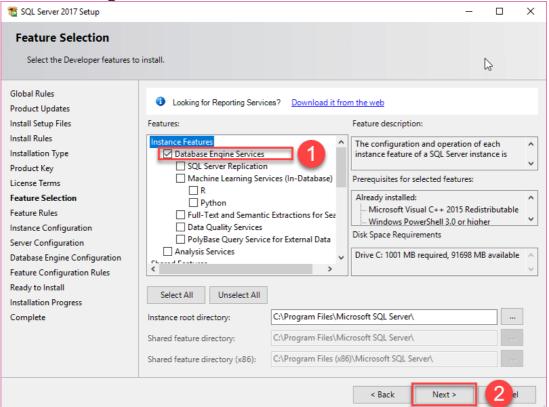


11. Make sure there are no failed rules. If there is still a warning, it doesn't matter. Continue by

selecting Next.

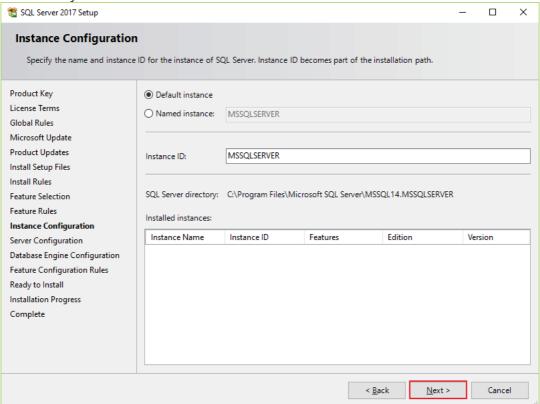


12. Check Database Engine Services then select Next .

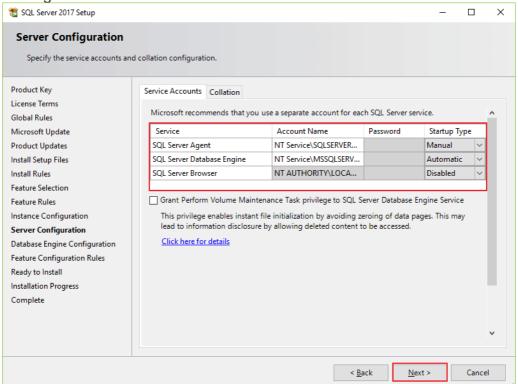




12. Give a name to your SQL Server. Then select Next .

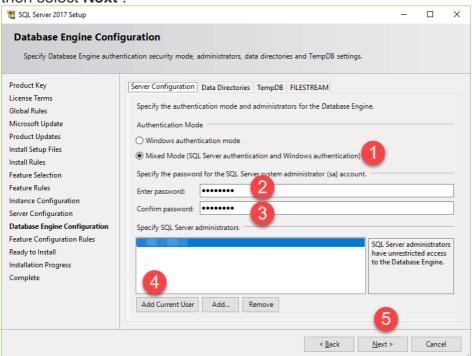


13. Select Next again.

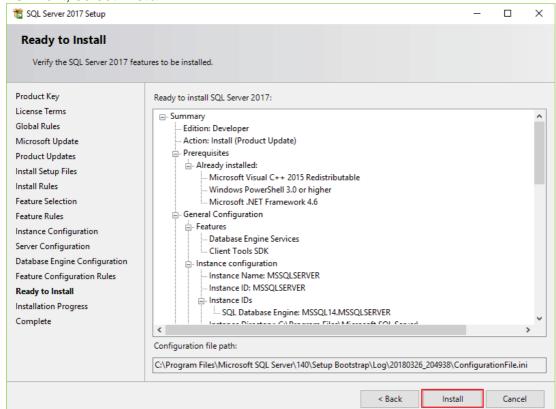




14. Select Mixed mode then give a strong but memorable password. Select **Add Current User** then select **Next** .



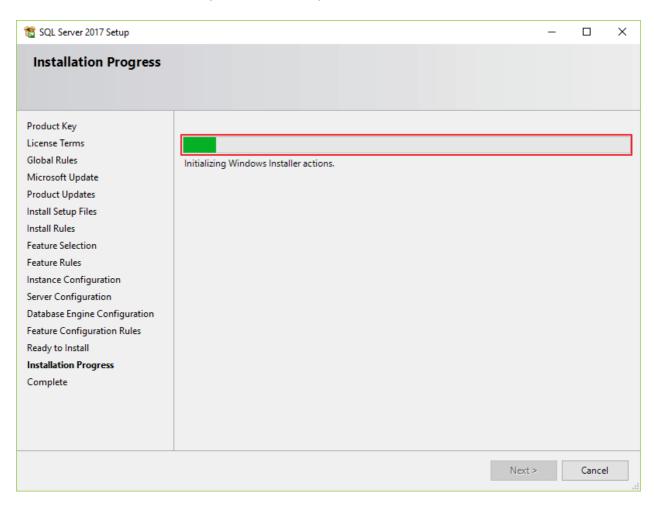
15. Next, select Install.



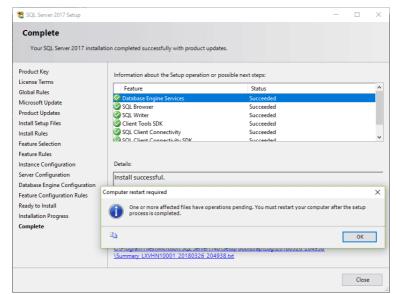
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16. Wait for the installation process to complete.

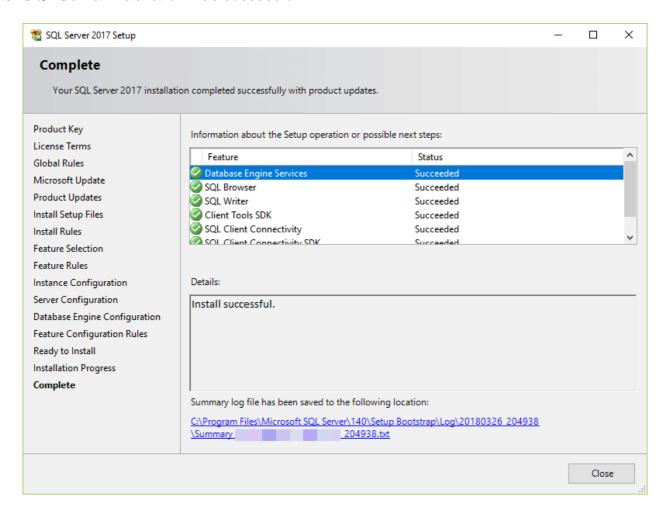


17. Make sure there are no error features in the status column. If you get a notification like this, select **OK** .





18. SQL Server installation was successful.



-- Have a great time doing it -