

IT Enrichment

Database SQL & SQL Server





Instalasi dan Pengenalan SQL Server



SQL Server Installation

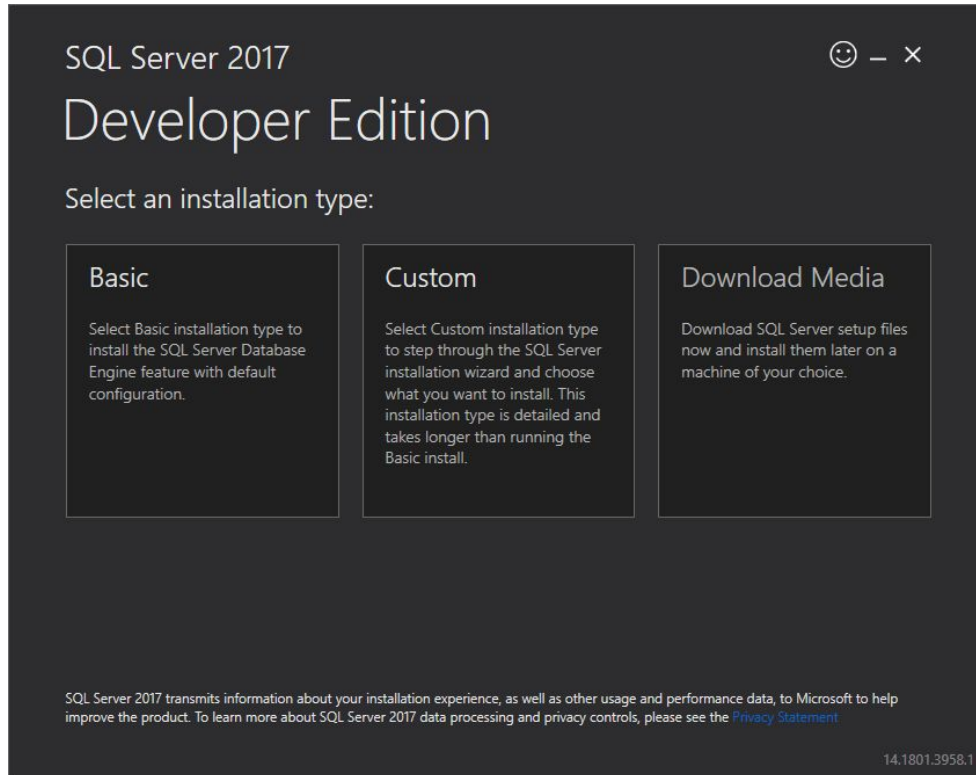
Akseslah <https://www.microsoft.com/en-us/sql-server/sql-server-2017> dan scroll ke bawah hingga menemukan section **SQL Server Pricing**. Unduh installer dengan klik pada bagian yang di kotak merah

SQL Server pricing

SQL Server 2017 editions	Ideal for ...	Licensing model	Channel availability	Open no level price (US\$)
Enterprise	Comprehensive, mission-critical performance for demanding database and business intelligence requirements. Provides the highest service and performance levels for Tier-1 workloads. ^[7]	Per core ^[8]	Volume licensing, hosting	\$14,256 ^[9]
Standard - per core	Core data management and business intelligence capabilities for non-critical workloads with minimal IT resources.	Per core ^[8]	Volume licensing, hosting	\$3,717 ^[9]
Standard - server + CAL	Core data management and business intelligence capabilities for non-critical workloads with minimal IT resources.	Server + CAL ^[10]	Volume licensing, hosting, retail FPP	\$931 ^[9]
Developer	Full-featured version of SQL Server software that allows developers to cost-effectively build, test, and demonstrate applications based on SQL Server software.	Per user	Free download	Free
Web	Secure, cost effective and highly scalable data platform for public web sites. Available to third party software service providers only.	Not applicable	Hosting only	See your hosting partner for pricing
Express	Free entry-level database that's ideal for learning, as well as building desktop and small server data-driven applications of up to 10 GB.	Not applicable	Free download	Free



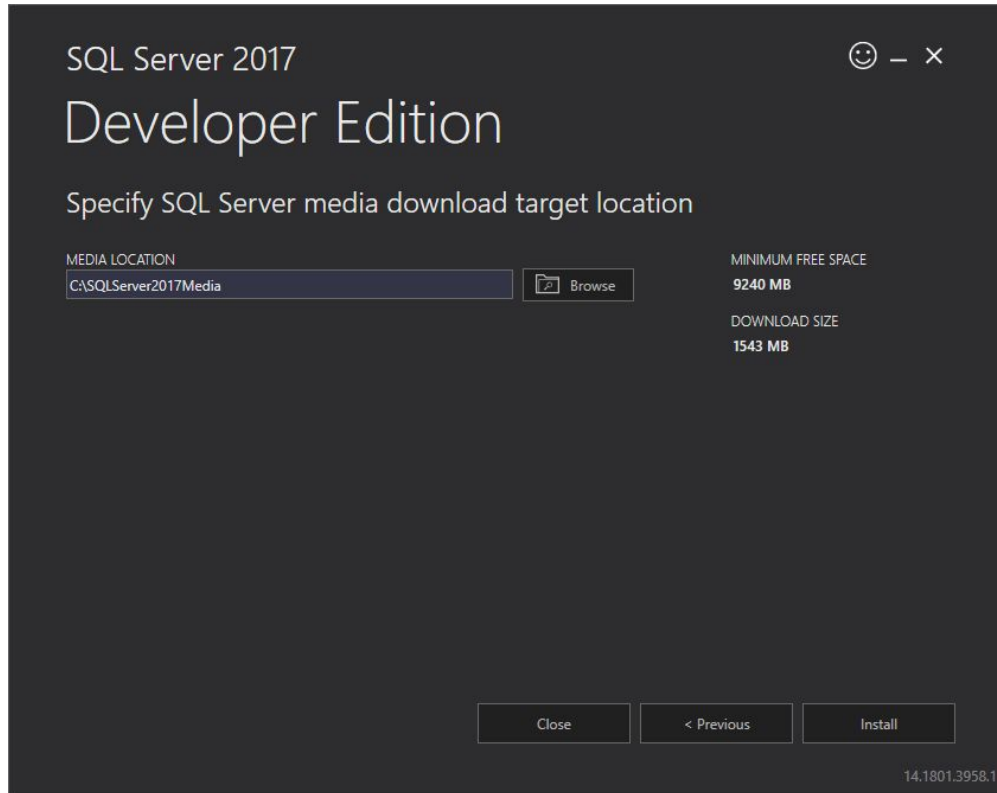
SQL Server Installation



Pilihlah **Basic** untuk installation type.



