به نام خدا

آموزش نصب نرم افزار

Microsoft SQL Server Enterprise 2019

تهيه كننده

مدیریت آمار و فناوری اطلاعات ستاد مرکزی دانشگاه علوم پزشکی یزد

گروه نرم افزار

نکته مهم : این آموزش و نوع تنظیمات گفته شده، تنها برای نصب در سیستم شخصی در جهت تست بازگرداندن (Restore) بکاپ ها می باشد.

در ابتدا فایل نرم افزار را دانلود یا از FTP به آدرس زیر فایل ها را کپی کنید.

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🕀 New 🗸	I A B I N Sort ~ 8= View ~ ···
A Home	Microsoft.SQL.Server.2019.Enterpris sql 2017 SQL.Server.Management.Studio.16.
📩 Gallery	sql_server_2014_enterprise_edition_ service_pack_1_x64.iso
🛄 Desktop 🏾 🖈	
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🕖 Music 🛛 🖈	
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گزارش بکاپ دستی 📒	
> 📃 This PC	
> 🛬 Network	

فایل ایمیج نرم افزار که فرمت iso. دارد را با یکی از نرم افزارهایی که درایو مجازی برای ما می سازد Mount میکنیم.در اینجا از نرم افزار Ultralso استفاده شده است که از این لینک میتوانید دانلود کنید.

نکته: به علت فارسی بودن یک فایل داخل پوشه نرم افزار در FTP ، نمیتوان پوشه اصلی را کپی کرد.بنابراین وارد پوشه می شویم و ابتدا

فایل sqL.Server.Management.Studio.۱۸,۱۱,۱.x٦٤ و پوشه sqL.Server.Management.Studio.۱۸,۱۱,۱.x٦٤ را انتخاب و روی سیستم کپی می کنیم.

Microsoft.SQL.Server.2	1019.Ent × +
\leftarrow \rightarrow \uparrow	C □ → The Internet → 172.16.0.13 → Image → Software → sql → Microsoft.SQL.Server.2019.Enterprise.x64 →
🕀 New 🗸 🔥	[□ [ī] @] @ 11↓ Sort × 8= View × ····
☆ Home ▲ Gallery	SQL.Server.Management.Studio.18. 11.1.x64 SQL.Server.Management.Studio.18.
🔙 Desktop 🔹 🖈	1
Documents	
Music *	
🔛 Videos 🖉	
نداوم کسب و کار -12 🚞 Learning	
گزارش بکاب دستی 🚞	
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بعد از باز کردن فایل اجرایی نرم افزار و باز شدن پنجره اولیه برای شروع نصب، از سمت چپ گزینه Installation را کلیک می کنیم.



گزینه اول New SQL Server stand-alone installation or add features to an existing installation را کلیک می کنیم.



🃸 SQL Server 2019 Setup		_		×
Product Key				
Specify the edition of SQL Sen	ver 2019 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 2019 by entering the 25-character key from the Mi of authenticity or product packaging. You can also specify a free edition of SQL Server Evaluation, or Express. Evaluation has the largest set of SQL Server features, as docume Books Online, and is activated with a 180-day expiration. Developer edition does not he has the same set of features found in Evaluation, but is licensed for non-production da development only. To upgrade from one installed edition to another, run the Edition U Specify a free edition: Evaluation Evaluation Enter the product key: HMWJ3-KY3J2-NMVD7-KG4JR-X2G8G	crosoft Develo inted in ave an tabase pgrade	certificatı per, SQL Serv expiratior applicatic Wizard.	e n, on
	< Back Next >		Cancel	

تيک گزينه I accept the license terms and Privacy Statement را می زنیم و Next را کليک می کنيم.





این صفحه بدون تغییر و Next را کلیک می کنیم.



این صفحه اگر هیچ گزینه Failed وجود نداشته باشد، بدون تغییر در آیتم ها Next را کلیک می کنیم.

🃸 SQL Server 2019 Setup			_		×
Install Rules					
Setup rules identify potential p can continue.	roblems that	might occur while running Setup. Failures must be corrected befo	ore Setup		
Product Key	Operation	completed. Passed: 3. Failed 0. Warning 1. Skipped 0.			
License lerms					
Microsoft Update	Hide det	ails <<		Re-	run
Install Setup Files	View detai	led report			
Install Rules					
Feature Selection	Result	Rule	Status		_
Feature Rules		Consistency validation for SQL Server registry keys	Passed		_
Feature Configuration Rules		Computer domain controller	Passed		
Ready to Install		Windows Firewall	Warning		
Installation Progress		SQL 2019 minimum CTP for Upgrade and Side by Side Support	Passed		
Complete					
		< Back	Next >	Cance	

می توان همه تیک ها خورده باشد یا موارد غیر الزامی مانند تصویر تیک برداشته شود و Next کلیک شود.

