CONNECTING TO THE MYSQL SERVER



DS 203

Overview

- In the earlier steps you have created the VM in the cloud and connected to it
- The VM has the following software tools installed on it:
 - MySQL database server, Jupyter Notebook, SPARK
- This deck outlines the procedures and tools to connect to the MySQL server, and start working with the databases and tables contained therein.

In case of difficulties ...

 Log your issues in the Moodle Forum Queries and Discussions and a member of the TA team will respond and guide you.

The MySQL Client

- You have to install a client program on your local computer and use it to make a connection to the MySQL server
- A number of free-to-use / open source clients are available
- **DBeaver** is one such client. It is available for Windows / Linux / Mac OS
- Download and install the software on your local computer as per the instructions at:
 - https://dbeaver.io/download/
- Once it is successfully installed start the program and follow the configuration instructions as outlined in the following slides.

Pre-requisites ...

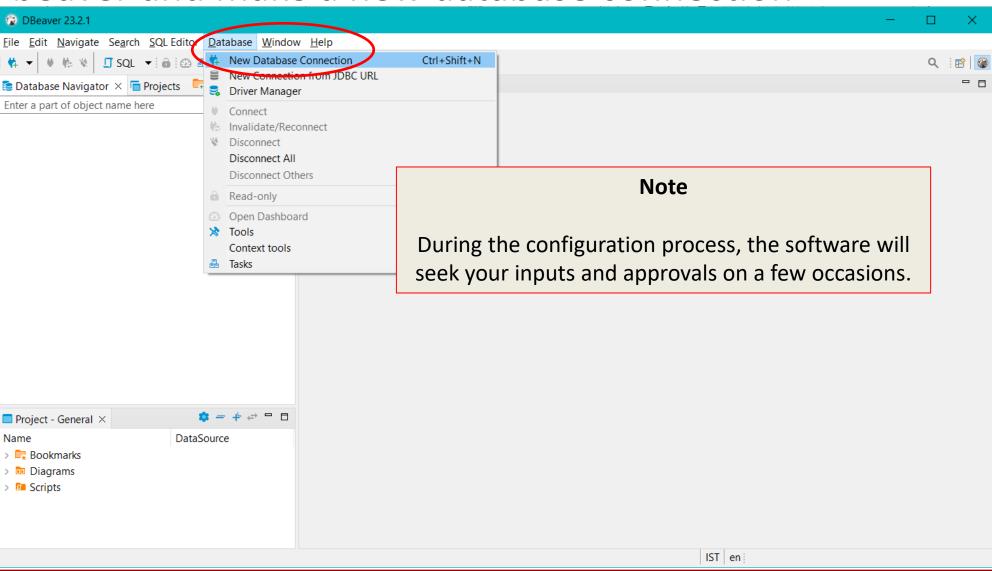
From here onwards this document assumes the following:

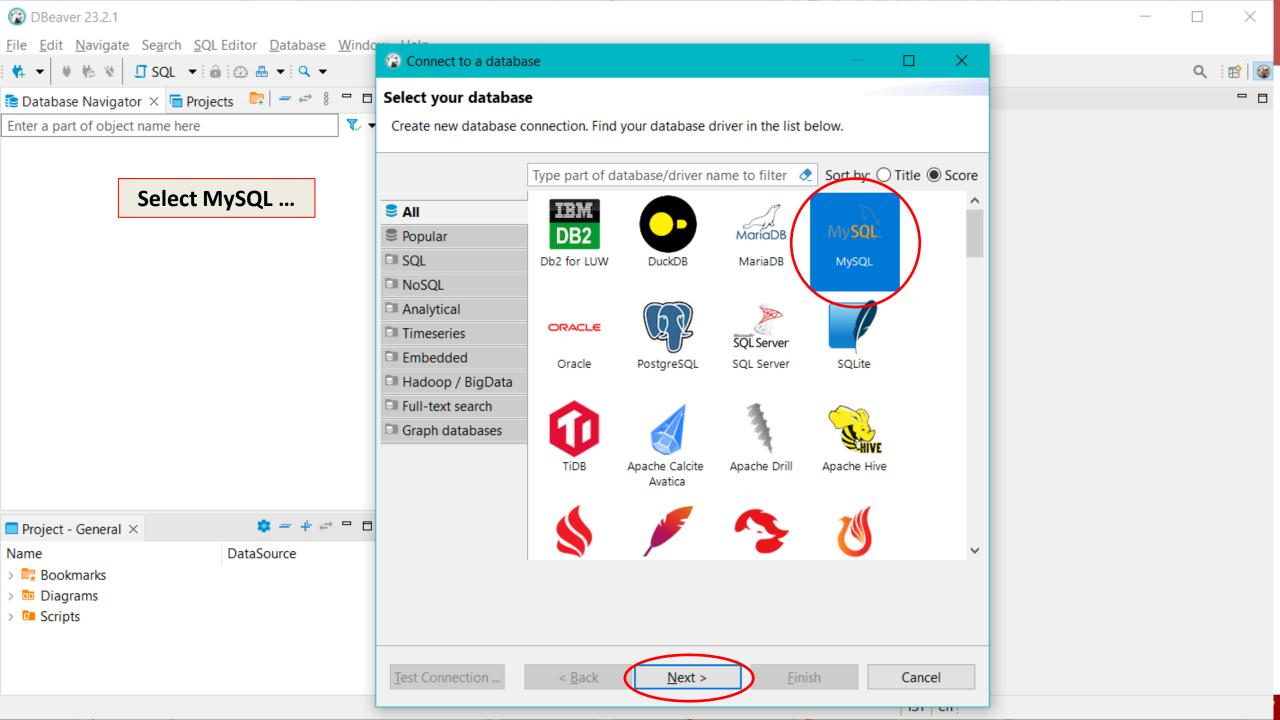
- That the VM is 'up and running'
- That you know the public IP of the VM
- That you have downloaded the file ds203-azure-vm-rsa from Moodle

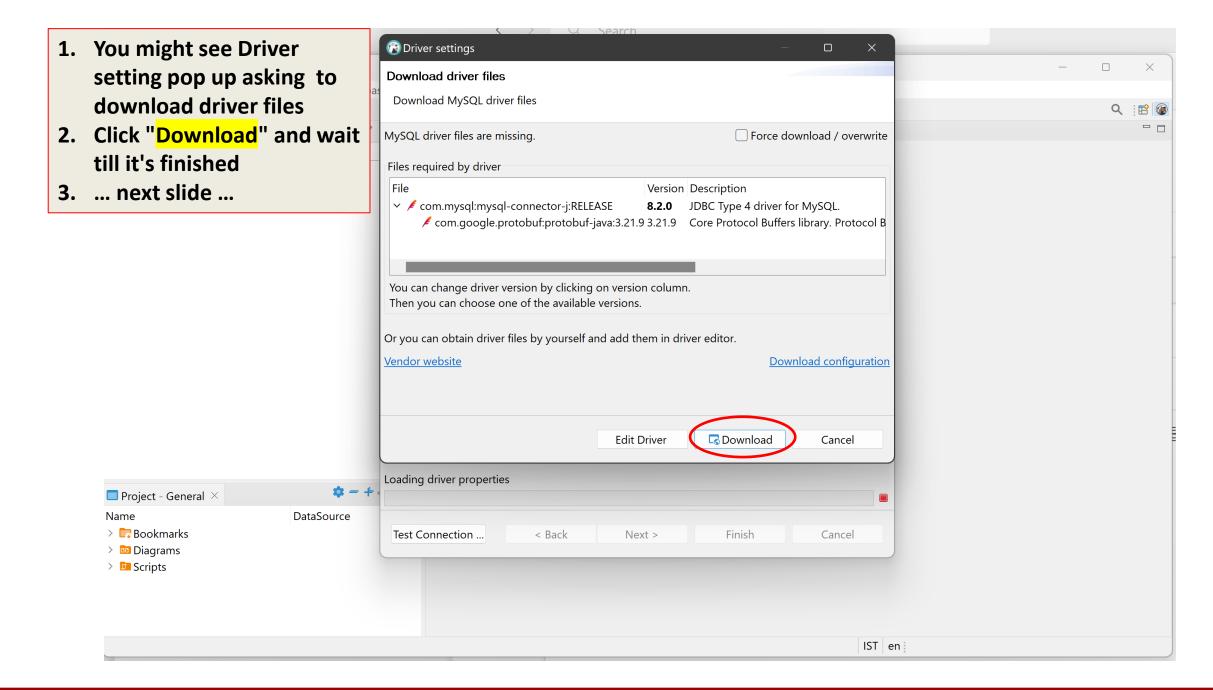
(Please refer to the document **03-Starting the VM** ... in case the VM is not running)

