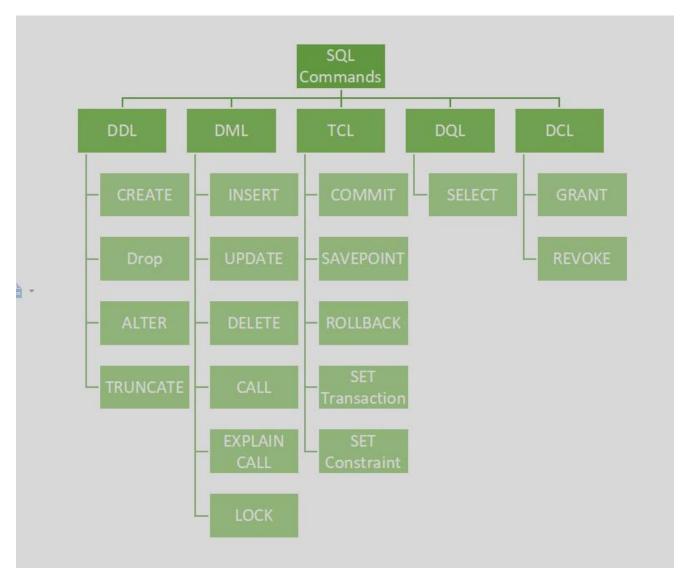
دستورات SQL



مفهوم DDL در SQL چیست؟

دستورات SQL بر اساس عملکردی که دارند به دسته بندی های مختلف تقسیم می شوند. یکی از دسته بندی ها DDL یا DDL محتلف المحتورات SQL بر اساس عملکردی که در این بخش قرار میگیرند برای تعریف بانک اطلاعاتیاستفاده می شوند نه خود داده ها، دستوراتی برای ایجاد بانک اطلاعاتی، جداول، View ها.

مفهوم DQL در SQL چیست؟

DQL یا Data Query Language دستوراتی هستند که برای کوئری گرفتن و استخراج داده ها استفاده می شوند. دستورات DQL تغییری بر روی داده های داخل جداول ایجاد نمی کنند و فقط برای استخراج و مشاهده داده ها استفاده می شوند.

مفهوم DML در SQL چیست؟

دستورات DML یا Data Manipulation Language دستوراتی هستند که برای ایجاد تغییرات در داده های موجود در بانک اطلاعاتی از آن ها استفاده می شود. دستوراتی مانند INSERT برای درج داده ها، UPDATE برای به روز رسانی داده ها و DELETE برای حذف داده ها از دستورات دسته DML هستند.

مفهوم DCL در SQL چیست؟

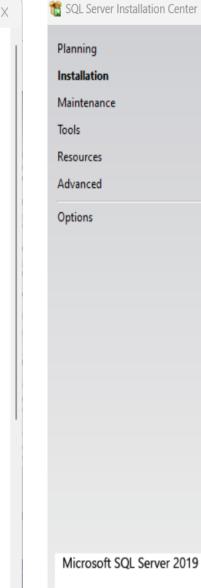
یکی از مباحث مهم در بانک های اطلاعاتی بحث امنیت داده ها و کنترل دسترسی کاربران به بانک های اطلاعاتی و داده های داخل آن است. در SQL یکسری دستورات وجود دارند که برای ارائه مجوز دسترسی و کنترل سایر دسترسی در بانک اطلاعاتی استفاده می شوند و این دستورات در دسته Data Control Language یا PCL یا PCV یا Data Control Language قرار میگیرند. دستوراتی مانند GRANT یا PCVOKE نمونه هایی از این دستورات هستند.