📸 SQL Server 2019 Setup			- 0	×
Feature Selection Select the Enterprise features to	install.			
Product Key License Terms Global Rules Microsoft Update Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration JolyBase Configuration JolyBase Configuration Database Engine Configuration Analysis Services Configuration Integration Services Scale Out Integration Services Scale Out Integration Services Scale Out Distributed Replay Controller Distributed Replay Controller Distribu	Looking for Reporting Servic Features: Database Engine Services SQL Server Replication Machine Learning Services Python Java Full-Text and Semantii Data Quality Services PolyBase Query Servic Machine Learning Server (R Analysis Services Shardf Features Machine Learning Server (R Python Data Quality Client Client Tools Schwards Ceatures Scale Out Morker Scale Out Morker	ees? Download it from frices and Language Ext e Extractions for Search e for External Data HDFS data sources Standalone) ompatibility ller DK	n the web Feature description: The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. St Server instances can operate side-by-side o the same computer. Prerequisites for selected features: Already installed:	2L n
	Select All Unselect All Instance root directory: Shared feature directory:	C:\Program Files\Mic	rosoft SQL Server\	

髋 SQL Server 2019 Setup					-	- 0	×
Instance Configuration	n						
Specify the name and instance	ID for the instance of SC	QL Server. Instance ID	becomes part (of the installatio	n path.		
Product Key	O Default instance						
License Terms Global Rules	O Named instance:	MSSQLSERVE	R				
Microsoft Update			_				
Install Rules	Instance ID:	MSSQLSERVE	ĸ				
Feature Selection Feature Rules	SQL Server directory:	C:\Program Fi	les\Microsoft S0	QL Server\MSSQ	L15.MSSQLSERV	/ER	
Instance Configuration	Analysis Services direc	tory: C:\Program Fi	les\Microsoft S0	QL Server\MSAS	15.MSSQLSERVE	R	
PolyBase Configuration	Installed instances:						
Server Configuration	Instance Name	Instance ID	Features	Editio	n	Version	
Database Engine Configuration							
Analysis Services Configuration							
Integration Services Scale Out							
Distributed Replay Controller							
Distributed Replay Client							
Feature Configuration Rules							
				< Back	Next >	Canc	el

این صفحه گزینه اول انتخاب شده باشد و Next را کلیک می کنیم.

🏗 SQL Server 2019 Setup	- • ×
PolyBase Configuration Specify PolyBase scale-out opti	1 on and port range.
Product Key License Terms Global Rules Microsoft Update Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Java Install Location Server Configuration Database Engine Configuration Analysis Services Configuration Integration Services Scale Out Integration Services Scale Out Distributed Replay Controller Distributed Replay Client Feature Configuration Rules	 Use this SQL Server as standalone PolyBase-enabled instance. Choose this option to use this SQL Server instance as a standalone Head node. Use this SQL Server as a part of PolyBase scale-out group. Choose this option to use this SQL Server instance as a Compute node in a PolyBase Scale-out group. To ensure that your PolyBase scale-out group can be configured after installation, make sure that the head node is on enterprise license of SQL Server 2019. Selecting this option will open Firewall on this machine to allow incoming connections to SQL Server Database Engine, SQL Server PolyBase services and SQL Browser. Selecting this option will also enable MSDTC firewall connections and modify MSDTC registry settings. Specify a port range for PolyBase services (6 or more ports): 16450-16460
	< Back Next > Cancel



اين صفحه بدون تغيير و Next را كليك مي كنيم.

🚡 SQL Server 2019 Setup				-	
Server Configuration					
Specify the service accounts and	d collation configuration.				
Product Key	Service Accounts Collation				
License Terms Global Rules	Microsoft recommends that you use	a separate account for each	SQL Server servi	ice.	
Microsoft Update	Service	Account Name	Password	Startu	ip Type
nstall Setup Files	SQL Server Agent	NT Service\SQLSERVERA		Manu	al
nstall Rules	SQL Server Database Engine	NT Service\MSSQLSERVER		Auton	natic
eature Selection	SQL Server Analysis Services	NT Service\MSSQLServer		Auton	natic
eature Rules	SQL Server Integration Services 15.0	NT Service\MsDtsServer1		Auton	natic
nstance Configuration	SQL Server Integration Services Sc	NT Service\SSISScaleOut		Auton	natic
olyBase Configuration	SQL Server Integration Services Sc	NT Service\SSISScaleOut		Auton	natic
ava Install Location	SQL Server Distributed Replay Client	NT Service\SQL Server Di		Manu	al
erver Configuration	SQL Server Distributed Replay Con	NT Service\SQL Server Di		Manu	al
atabase Engine Configuration	SQL Server PolyBase Engine	NT AUTHORITY\NETWO		Auton	natic
analysis Services Configuration	SQL Server PolyBase Data Movem	NT AUTHORITY\NETWO		Auton	natic
ntegration Services Scale Out	SQL Full-text Filter Daemon Launc	NT Service\MSSQLFDLau		M Ma	nual
ntegration Services Scale Out	SQL Server Browser	NT AUTHORITY\LOCAL		Disabl	ed
Distributed Replay Controller			·		
Distributed Replay Client	Grant Perform Volume Maintenan	ce Task privilege to SQL Serv	ver Database En	gine Servic	e
eature Configuration Rules	This privilege enables instant file i	nitialization by avoiding zero	oing of data pag	ges. This ma	ay lead
leady to Install	to information disclosure by allow	ing deleted content to be ac	cessed.		
nstallation Progress					_
		< Bac	k Nex	t >	Canc

