DB Module



MSSQL Server Installation on Mac OS

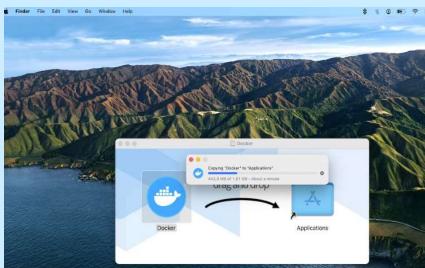
Databases

Day 1

Step 1 – Install n Configure Dockers

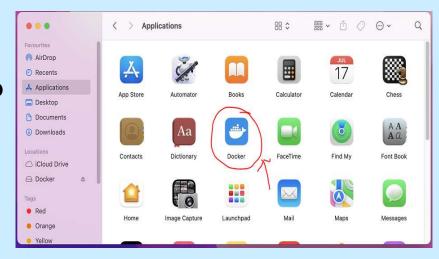
- Microsoft developed SQL Server for Windows.
 To run it on Mac, need Docker software tool for the task as it provides an environment for SQL Server to work in.
- Go to Docker website (do search install dockers mac) and download the app for your Mac. Make sure to check which chip to use to download. Allow downloads when prompted.
- Find and open Docker.dmg in your Downloads.
- Double-click the .dmg file to start the installation process.
 Once done, drag the Docker.app icon to Applications folder.





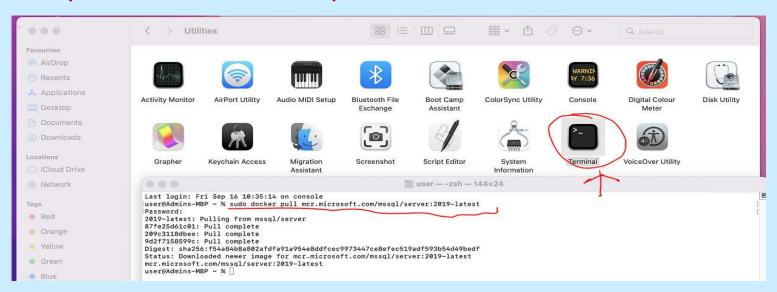
Step 1 – Install n Configure Dockers

- Find Docker in Finder > Applications and open it.
- The app will need to install a helper, so your Mac will ask to confirm the action with your password.
- Docker Desktop needs privileged access. Click OK and enter password when prompted.



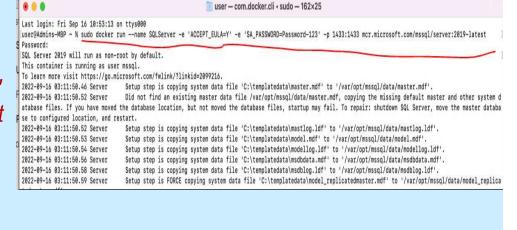
Step 2 – Install MSSQL Server

- Follow these steps to set up SQL Server as a <u>Docker container</u>:
- Download the SQL Server Image
- Start by opening Terminal in Finder > Applications > Utilities or through a Spotlight search.
- In Terminal window, type in the following command to download the image for SQL server 2019 and hit Enter:
- sudo docker pull mcr.microsoft.com/mssql/server:2019-latest



Step 3 – Launch MSSQL Image

- Launch SQL Server Image in Docker:
- with the following command in Terminal:
- sudo docker run --name SQLServer -e
 'ACCEPT_EULA=Y' -e 'SA_PASSWORD=Password-123'
 -p 1433:1433 mcr.microsoft.com/mssql/server:2019-latest
- Note
 - ACCEPT_EULA=Y means you are accepting end user license agreement for Docker.
 - Password needs to be at least 8 characters long, include uppercase n lowercase letters, numbers, and symbols.
- SQL Server should be running check Dockers.

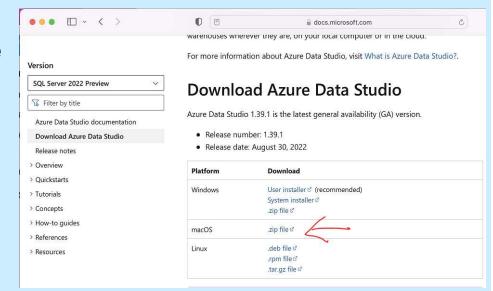


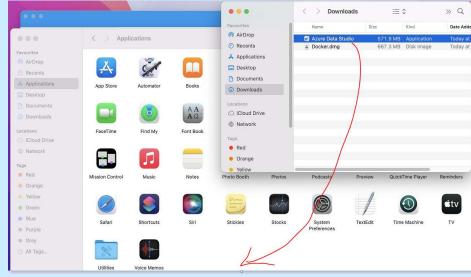


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Step 4-Install Azure Data Studio

- Azure Data Studio is a lightweight management tool for managing SQL Server. Is free n available for macOS, Linux, and Windows. Mac equivalent for SQL Server Management Studio (SSMS).
- Go to Azure Data Studio download page and click the .zip file for macOS. (google "azure data studio").Find the version of the tool for macOS and download.
- Install Azure Data Studio.
- Once the .zip file has downloaded, drag and drop the Azure Data Studio icon from your Downloads folder to Applications in Finder.
- Launch Azure Data Studio
- Launch Azure Data Studio (by clicking on its icon in your Launchpad or the Applications folder).