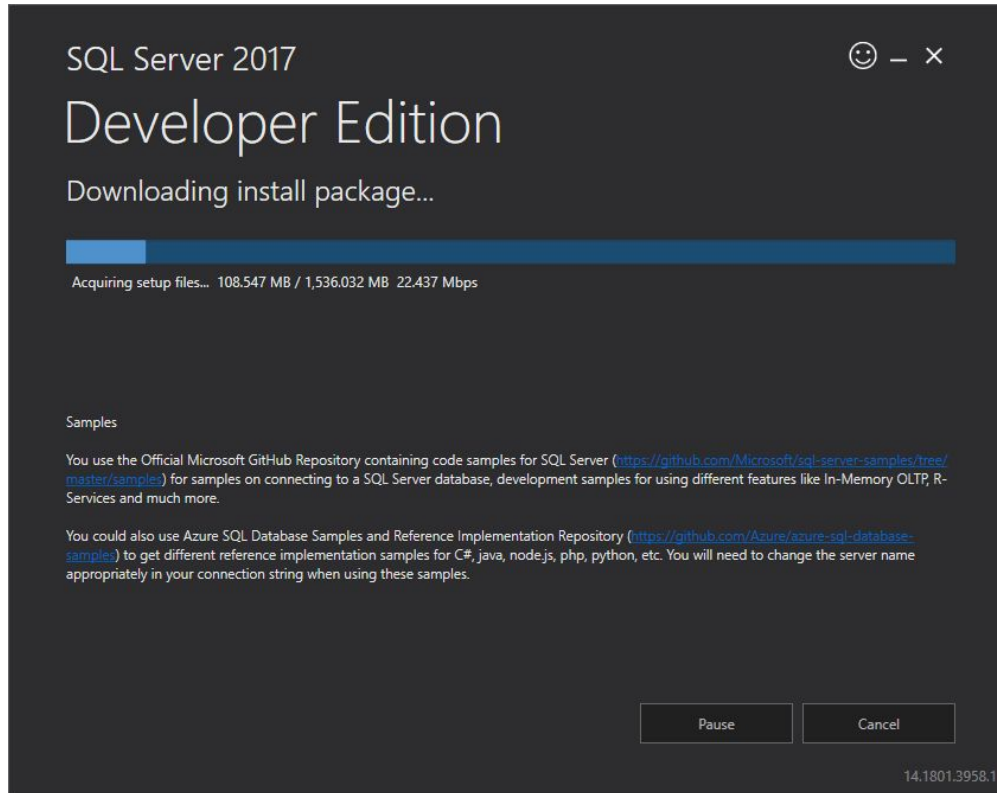
SQL Server Installation



Pilihlah folder untuk instalasi



SQL Server Installation

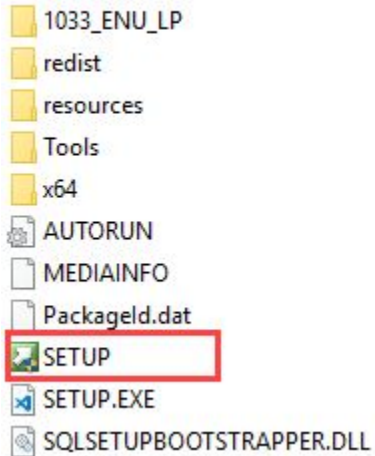


Proses instalasi dimulai



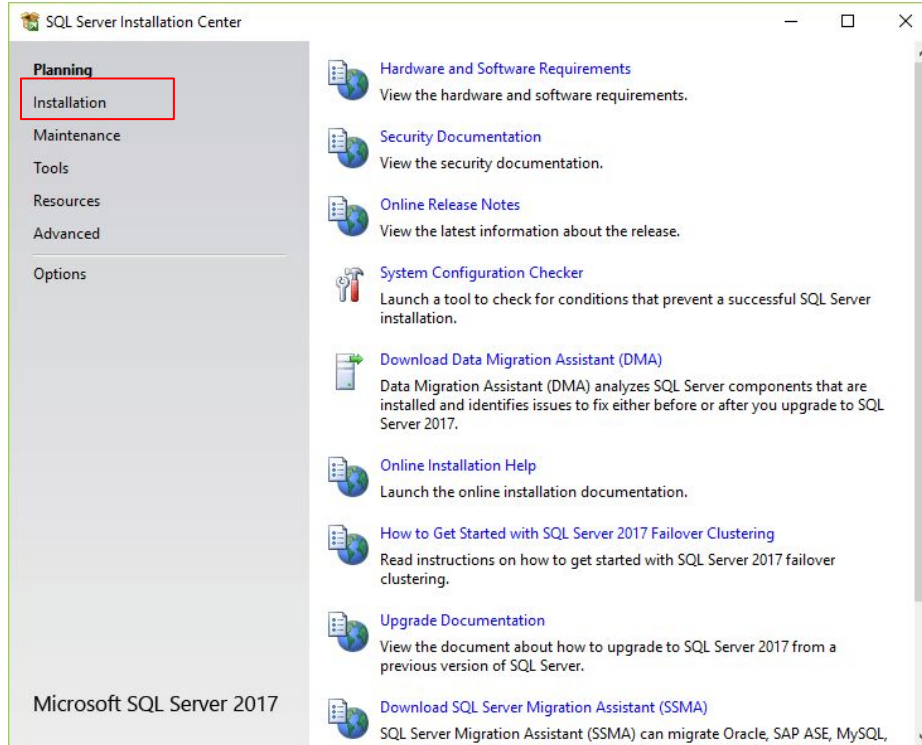
SQL Server Installation

C: > Local Disk (C:) > SQLServer2017Media > Developer_ENU >



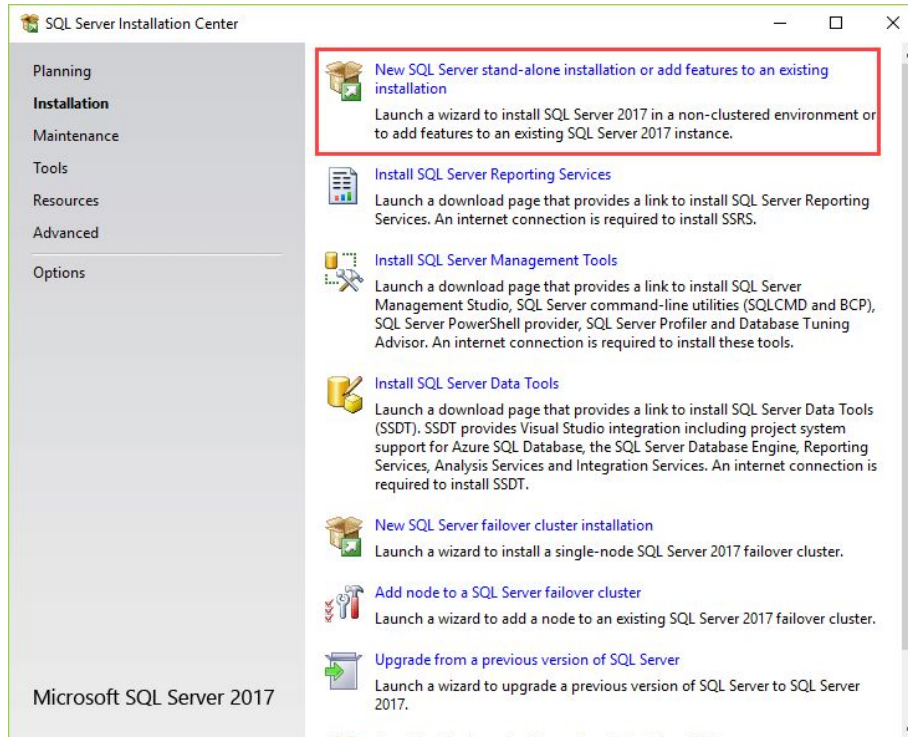
Buka folder tempat Anda menginstal SQL Server lalu pilih **SETUP**

SQL Server Installation



Pilih **Installation** pada menu bagian kiri

SQL Server Installation



Pilihlah link yang pertama



SQL Server Installation

SQL Server 2017 Setup

Product Key

Specify the edition of SQL Server 2017 to install.

Product Key

- License Terms
- Global Rules
- Microsoft Update
- Product Updates
- Install Setup Files
- Install Rules
- Feature Selection