در این صفحه، تب Server Configuration انتخاب شده باشد و کلید رادیویی Windows authentication mode انتخاب شده باشد و کلید Add Current User را کلیک می کنیم و در نهایت Next را کلیک می کنیم.

📸 SQL Server 2019 Setup		– 🗆 🗙
Database Engine Config Specify Database Engine auther parallelism, Memory limits, and	guration ntication security more, administrators, data directories, TempDB, Max degree of Filestream setting	
Product Key	Server Configuration Data Directories TempDB MaxDOP Memory FILESTREA	AM
License Terms Global Rules	Specify the authentication mode and administrators for the Database Engine.	
Microsoft Update	Authentication Mode	
Install Setup Files	• Windows authentication mode	
Install Rules	Mixed Mode (SOL Server authentication and Windows authentication)	
Feature Selection		
Feature Rules	Specify the password for the SQL Server system administrator (sa) account.	
Instance Configuration	Enter password:	
PolyBase Configuration	Confirm password:	
Server Configuration	Spacify SOL Space administrators	
Database Engine Configuration	Specify SQL Server administrators	
Analysis Services Configuration	MFK-TF-SETAD\MFK (MFK) SQL Server adm unrestricted acc	inistrators have ess to the Database
Integration Services Scale Out	Engine.	
Integration Services Scale Out		
Distributed Replay Controller		
Distributed Replay Client		
Feature Configuration Rules		
Ready to Install	Add Current User Add Remove	
Installation Progress		
	< Back Nex	t > Cancel

در این صفحه، تب Server Configuration انتخاب شده باشد و کلید رادیویی Tabular Mode انتخاب شده باشد و کلید Add Current User را کلیک می کنیم و در نهایت Next را کلیک می کنیم.

🈤 SOL Server 2019 Setup			_		×
Analysis Services Config Specify Analysis Services server	guration modes, administrates, and data directories.				
Product Key License Terms Global Rules Microsoft Update Install Setup Files 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 Integration Services Scale Out Distributed Replay Controller Distributed Replay Client	Server Configuration Data Directories Server Mode: Multidimensional and Data Mining Mode Tabular Mode PowerPivot Mode Specify which users have administrative permissions for Analy MFR-IT-SETAD\MFR (MFR)	rsis Services. Analysis unrestri Services	s Services admir cted access to A ;.	nistrators Analysis	have
Ready to Install Installation Progress	Add Current User Add Remove				
		Back	Next >	Car	ncel

در این صفحه، کلید رادیویی Create a new SSL certificate انتخاب شده باشد و Next را کلیک می کنیم.

🐮 SQL Server 2019 Setup	- O X							
Integration Services Sc	ale Out Configuration - Master Node							
Specify the port number and security certificate for the Scale Out Master node.								
Product Key License Terms	Specify a port number that the master node uses to communicate with the worker nodes.							
Global Rules Microsoft Update Install Setup Files	Port Number: 8391							
Install Rules Select a SSL certificate that is used for the communication between the master node and worker n Feature Selection in the scale out topology. A default self-signed certificate is created if you choose to create a new Feature Rules certificate.								
Instance Configuration PolyBase Configuration Java Install Location	• Create a new SSL certificate							
Server Configuration Database Engine Configuration	CNs in the certificate:							
Integration Services Scale Ou Integration Services Scale Out	Use an existing SSL certificate							
Distributed Replay Controller Distributed Replay Client Feature Configuration Rules	Browse							
Ready to Install Installation Progress								
	< Back Next > Cancel							

این صفحه بدون تغییر و Next را کلیک می کنیم.