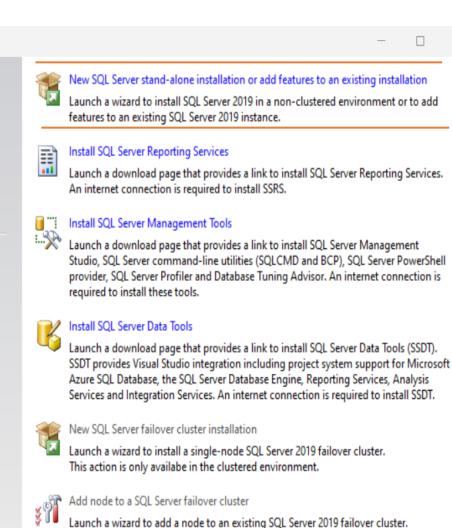
مفهوم TCL در SQL چیست؟

گاهی اوقات نیاز است که یکسری دستورات در SQL به صورت یک واحد یکپارچه اجرا شوند؟ به این معنی که موفقیت آمیز بودن عملیات مورد نظر در گرو اجرای یکسری دستورات است و در صورتی که یکی از دستورات با مشکل مواجه شود، بقیه دستورات باقی مانده نباید اجرا شود و دستورات اعمال شده توسط دستورات قبلی به کنسل شوند. یکسری دستورات اجرا شده قبلی نیز باید به حالت قبل برگردند یا بهتر بگویم تغییرات اعمال شده توسط دستورات قبلی به کنسل شوند. یکسری دستورات مانند TCL تا TCL تا TCL برای این منظور استفاده می شوند که به آن ها اصطلاحاً TCL یا SQL برای این منظور استفاده می شوند که به آن ها اصطلاحاً LCL یا Language

مراحل نصب Microsoft Sql Server 2019





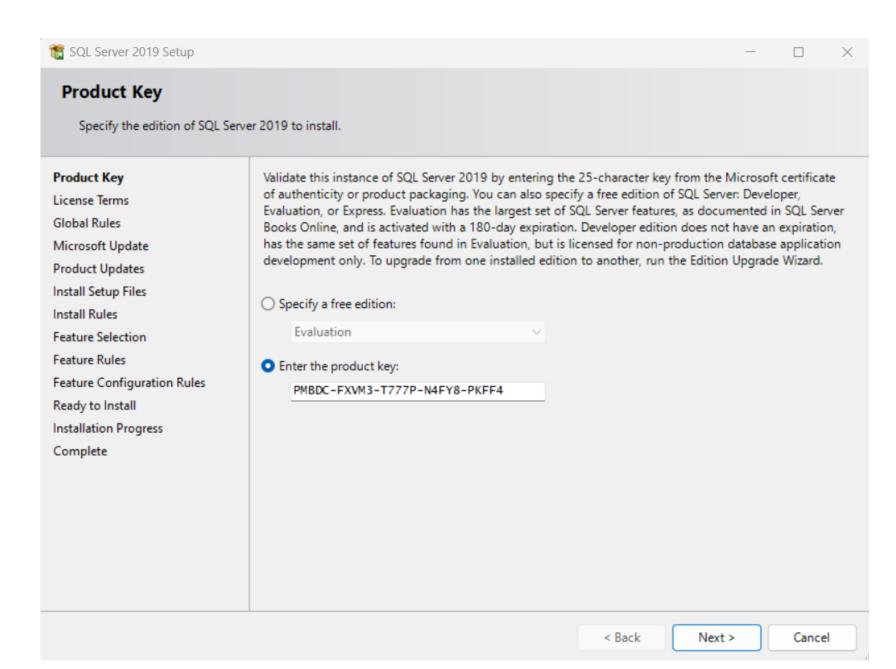


This action is only availabe in the clustered environment.

Upgrade from a previous version of SQL Server

Launch a wizard to upgrade a previous version of SQL Server

Launch a wizard to upgrade a previous version of SQL Server to SQL Server 2019. Click here to first view Upgrade Documentation



License Terms

To install SQL Server 2019, you must accept the Microsoft Software License Terms.

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

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MICROSOFT SQL SERVER 2019 STANDARD

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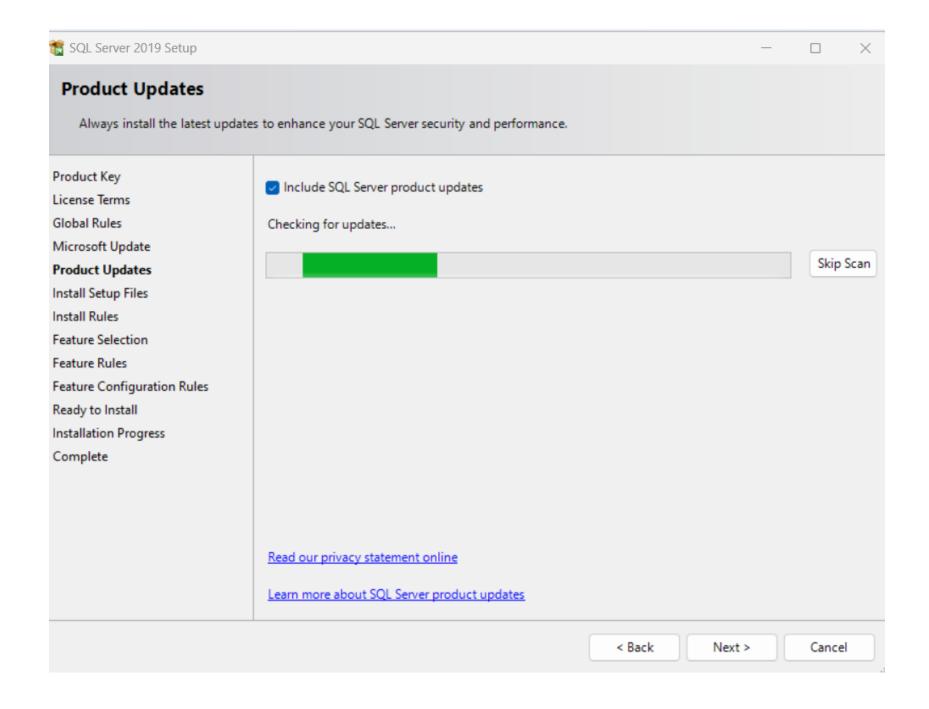
☑ I accept the license terms and Privacy Statement