- Feature Rules
- Feature Configuration Rules
- Ready to Install
- Installation Progress
- Complete

Validate this instance of SQL Server 2017 by entering the 25-character key from the Microsoft certificate of authenticity or product packaging. You can also specify a free edition of SQL Server: Developer, Evaluation, or Express. Evaluation has the largest set of SQL Server features, as documented in SQL Server Books Online, and is activated with a 180-day expiration. Developer edition does not have an expiration, has the same set of features found in Evaluation, but is licensed for non-production database application development only. To upgrade from one installed edition to another, run the Edition Upgrade Wizard.

☒ Specify a free edition:

Developer

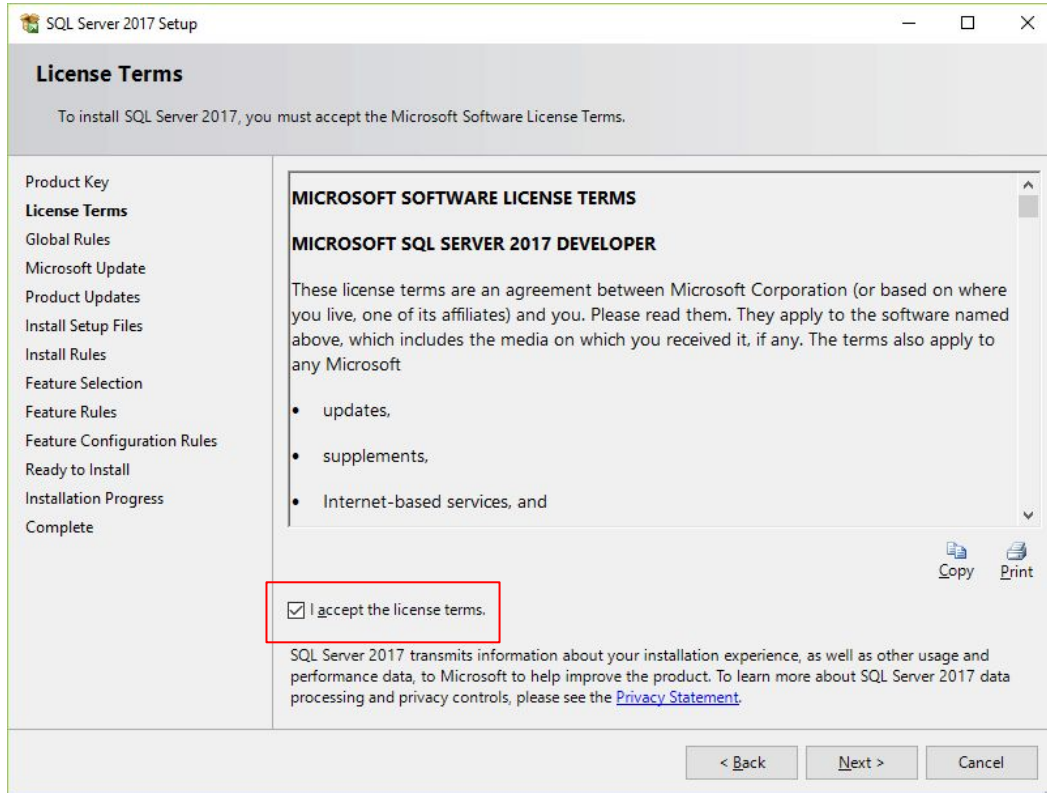
☐ Enter the product key:

< Back Next > Cancel

Pilihlah **Developer** edition



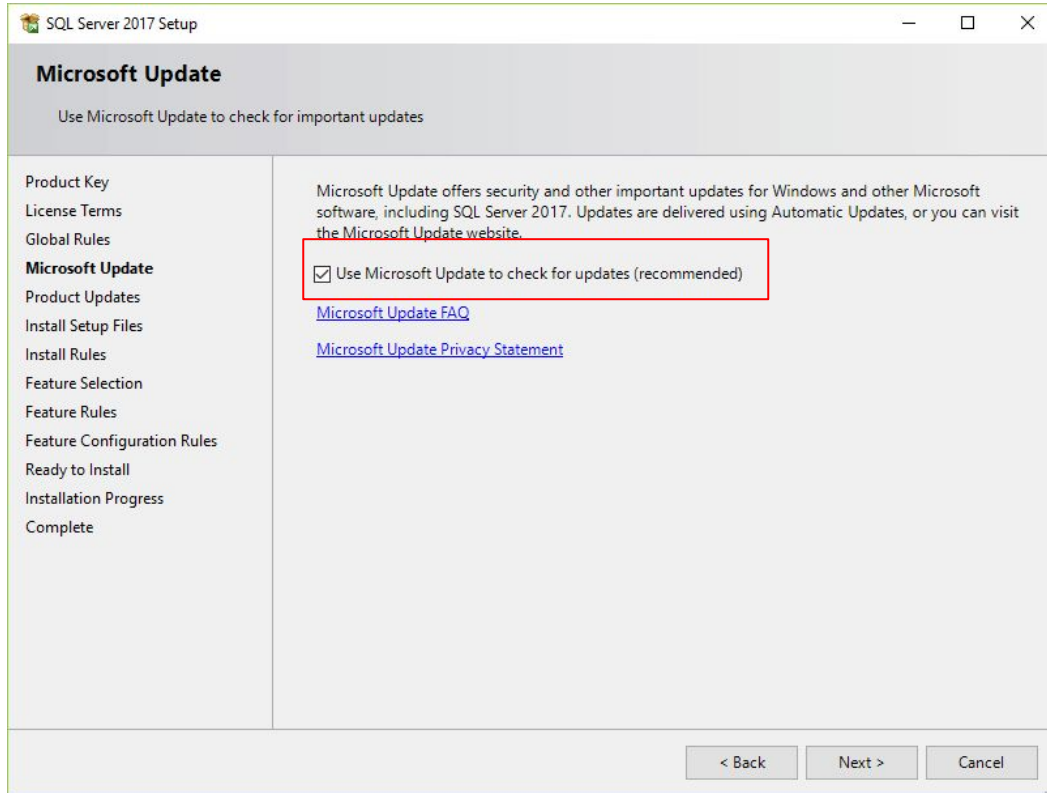
SQL Server Installation



Centang pada **I accept the license term** dan klik **Next**



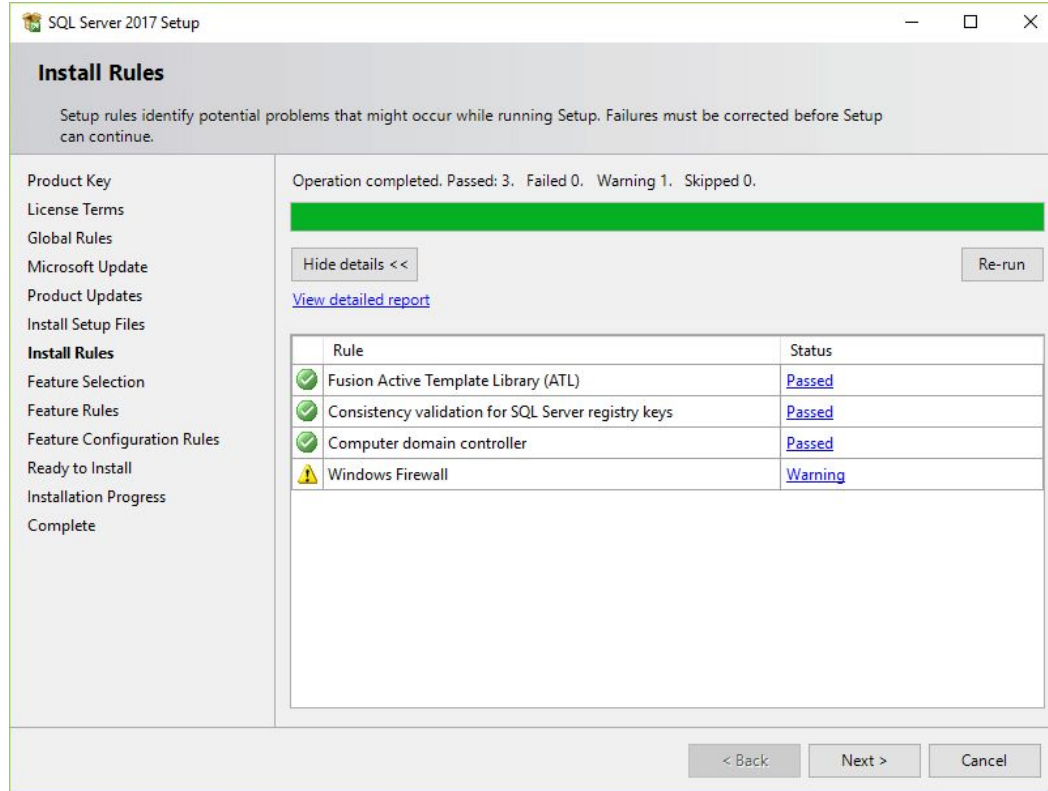
SQL Server Installation



Centang **Use Microsoft Update to check for updates (recommended)** dan klik **Next**



SQL Server Installation



Pastikan semua rulanya sudah
Passed dan klik **Next**



SQL Server Installation

SQL Server 2017 Setup

Feature Selection

Select the Developer features to install.