1 SQL Server 2019 Setup			_		×					
Integration Services Sc	Integration Services Scale Out Configuration - Worker Node									
Specify the master hode endpoi	nt and security certificate used by the scale Out worker hode.									
Product Key	Provide the master node endpoint which the worker node n	Provide the master node endpoint which the worker node needs to connect to (e.g. https://								
License Terms	[MasterNodeMachineName]:[Port]):									
Global Rules										
Microsoft Update	https://mfr-it-setad:8391									
Install Setup Files										
Install Rules										
Feature Selection	Configure the SSL certificate of master node to trust in this	machine. The	master's SSL certifi	icate nee	ds					
Feature Rules	to be trusted on this worker node for establishing the conn	ection betweer	n worker and mast	er. This is	;					
Instance Configuration	optional if your master certificate has already been trusted,	i.e. it's issued t	by a trusted CA (C	ertificatio	n					
PolyBase Configuration	the master's client SSL certificate, i.e. the certificate is create	ed and self-sigr	ned by yourself an	d the	:					
Java Install Location	master is not on the same machine.	-								
Server Configuration										
Database Engine Configuration										
Analysis Services Configuration										
Integration Services Scale Out			Browse							
Integration Services Scale Ou										
Distributed Replay Controller										
Distributed Replay Client										
Feature Configuration Rules										
Ready to Install										
Installation Progress										
		< Back	Next >	Cancel						

1 SQL Server 2019 Setup			-	- 🗆	ı ×
Distributed Replay Co	ntroller				
Specify Distributed Replay Con	troller service access permissions.				
Product Key	Specify which users have permissions for the Dist	tributed Replay Cor	ntroller service.		
License Terms	MFR-IT-SETAD\MFR (MFR)	l	Jsers that have been gr	anted per	mission
Global Rules		v	vill have unlimited acc	ess to the	
Microsoft Update		L	Distributed Replay Con	troller sen	vice.
Install Setup Files					
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					
Integration Services Scale Out					
Distributed Replay Controller					
Distributed Replay Client					
Feature Configuration Rules					
Ready to Install					
Installation Progress	Add Current User Add Remove				
				1	
		< Bac	:k Next >	Ca	ancel

این صفحه بدون تغییر و Next را کلیک می کنیم.

📸 SQL Server 2019 Setup		-		×
Distributed Replay Clie	ent			
Specify the corresponding cont	roller and data directori	ies for the Distributed Replay Client.		
Product Key License Terms Global Rules Microsoft Update Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Java Install Location Server Configuration Database Engine Configuration Analysis Services Configuration Integration Services Scale Out Integration Services Scale Out Distributed Replay Controller Distributed Replay Controller Pistributed Replay Client Feature Configuration Rules Ready to Install Installation Progress	Specify controller ma <u>C</u> ontroller Name: <u>W</u> orking Directory: <u>R</u> esult Directory:	achine name and directory locations. C:\Program Files (x86)\Microsoft SQL Server\DReplayClient\WorkingDir C:\Program Files (x86)\Microsoft SQL Server\DReplayClient\ResultDir\		
		< <u>B</u> ack <u>N</u> ext >	Cance	el



Installation Progress	
Product Key	
License Terms	
Global Rules Install_VSTA_Cpu32_Action	
Microsoft Update	
Install Setup Files	
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	
Integration Services Scale Out	
Distributed Replay Controller	
Distributed Replay Client	
Feature Configuration Rules	
Keady to Install	
Installation Progress	
Next > Cancel	

در نهایت و پس از نصب تمام موارد نرم افزار، با صفحه زیر مواجه می شویم که دکمه Close را کلیک می کنیم.

髋 SQL Server 2019 Setup			-		×
Complete Your SQL Server 2019 installation	on completed successfully.				
Product Key License Terms Global Rules Microsoft Update Install Setup Files 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 Integration Services Scale Out Distributed Replay Controller Distributed Replay Client Feature Configuration Rules Ready to Install Installation Progress	Information about the Setup operation or possible r Feature Master Data Services Data Quality Services Full-Text and Semantic Extractions for Search Java connector for HDFS data sources PolyBase Query Service for External Data Database Engine Services SQL Server Replication Details: Install successful. Summary log file has been saved to the following lo C\Program Files\Microsoft SQL Server\150\Setup B SETAD 20241109 134102.txt	next steps: Status Succeeded S	\Summar	y MFR-IT	
				Close	

پس از نصب SQL Server باید نرم افزار استودیو مدیریت آن را نصب کنیم که در فایل نصبی آن در پوشه SQL Server Management Studio به نام SSMS-Setup-ENU.exe می باشد.



	RELEASE 18.11.1 Microsoft SQL Server Management Studio with Azure Data Studio)
Package P	Progress	
A 42 6		
Microsoft	t Analysis Services OLE DB Provider	
Overall Pr	t Analysis Services OLE DB Provider rogress	
Overall Pr	t Analysis Services OLE DB Provider rogress	
Overall Pr	t Analysis Services OLE DB Provider rogress	
Overall Pr	t Analysis Services OLE DB Provider rogress	