Notice: A paid SQL Server edition product key has been provided for the current action - Standard. Please ensure you are entitled to this SQL Server edition with proper licensing in place for the product key (edition) supplied.

SQL Server transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about data processing and privacy controls, and to turn off the collection of this information after installation, see the documentation.

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Next >



Install Rules

Setup rules identify potential problems that might occur while running Setup. Failures must be corrected before Setup can continue.

Install Rules

Feature Selection

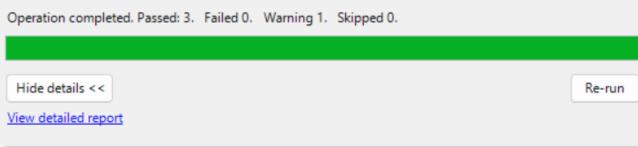
Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

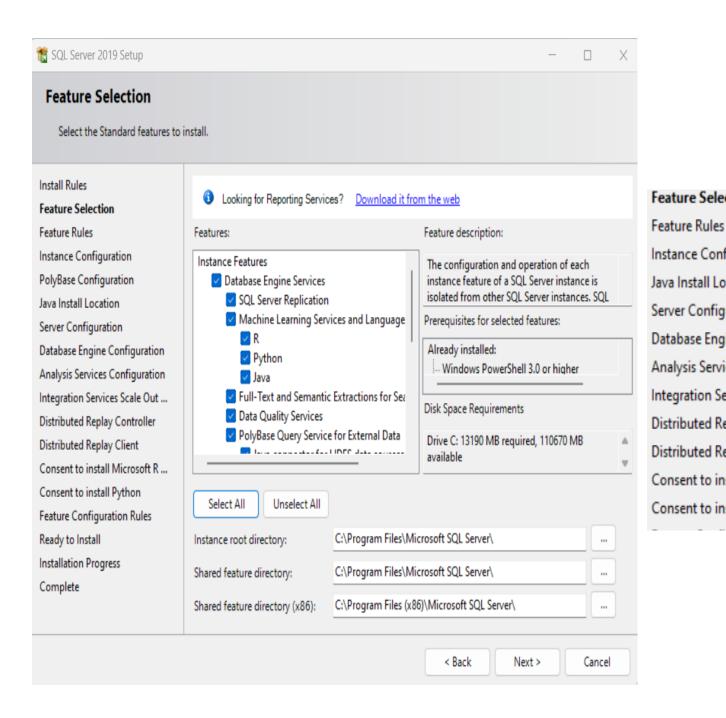
Complete



Rule	Status
Consistency validation for SQL Server registry keys	<u>Passed</u>
Computer domain controller	<u>Passed</u>
Windows Firewall	Warning
SQL 2019 minimum CTP for Upgrade and Side by Side Support	Passed
	Consistency validation for SQL Server registry keys Computer domain controller

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Next >



Feature Selection Features: Feature de Instance Configuration ▼ Full-Text and Semantic Extractions for Sea The confid Java Install Location Data Quality Services instance for isolated fr PolyBase Query Service for External Data Server Configuration Java connector for HDFS data sources Prerequisit **Database Engine Configuration** Analysis Services Already in Analysis Services Configuration Shared Features Windo Integration Services Scale Out ... Data Quality Client Client Tools Connectivity Distributed Replay Controller Disk Space Integration Services Distributed Replay Client Scale Out Worker Drive C: 39 Consent to install Microsoft R ... Clicar Table Dadionada Cassaribilia. available Consent to install Python