Global Rules
Product Updates
Install Setup Files
Install Rules
Installation Type
Product Key
License Terms
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Looking for Reporting Services? [Download it from the web](#)

Features:

Instance Features

- ☒ Database Engine Services **1**
- ☐ SQL Server Replication
- ☐ Machine Learning Services (In-Database)
 - ☐ R
 - ☐ Python
- ☐ Full-Text and Semantic Extractions for Search
- ☐ Data Quality Services
- ☐ PolyBase Query Service for External Data
- ☐ Analysis Services

Feature description:

The configuration and operation of each 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: 1001 MB required, 91698 MB available

Select All Unselect All

Instance root directory: C:\Program Files\Microsoft SQL Server\

Shared feature directory: C:\Program Files\Microsoft SQL Server\

Shared feature directory (x86): C:\Program Files (x86)\Microsoft SQL Server\

< Back **Next >** **2**

Centang pada **Database Engine Services** dan klik **Next**



SQL Server Installation

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.

Product Key
License Terms
Global Rules
Microsoft Update
Product Updates
Install Setup Files
Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

☒ Default instance
☐ Named instance: MSSQLSERVER

Instance ID: MSSQLSERVER

SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL14.MSSQLSERVER

Installed instances:

Instance Name	Instance ID	Features	Edition	Version
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< Back Next > Cancel

Berilah instance ID dan klik **Next**



SQL Server Installation

SQL Server 2017 Setup

Server Configuration

Specify the service accounts and collation configuration.

Product Key
License Terms
Global Rules
Microsoft Update
Product Updates
Install Setup Files
Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Service Accounts Collation

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Agent	NT Service\SQLSERVER...		Manual
SQL Server Database Engine	NT Service\MSSQLSERV...		Automatic
SQL Server Browser	NT AUTHORITY\LOCA...		Disabled

☐ Grant Perform Volume Maintenance Task privilege to SQL Server Database Engine Service

This privilege enables instant file initialization by avoiding zeroing of data pages. This may lead to information disclosure by allowing deleted content to be accessed.

[Click here for details](#)

< Back Next > Cancel

Gunakan default configuration dan klik **Next**.



SQL Server Installation

SQL Server 2017 Setup

Database Engine Configuration

Specify Database Engine authentication security mode, administrators, data directories and TempDB settings.

Product Key
License Terms
Global Rules
Microsoft Update
Product Updates
Install Setup Files
Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Server Configuration | Data Directories | TempDB | FILESTREAM

Specify the authentication mode and administrators for the Database Engine.

Authentication Mode

☐ Windows authentication mode

☒ Mixed Mode (SQL Server authentication and Windows authentication) **1**

Specify the password for the SQL Server system administrator (sa) account.

Enter password: **2**

Confirm password: **3**

Specify SQL Server administrators

4

SQL Server administrators have unrestricted access to the Database Engine.

Add Current User Add... Remove

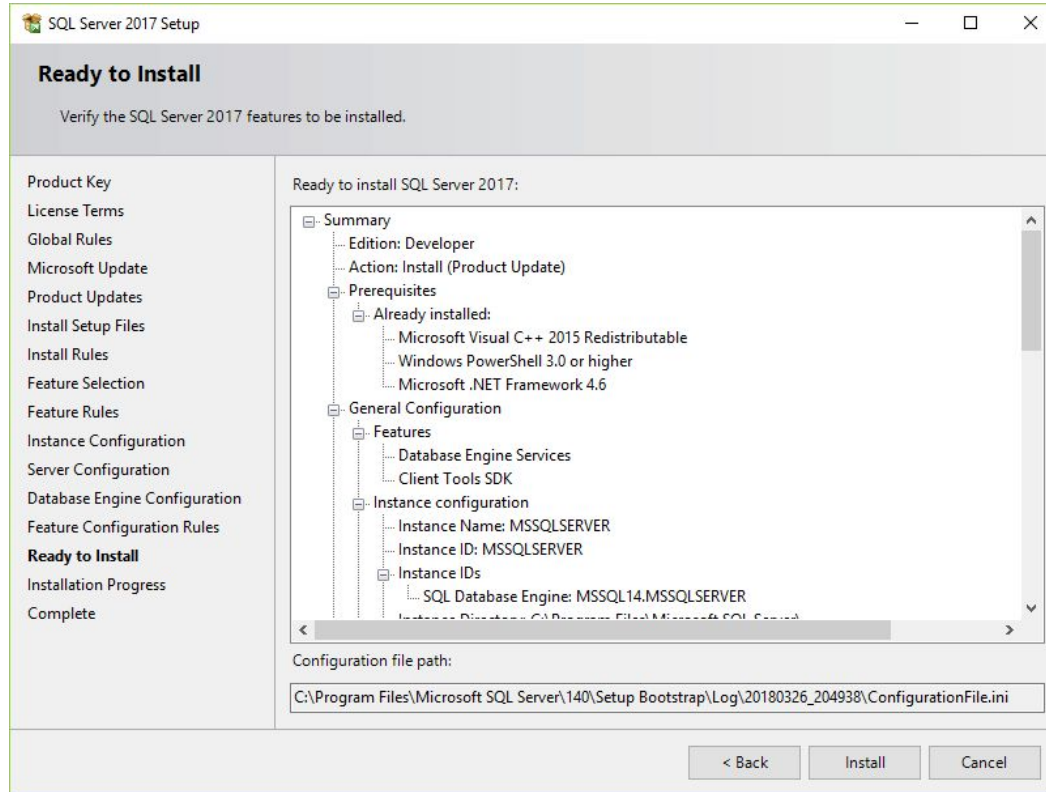
5

< Back Next > Cancel

Centang pada **Mixed Mode** kemudian buatlah password dan konfirmasi password. Lalu, klik **Add Current User** dan klik **Next**