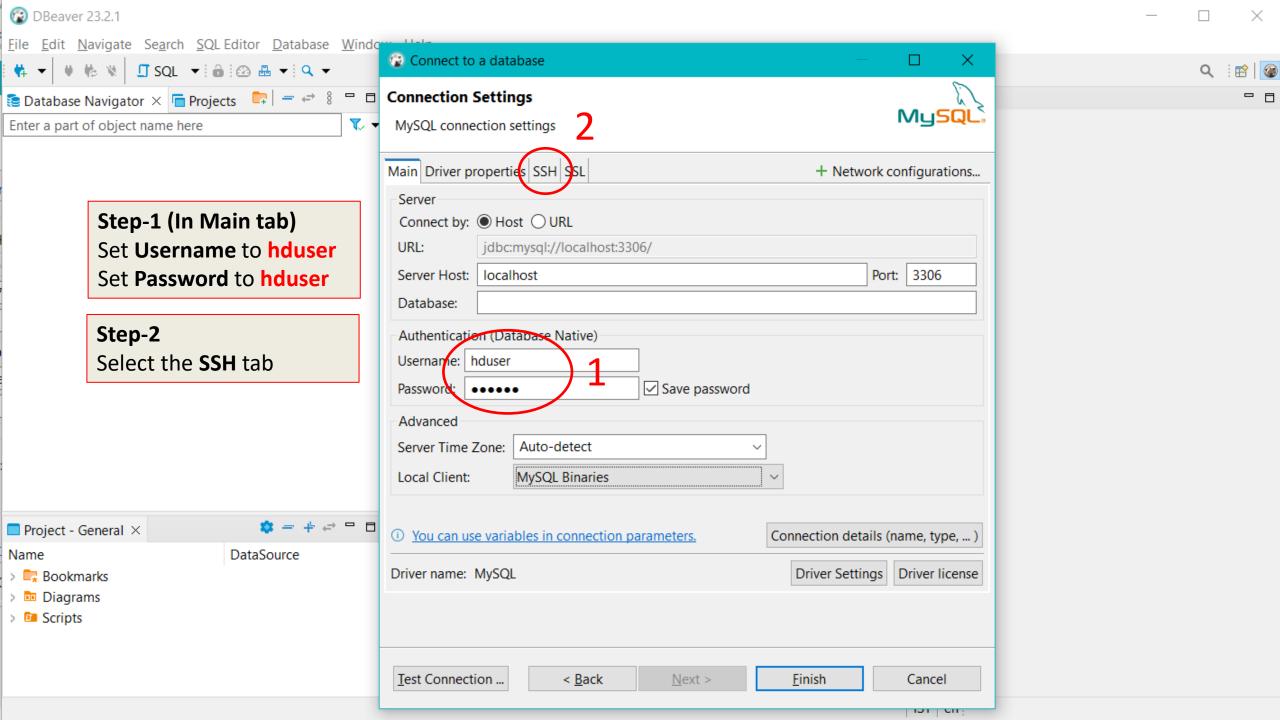
DBeaver Configuration

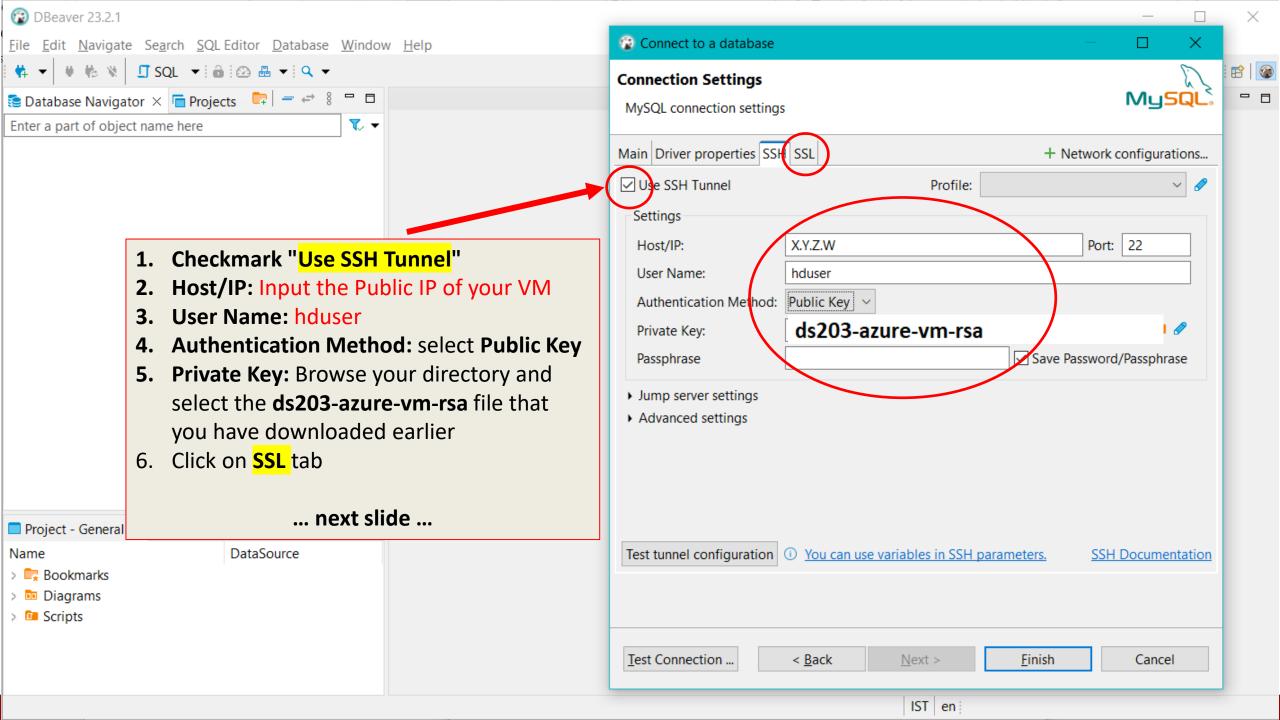
Start Dbeaver and make a new database connection