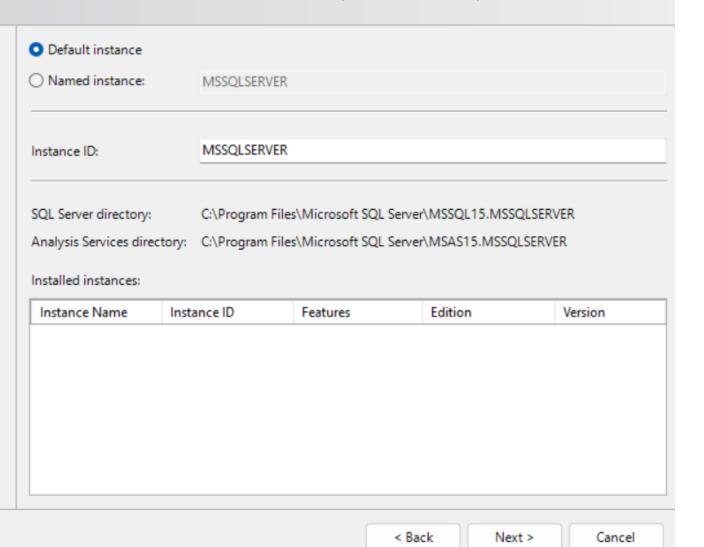
Instance Configuration

Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.

Install Rules Feature Selection Feature Rules Instance Configuration PolyBase Configuration Java Install Location Server Configuration **Database Engine Configuration Analysis Services Configuration** Integration Services Scale Out ... Distributed Replay Controller Distributed Replay Client Consent to install Microsoft R ... Consent to install Python Feature Configuration Rules Ready to Install

Installation Progress

Complete



Database Engine Configuration

Specify Database Engine authentication security mode, administrators, data directories, TempDB, Max degree of parallelism, Memory limits, and Filestream settings.

Install Rules

Feature Selection

Feature Rules

Instance Configuration

Java Install Location

Server Configuration

Database Engine Configuration

Analysis Services Configuration Integration Services Scale Out ... Distributed Replay Controller Distributed Replay Client Consent to install Microsoft R ...

Consent to matum vinciosor

Consent to install Python

Feature Configuration Rules

Ready to Install

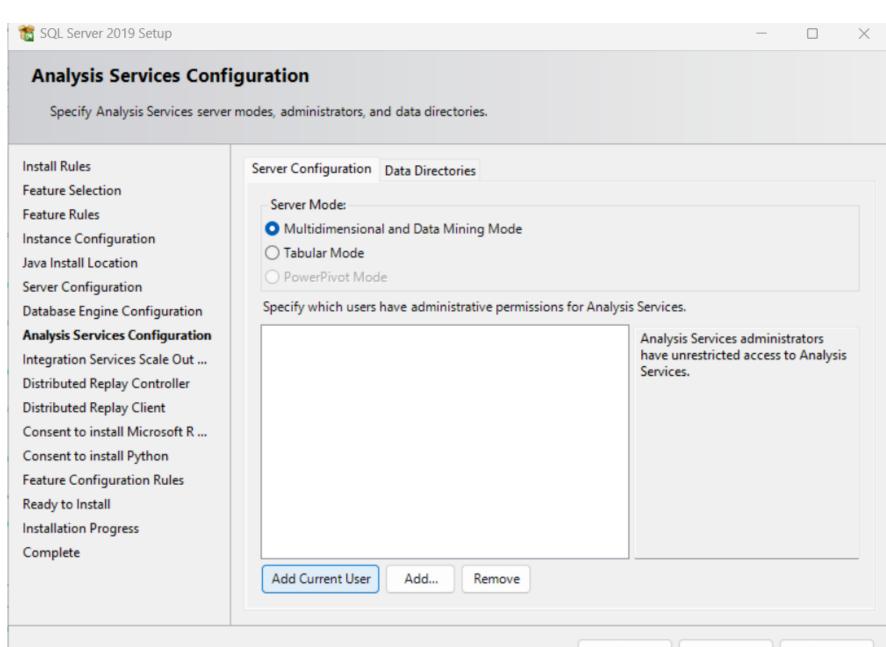
Installation Progress

Complete

	cation mode and administrato	MaxDOP Memory FILESTREAM ors for the Database Engine.	
Authentication Mod	e		
Windows authent	tication mode		
Mixed Mode (SQI	Server authentication and Wi	indows authentication)	
Specify the passwor	d for the SQL Server system ad	ministrator (sa) account.	
enter password:	••••••		
Confirm password:	••••••		
Specify SQL Server a	dministrators		
		SQL Server administrators have unrestricted access to the Database Engine.	
Add Current User	Add Remove		

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Consent to install Microsoft R Open

Download and install necessary pre-requisite.

Install Rules

Feature Selection

Feature Rules

Instance Configuration

Java Install Location

Server Configuration

Database Engine Configuration

Analysis Services Configuration

Integration Services Scale Out ...