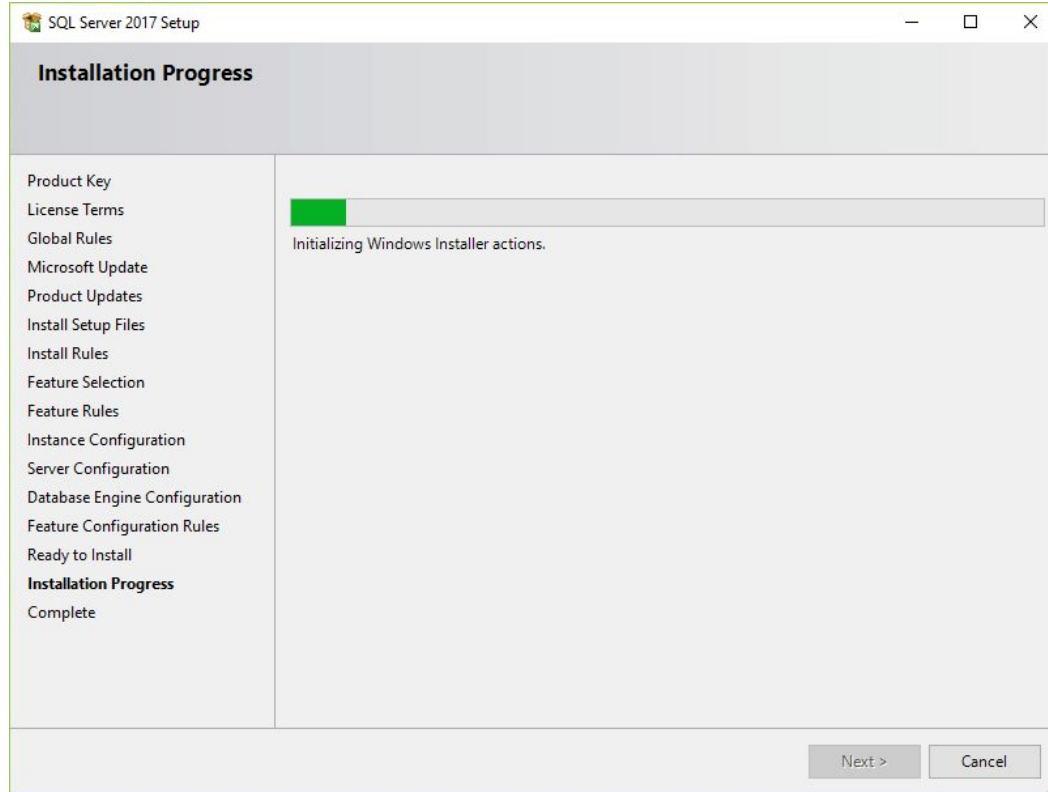
SQL Server Installation



Klik Install



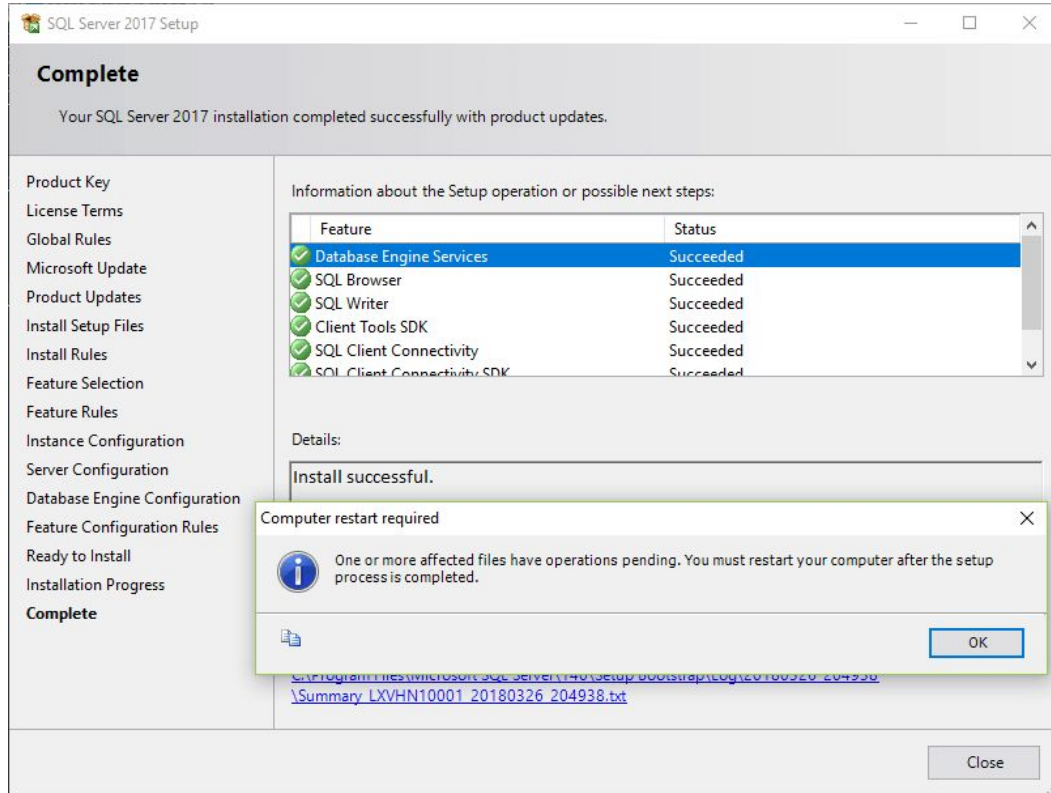
SQL Server Installation



Proses Instalasi akan berjalan



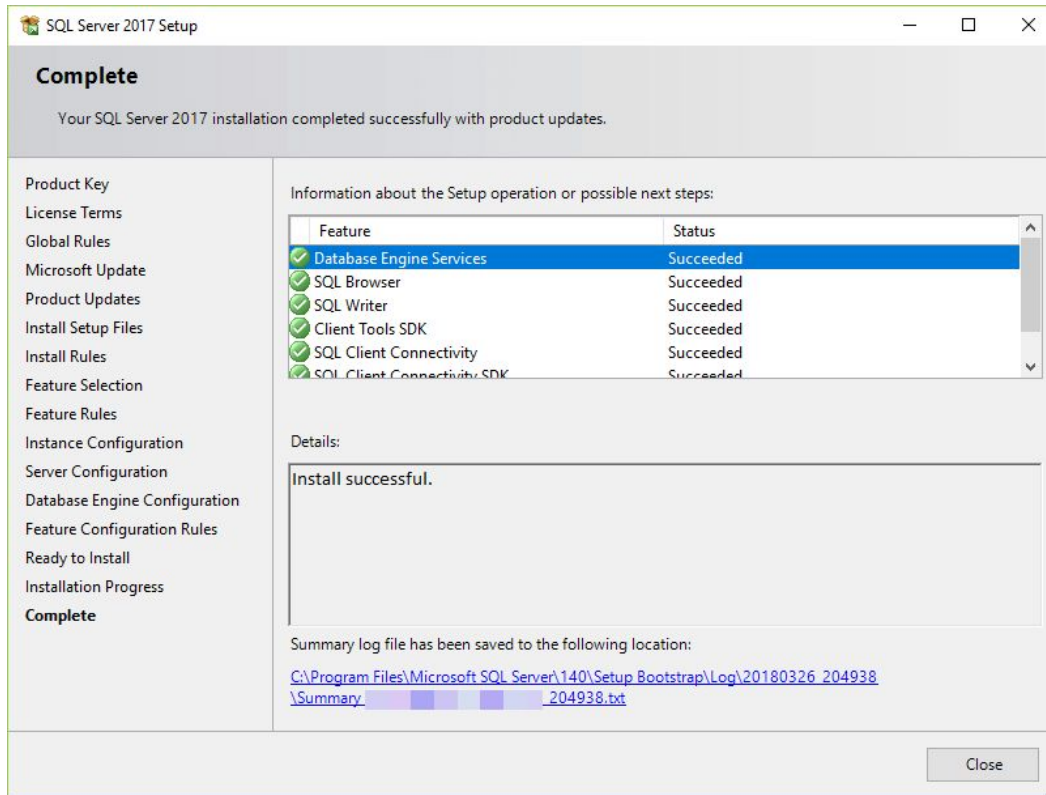
SQL Server Installation



Klik OK



SQL Server Installation



Klik Close

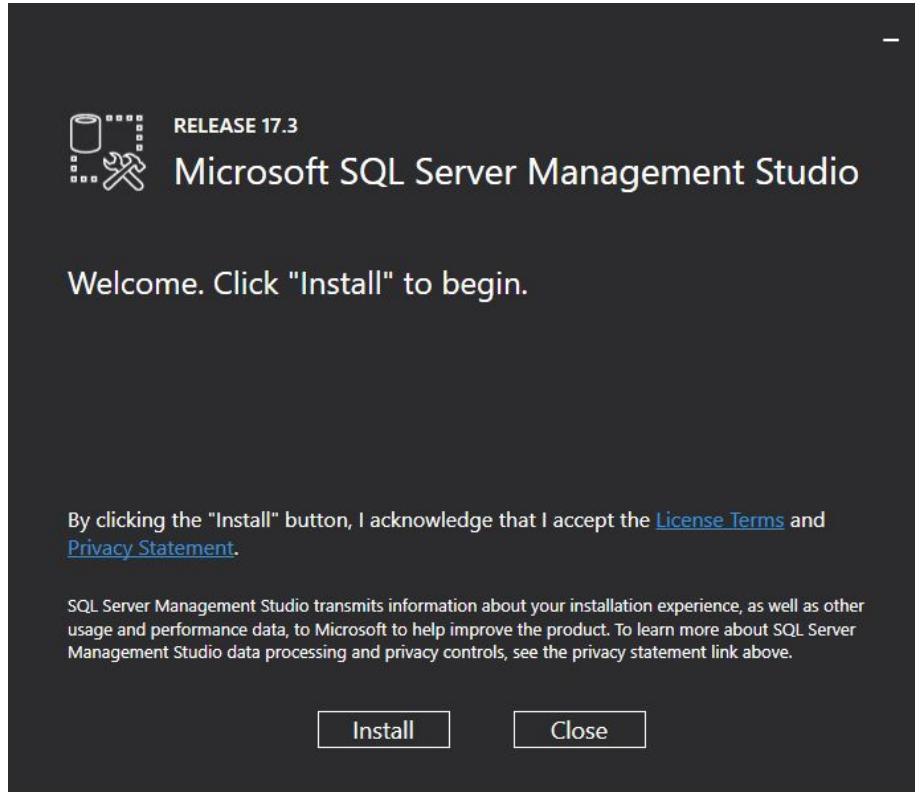


Instalasi SQL Server⁺ Management Studio





SQL Server Management Studio Installation