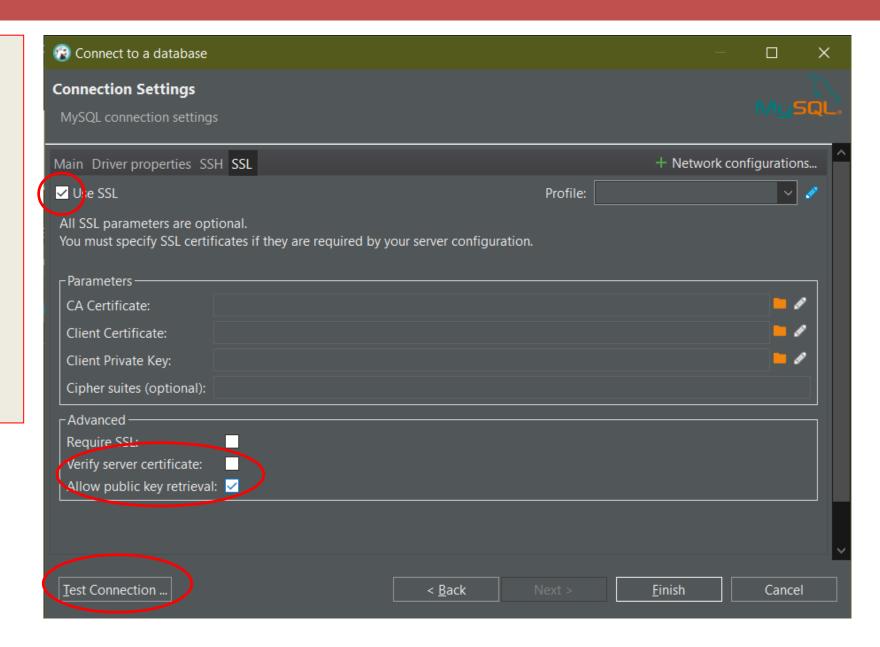


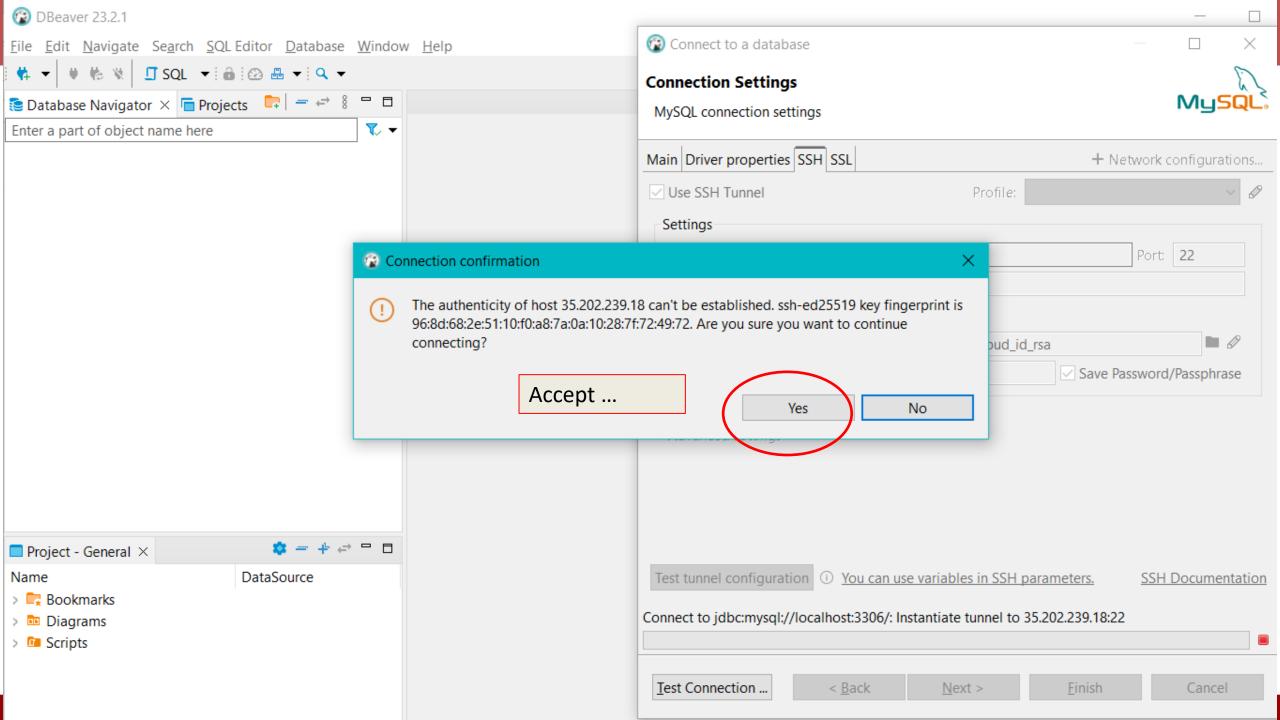


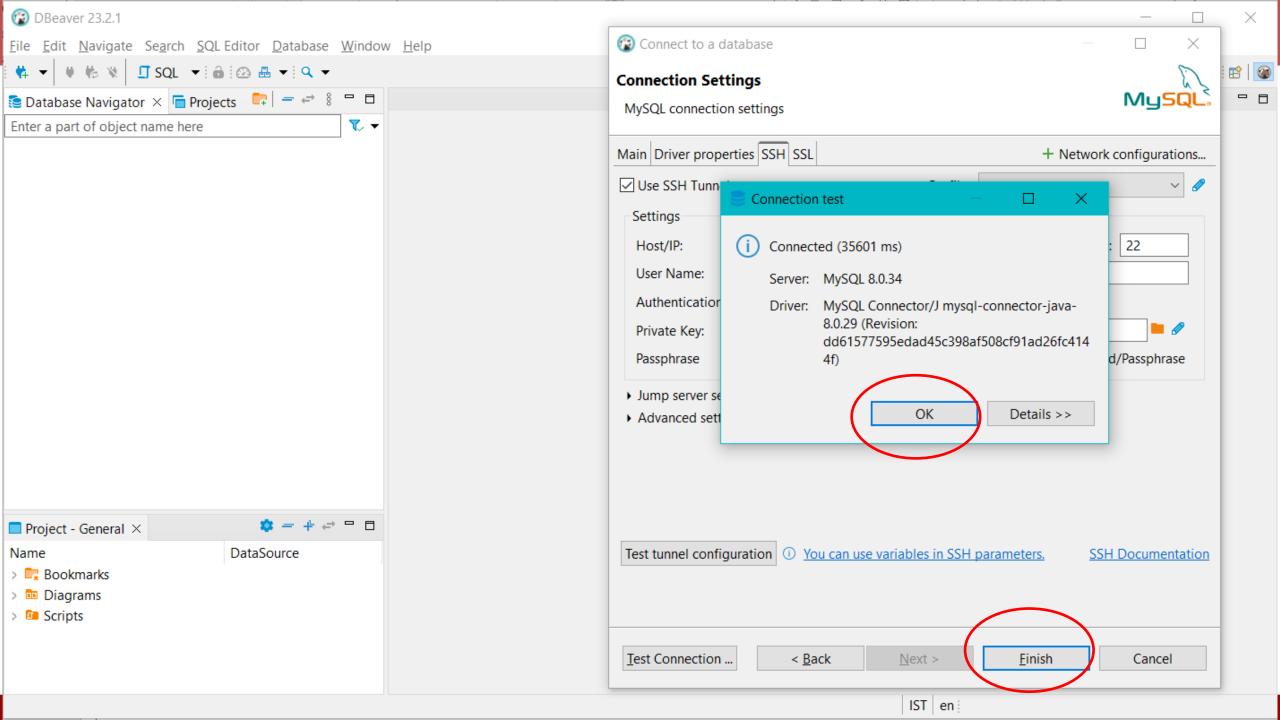
SSL tab