Distributed Replay Controller

Distributed Replay Client

Consent to install Microsoft R ...

Consent to install Python

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Microsoft R Open is an enhanced distribution of R made available by Microsoft under the GNU General Public License v2.

R is © the R Foundation for Statistical Computing. For more information on R-related products and services, visit http://r-project.org.

By clicking "Accept" you agreeing to accept patch

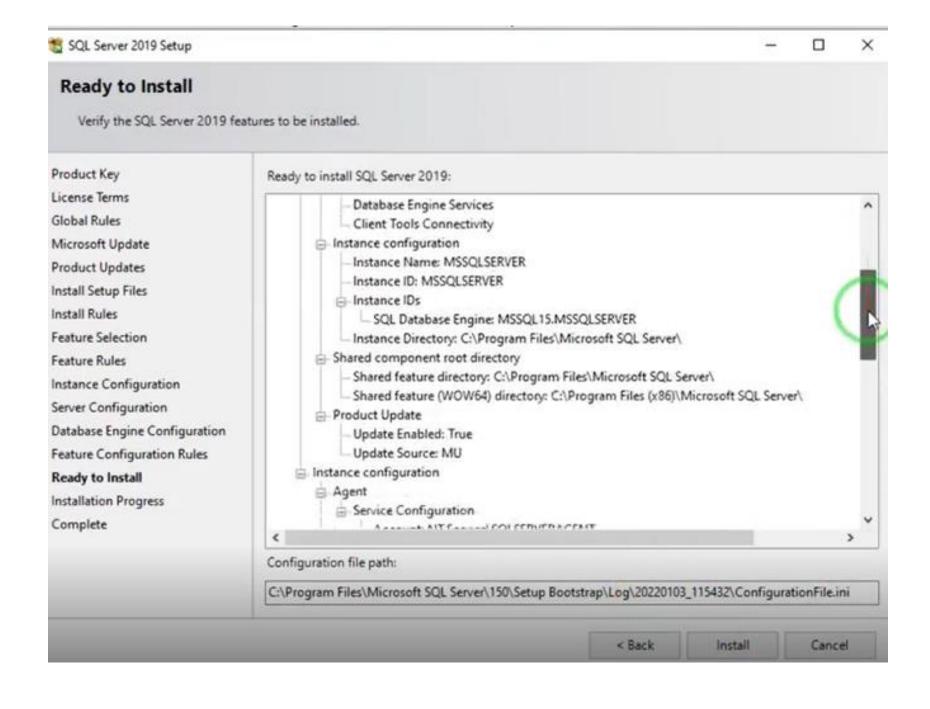
Please Wait ...

rnload Microsoft R Open and install it on your machine, and is software according to your SQL Server update preferences.

Accept

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Complete

Your SQL Server 2019 installation completed successfully with product updates.

Product Key

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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

Information about the Setup operation or possible next steps:

Feature	Status	^
Database Engine Services	Succeeded	
SQL Browser	Succeeded	
SQL Writer	Succeeded	
Client Tools Connectivity	Succeeded	
SQL Client Connectivity SDK	Succeeded	
SOI Client Connecticity	Succeeded	~

Details:

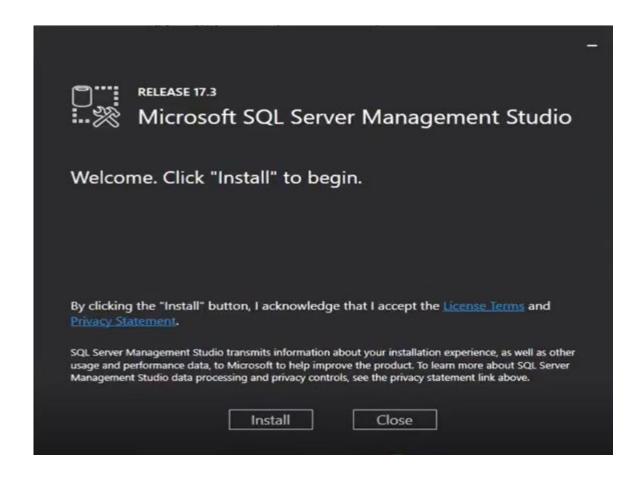
Install successful.

Summary log file has been saved to the following location:

C:\Program Files\Microsoft SQL Server\150\Setup Bootstrap\Log\20220103 115432\Summary DESKTOP-30G1L8M 20220103 115432bd

پارت دوم نصب

Microsoft Sql Server Management Studio





RELEASE 18.12.1

Microsoft SQL Server Management Studio with Azure Data Studio

Package Progress

SQL Server Management Studio for Analysis Services

Overall Progress