Please read this *all* the way through before starting the install. If you have any questions along the way, please message or call me on Teams, or post in the Questions channel.

If you are on a Mac, you'll want to follow this process instead: https://www.quackit.com/sql_server/mac/install_sql_server_on_a_mac.cfm

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Installing SQL Server:

- 1. Go to <u>Azure</u>.
 - a. click Software on the left side of the screen
 - b. search SQL and click one of the options for SQL Server
 - c. click the button to generate a download link

Microsoft Azure	P Search resources, services, and docs (G-	*A		💵 🕼 📮 😳 ? 😁 NAIT (NAITCA CHARCED SOFTE 🧐
Home > Education Education Software * ···	1			Software ×
≪	Yroduct category : All Op	erating System : All System type : 64 bit,Service	Product language : English, Multilanguage	4
Get started 2 Items Learning resources Name 1	Product category †↓	Operating System ↑↓	System type ↑↓	SQL Server 2019 Developer Build, test, and demonstrate applications in a non-production environment with this full-featured edition of SQL Server 2019.
Roles SQL Serve	r 2019 Developer Database	Windows	64 bit	Build, test, and demo apps in non-production environments, All Enterprise Edition features available.
V Learning	r 2019 Developar Database	Windows	64 bit	Windows
My account				English
A Profile Need help?				Generate URL
2 Support				·

- 2. Copy the generated link, then paste in a browser.
 - a. This will start the download of an .iso file.
 - b. When the download completes, double click it, then run setup.exe:

Name	Date modified	Туре	Size	
1033_ENU_LP	2020-01-24 10:58 AM	File folder		
📊 redist	2019-09-24 9:15 PM	File folder		
resources	2019-09-24 8:09 PM	File folder		
📊 Tools	2019-09-24 10:28 PM	File folder		
<mark></mark>	2020-02-07 5:21 PM	File folder		
autorun.inf	2019-09-24 8:32 PM	Setup Information	1 KE	
Medialnfo.xml	2019-09-24 8:32 PM	XML Document	1 KE	
🛃 setup.exe	2019-09-24 8:32 PM	Application	124 KE	
🖓 setup.exe.config	2019-09-24 8:32 PM	XML Configuratio	1 KE	
SqlSetupBootstrapper.dll	2019-09-24 8:32 PM	Application exten	216 KE	

c. This will launch the SQL Server Installation Center:

1	SQL Server Installation Center		- 🗆 X
	Planning	•	, Hardware and Software Requirements View the hardware and software requirements.
	Maintenance	=	Security Documentation
5	Tools		View the security documentation.
1	Resources Advanced	4	Online Release Notes View the latest information about the release.
	Options	9	System Configuration Checker Launch a tool to check for conditions that prevent a successful SQL Server installation.
			Download Data Migration Assistant (DMA) Data Migration Assistant (DMA) analyzes SQL Server components that are installed and identifies issues to fix either before or after you upgrade to SQL Server 2019.
2		•	Online Installation Help Launch the online installation documentation.
iı 1		•	How to Get Started with SQL Server 2019 Failover Clustering Read instructions on how to get started with SQL Server 2019 failover clustering.
4 1		•	Upgrade Documentation View the document about how to upgrade to SQL Server 2019 from a previous version of SQL Server.
" w w w	Microsoft SQL Server 2019	•	Download SQL Server Migration Assistant (SSMA) SQL Server Migration Assistant (SSMA) can migrate Oracle, SAP ASE, MySQL, DB2, and Access databases to SQL Server, Microsoft Azure SQL Database, and Microsoft Azure SQL Data Warehouse. SSMA automates all aspects of migration including migration assessment analysis, schema and SQL statement conversion, data migration, and

3. Click the Installation tab and select the first option for Stand-alone installation:



- a. An installation wizard will walk you through the steps to install.
 - When you get to the Product Key step, select Express instead of Developer:



ii. On the Feature Selection step, check Database Engine Services:

📸 SQL Server 2019 Setup		- D >
Feature Selection Select the Express features to in	stall.	
Global Rules Microsoft Update Product Updates	Ownload it fro Looking for Reporting Services? <u>Download it fro</u> <u>F</u> eatures:	<u>m the web</u> Feature description:
Install Setup Files Install Rules Product Key	Instance Features	Includes the Database Engine, the core service for storing, processing and securing data. The Database Engine provides controlled access
License Terms Feature Selection Feature Rules Instance Configuration	R R Python Java Full-Text and Semantic Extractions for Sec	Already installed: Windows PowerShell 3.0 or higher Microsoft Visual C++ 2017 Redistributable
Server Configuration Database Engine Configuration Feature Configuration Rules	PolyBase Query Service for External Data Java connector for HDFS data sources <	

iii. On the **Database Engine Configuration** step, you'll have to click **Add Current User** before you can proceed:

髋 SQL Server 2019 Setup						
Database Engine Config	guration					
Specify Database Engine auther parallelism, Memory limits, and I	tication security mode, a filestream settings.	dministrators, dat	ta directori	es, TempDl	3, Max degree o	f
Global Rules	Server Configuration	Data Directories	TempDB	Memory	User Instances	FILESTR
Microsoft Update Product Updates	Specify the authenti	cation mode and	administra	tors for the	Database Engin	e.
Install Setup Files	Authentication Mod	e				
Install Rules	Windows authent	ication mode				
Product Key	O Mixed Mode (SOI	Server authentica	ation and \	Vindows au	uthentication)	
License Terms	0					
Feature Selection	Specify the passwore	d for the SQL Serv	er system a	administrat	or (sa) account.	
Feature Rules	Enter password:					
Instance Configuration	Confirm password:					
Server Configuration						
Database Engine Configuration	Specify SQL Server a	dministrators —				
Feature Configuration Rules	DANA-TOSHIBA\da	na (dana)			SQL Serve	r adminis
Ready to Install					unrestricte Engine	ed access
Installation Progress					- crigine.	
Complete						
	Add Current User	Add R	emove		[

Installing SQL Server Management Studio (the DBMS):

 When SQL Server finishes its installation, reopen the SQL Server Installation Center and on the Installation tab again, then click Install SQL Server Management Tools:



a. This will launch a link to Microsoft Docs. Scroll down and click **Download SQL** Server Management Studio (SSMS):

Microsoft Docs Documentation	on Learn	Q&A Code Samples
SQL Docs Overview V Install V Secure V	Develop	✓ Administer ✓ Analyze ✓ Reference ✓
Docs / SQL / Tools / SQL Server Management	Studio (SSM	S) / Download SSMS
Version		Download SOL Server Management Studio (SSMS)
SQL Server 2019	~	04/20/2021 • 6 minutes to read • 🍙 💮 🚱 🤀 🕼
₩ Filter by title		
 >qc server management studio (ssivis) 		Applies to:
Download SSMS		Analytics
Release Notes		SQL Server Management Studio (SSMS) is an integrated environment for managing any SQL infrastructure, from SQL Server to Azure
> Overview		SQL Database. SSMS provides tools to configure, monitor, and administer instances of SQL Server and databases. Use SSMS to
> Quickstarts		deploy, monitor, and upgrade the data-tier components used by your applications, and build queries and scripts.
> Tutorials		Use SSMS to query, design, and manage your databases and data warehouses, wherever they are - on your local computer, or in the
> Concepts		cloud.
> How-to		
> References		Download SCMS
> Resources		
> SqlPackage.exe		Download SQL Server Management Studio (SSMS) 18.9.1 🖉
> SQL Server Profiler		
> Visual Studio native helpers		SSMS 18.9.1 is the latest general availability (GA) version. If you have a previous GA version of SSMS 18 installed, installing SSMS
> Extended Eastures		To.a.T upgrades it to To.a.t.

b. That will download an .exe file named something like SSMS-Setup.

c. Double-click that file to run the installation wizard:



d. Go get a coffee or drink of water because this'll take a while. As a heads up, you may be prompted to restart your computer during this install. When it's done, you'll see something like:



How do I know if everything installed correctly?