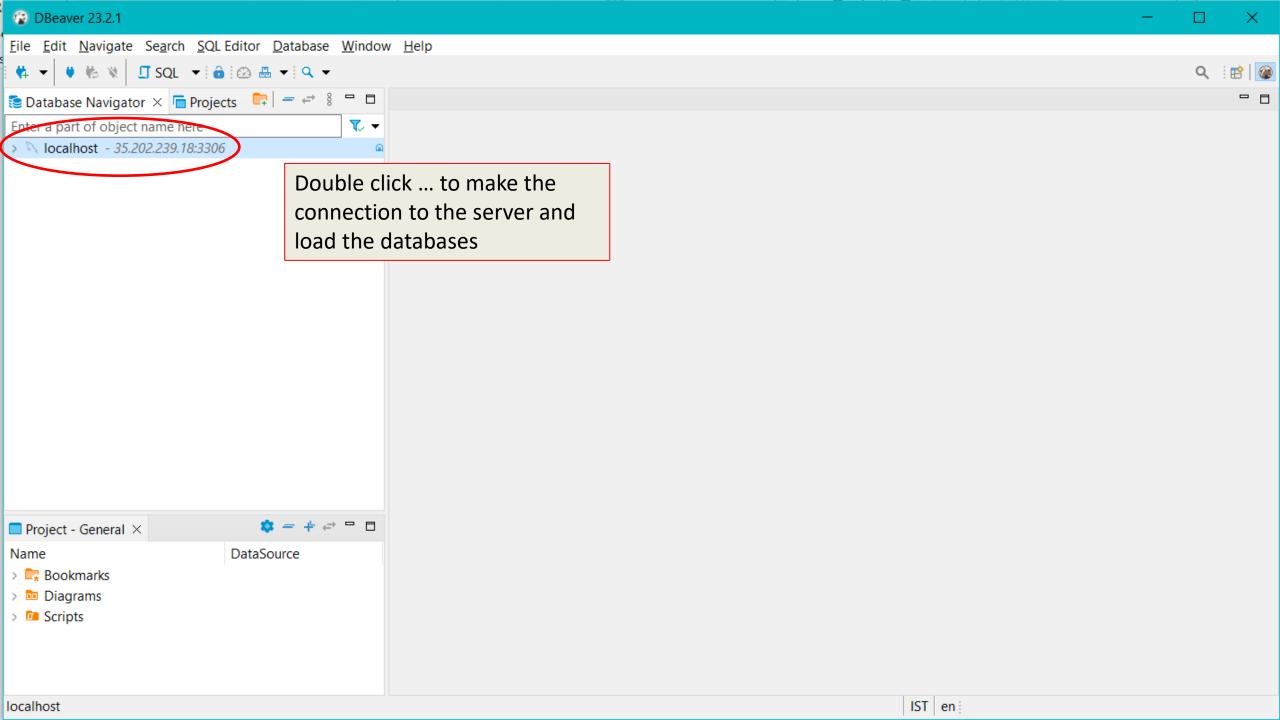
- 1. Click Use SSL
- In Advanced section,
- Uncheck "Verify server certificate" option
- 4. Checkmark "Allow public key retrieval" option
- 5. Click on "**Test Connection**" at bottom left corner
- 6. If there is a prompt to update drivers, then just download and let it run.