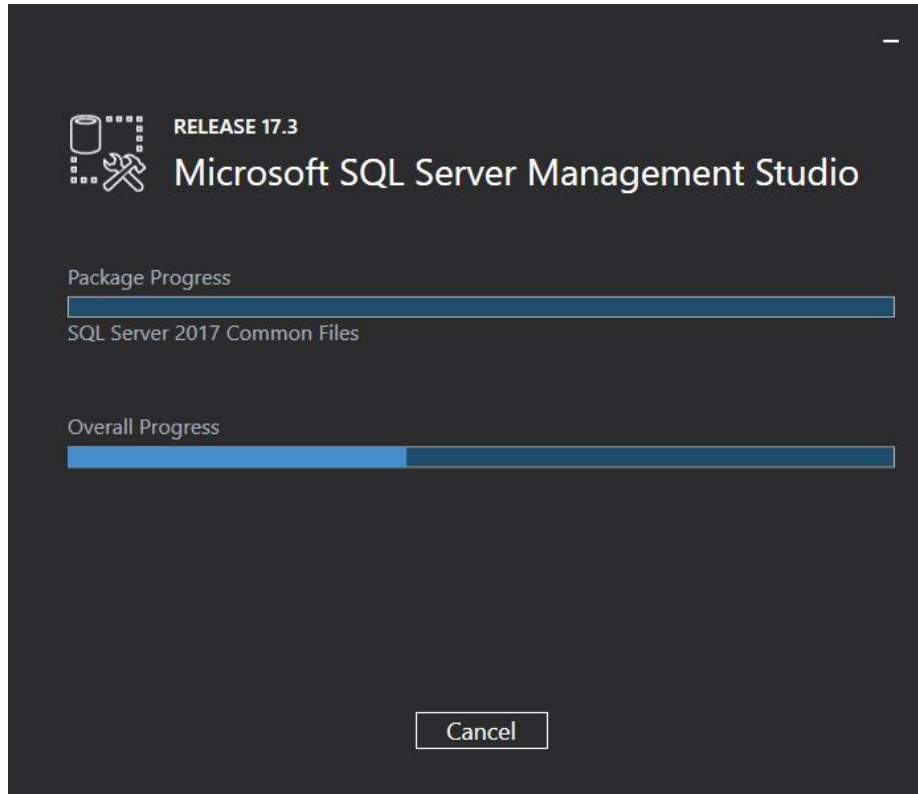
Unduhlah installer pada link berikut

<https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms>

Buka installer dan klik install



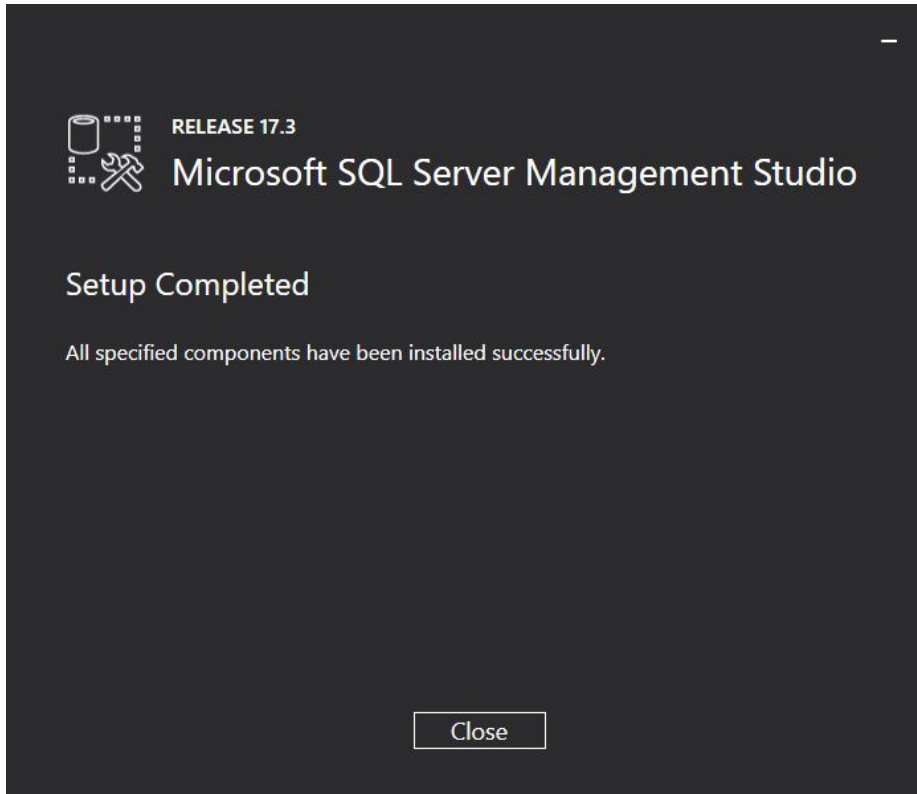
SQL Server Management Studio Installation



Tunggu hingga proses selesai



SQL Server Management Studio Installation



Klik **Close**



Open SQL Server ⁺with SSMS





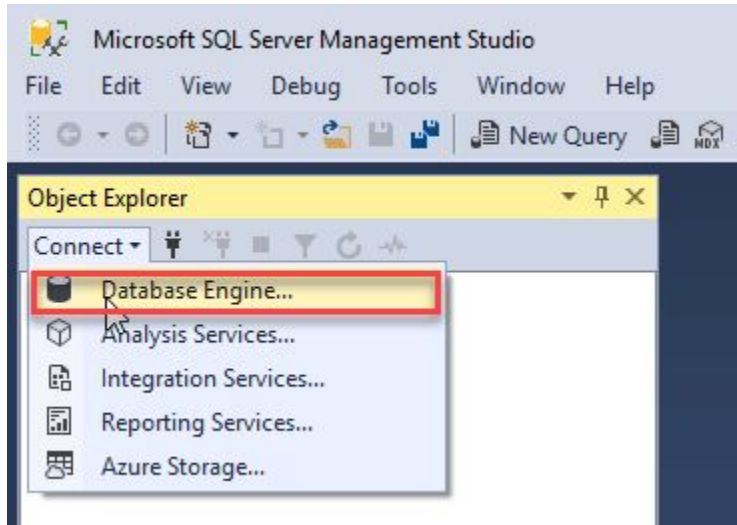
Open SQL Server with SSMS



Buka SSMS dari Start Menu



Open SQL Server with SSMS



Klik **Connect** yang berada di bawah Object Explorer dan klik **Database Engine**



Open SQL Server with SSMS

Connect to Server

SQL Server

Server type: Database Engine

Server name: localhost

Authentication: SQL Server Authentication

Login: sa

Password: *****

☒ Remember password

Connect Cancel Help Options >>

Masukkan password yang telah Anda set di proses sebelumnya.