1. In your start menu, you'll see a **Microsoft SQL Server Tools** folder containing an application called **Microsoft SQL Server Management Studio** (you can search in your start menu by typing just **ssms**):



2. When you open SSMS, you can click this button to connect to the Server:

Incrosoft SQL Server Management Studio File Edit View Tools Window Help Image:	扇 扇 扇 × 正 命 う フ・ C d Connect to Server	- 🖾 - 🏓 delete	- @ / = ×	Quick Launch (Ctrl+(P	- 8	×
Object Explorer • # × Connect• # *# = T & *	Server type: Dati Server name: 33 Authentication: Win User name: 2 Password: 2 Connect	ATOSHIBASQLEXPRESS dows Authentication DANA-TOSHIBASquescentration Remember password Cancel Help	v v v			
L Ready						

3. You'll then see a screen something like this:



a. If you click **New Query** at the top of the screen and a blank script opens, you're ready to run your first SQL script!

- SQLQuery1.sql - (local)\sqlexpress.master (E	DANA-TOSHIBA\dana (56)) - Microsoft SQL Server Management Studio
File Edit View Query Pro	ject T ools Window Help
0 - 0 者 - 🖞 - 😩 🗳 🞜 Ne	w Query 🛢 📾 📾 📾 🗟 🕹 🗗 🏦 🐬 - ୯ - 🖾 🛛 - 🍺
🕴 🕅 master 🕞 🕨	=xecute 🗉 ✔ t% 🗇 🕞 I% t% 🔛 │ 🗟 🖽 🗗 │ 🦉 🥞 -至 至
Object Explorer 🔹 म 🗵	SQLQuery1dana (56)) ⊭ ×
Connect- 🕆 🏋 = 🕆 🖒 🚸	1
🗉 🗟 .\sqlexpress (SQL Server	
🗉 📁 Databases	
🖲 💻 Security	
🗉 💻 Server Objects	
🗉 💻 Replication	
🗄 💻 PolyBase	
🗉 💻 Management	
🗉 🗹 XEvent Profiler	

Common errors:

SQL Server not configured:

★ If you are getting this error:

A network-related or instance-specific error occurred while establishing a connection to SQL Server. The server was not found or was not accessible. Verify that the instance name is correct and that SQL Server is configured to allow remote connections. (provider: Named Pipes

Provider, error: 40 - Could not open a connection to SQL Server) (Microsoft SQL Server, Error: 2)

This probably means one of 2 things. Either:

- 1. you have SSMS installed but are missing SQL Server, and you need to re-run that section above, **or**
- 2. you may have the wrong server name populated, and you'll need to read the next question to figure out the correct server name.

Wrong or missing server name:

When you open SSMS, you may see a blank beside Server name:

🖵 Connect to Server	>
	SQL Server
Server type:	Database Engine 🗸
Server name:	· · · · · · · · · · · · · · · · · · ·
Authentication:	Windows Authentication ~
User name:	DANA-TOSHIBA\dana ~
Password:	
	Remember password
	Connect Cancel Help Options >>

In that case, try typing a single period **OR** if you installed SQL Express, **.\sqlexpress** as the server name:

🖵 Connect to Server		×	Connect to Server		×	
SQL Server			SQL Server			
Server type:	Database Engine	~	Server type:	Database Engine	~	
Server name:		~	Server name:	.\sqlexpress	~	
Authentication:	Windows Authentication	~	Authentication:	Windows Authentication	~	
User name:	DANA-TOSHIBA\dana	~	User name:	DANA-TOSHIBA\dana	\sim	
Password:			Password:			
	Remember password			Remember password		
	Connect Cancel Help	Options >>		Connect Cancel Help	Options >>	

If neither of those work and you are still getting the same error, you may have to find the server name manually: <u>https://stackoverflow.com/questions/16088151/how-to-find-server-name-of-sql-server-management-studio</u>