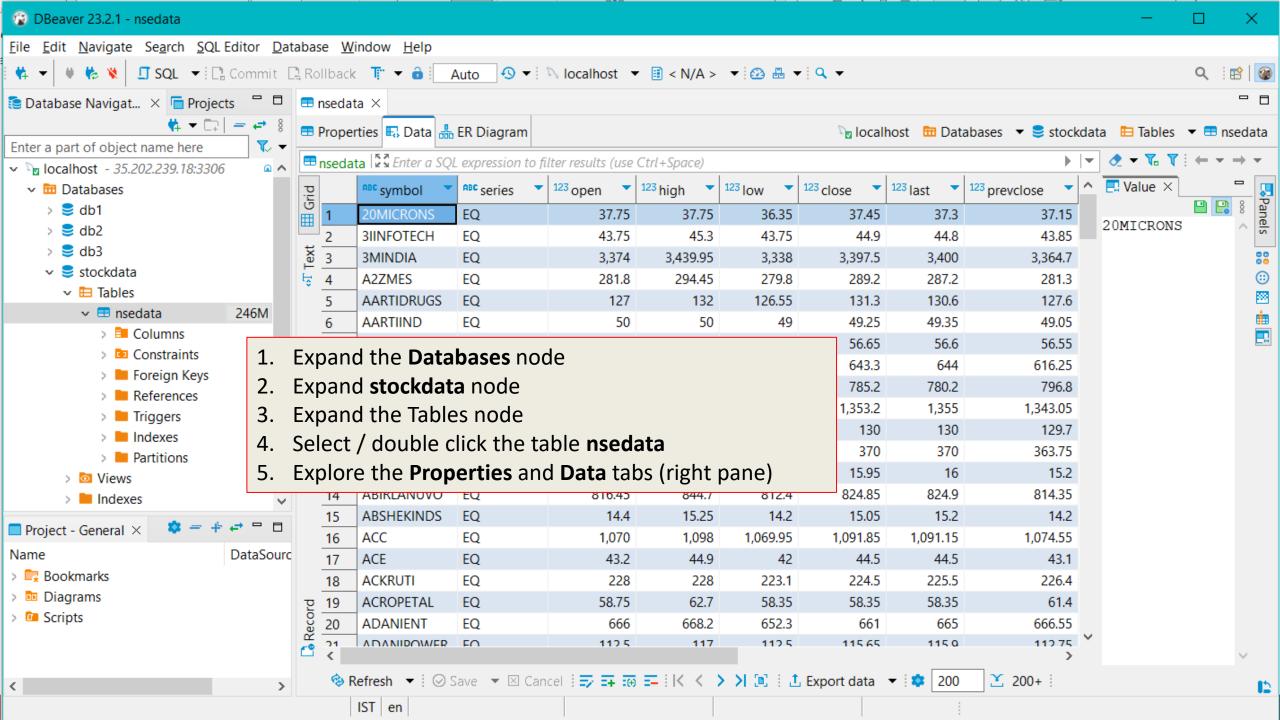
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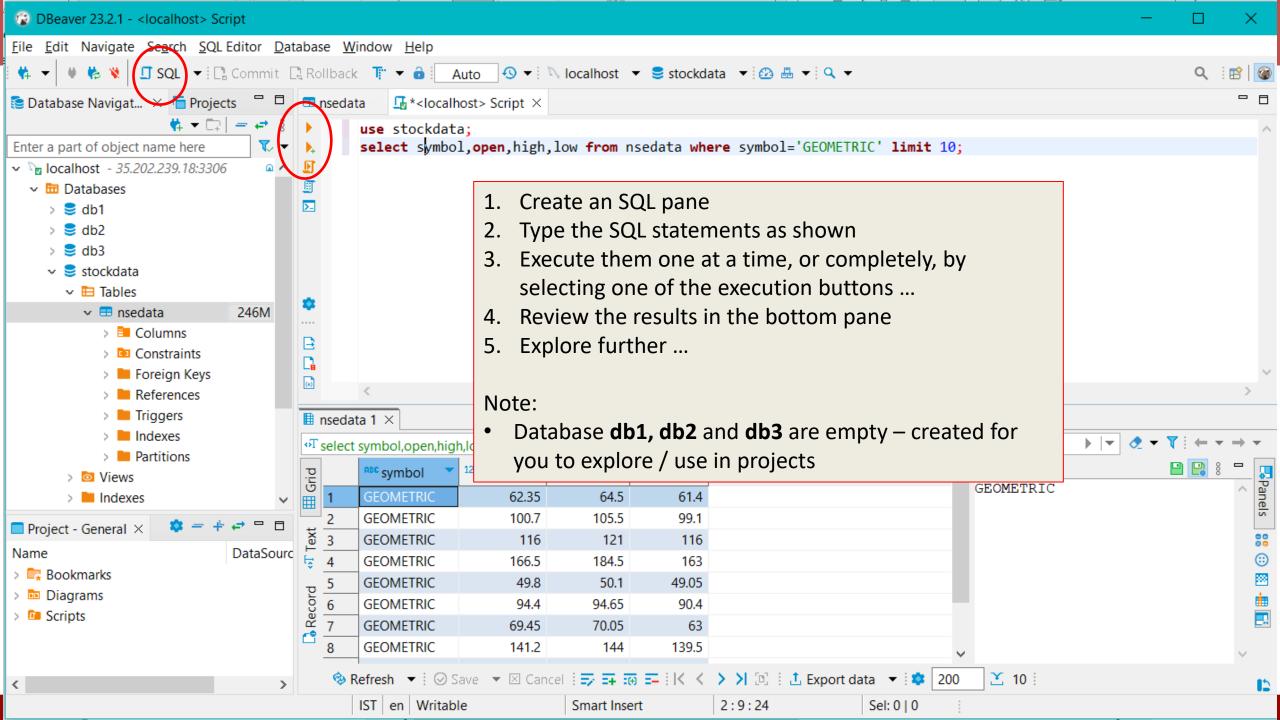