Step 4 – Check if SQL Server Working

Open the app and click New connection.

Connect to SQL Server

Enter the SQL Server connection details.

Server Name: localhost

Authentication Type: SQL Login

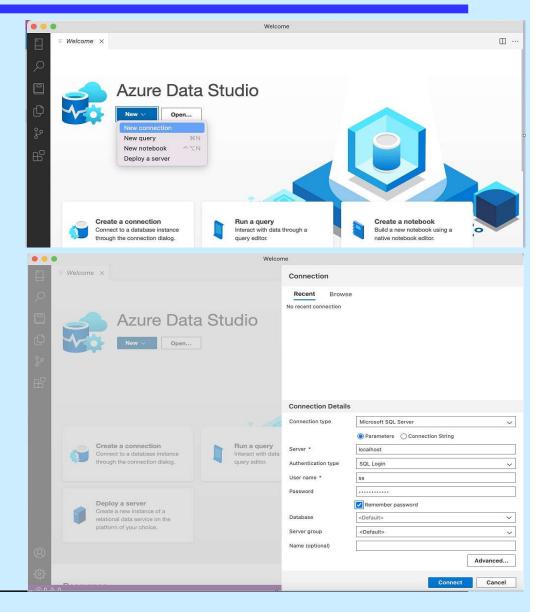
User name: sa

Password: Password-123

Database Name: <default>

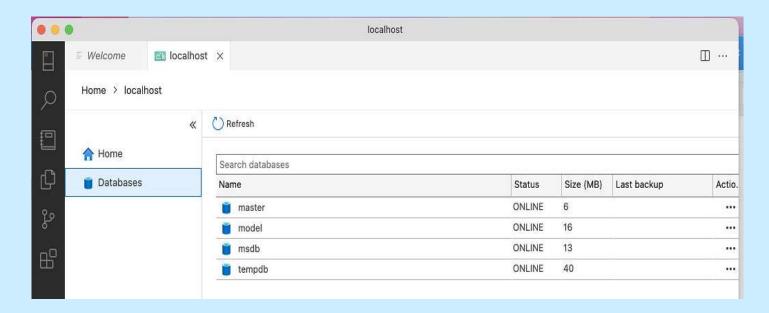
Server Group: <default>

You should be now connected to SQL Server with Azure Data Studio. Once logged in, the Server Dashboard is displayed:



Step 4 – Check if SQL Server Working

- You've now connected to SQL Server with Azure Data Studio. Once logged in, the Server Dashboard is displayed:
- Click on Databases, you should see master, model, msdb and tempdb databases



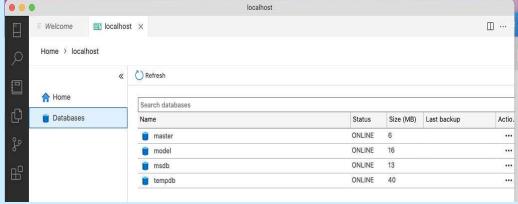
Step 5 - Create Database Run Setup Script Name Installation Guide - MS SQLServer 2019 Express - need change.pdf

Create the NP40Book database on local MS SQL server by loading and executing the database script file – NP40Book_Setup.sql.

Download the NP40Book_Setup.sql file to Mac.

On Azure Data Studio double click on master database.

Click on New Query.



Type

Application

Date modified

Microsoft SQL ... 11/10/2021 10:01 ...

11/10/2021 10:01 ...

16/9/2022 1:12 pm

11/10/2021 10:01 ...

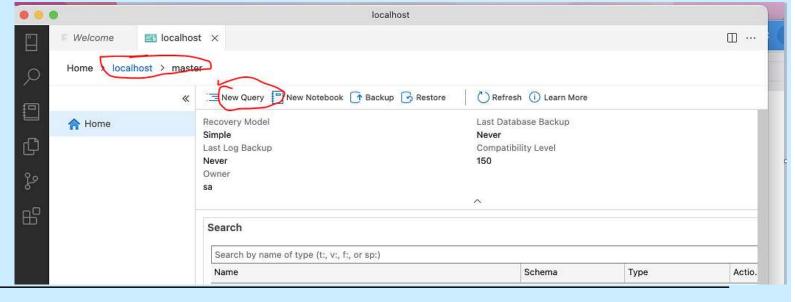
Size

959 KB

4,084 KB

6,227 KB

17 KB



MSSQL Server Installation (Mac).pptx

№ NP40Book Setup.sal

SQL2019-SSEI-Expr.exe

Step 5 - Create Database - Run Setup Script

- Copy the content of the NP40Book_Setup.sql file and paste it to the query.
- Click Run to execute the query to create the database.
- Check that under Databases a new database called NP40Book is created.