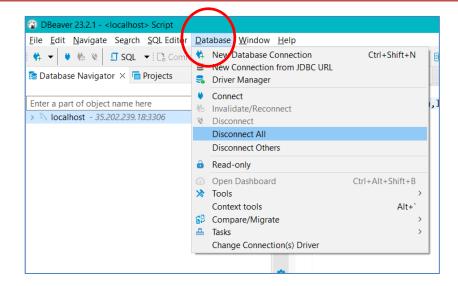


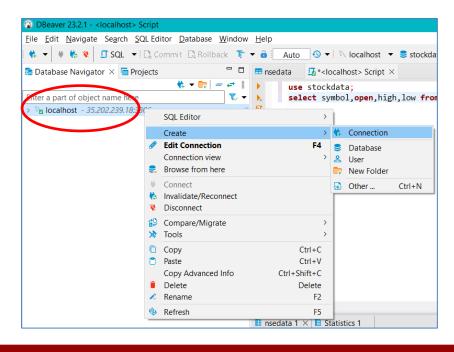




Disconnecting from the server ... and re-connecting

- Be sure to disconnect from the server once your work is done!
- This can be done by selecting one of the following:
 - Database / Disconnect
 - Database / Disconnect All
- Connection can be re-established by
- right-clicking the localhost entry
- Remember: Every time the VM re-STARTs, it's public IP might change. DBeaver connection properties have to be updated accordingly (by 'Edit'ing the connection.





Explore – and get ready for the assignments ©

... and do not forget to SHUT the VM when you do not need it remember that your billing metre is ON when the VM is running ...

IMPORTANT ** **IMPORTANT** ** **IMPORTANT**

Once you are through with your work on / with the VM, be sure to
STOP it to pause the Billing for this resource!

