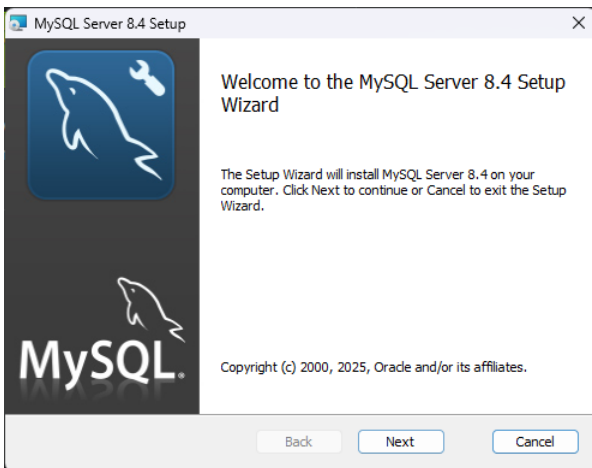
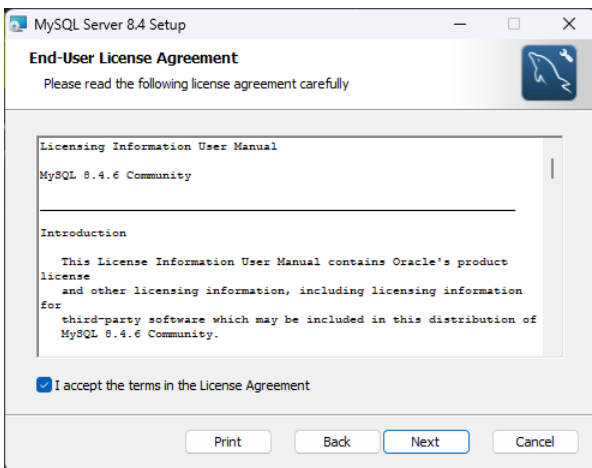


MySQL and Workbench Install (Windows)

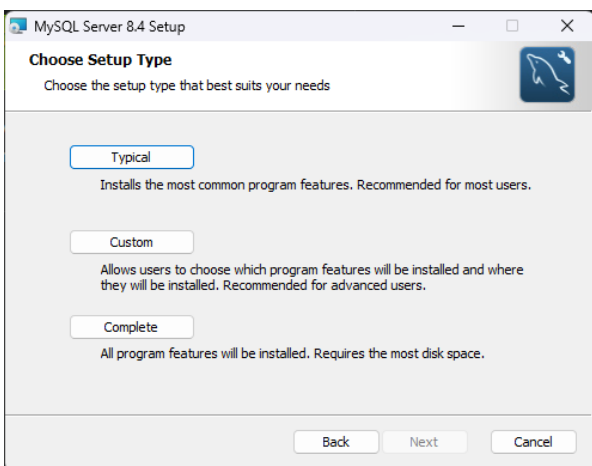
1. Download the MySQL 8.4.7 LTS (This is the most stable version)
2. Start the installer and click Next



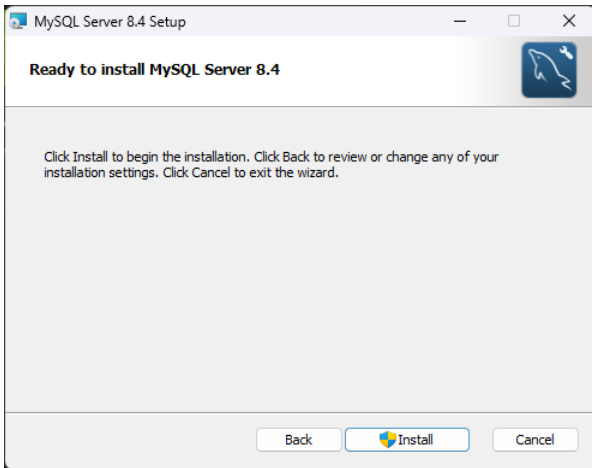
2. Accept the license agreement and click Next



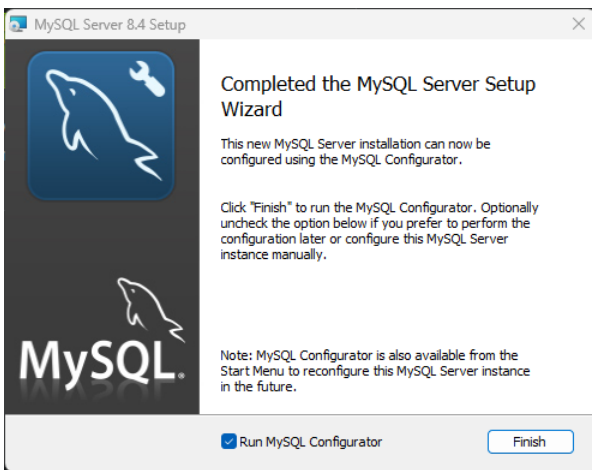
3. Select the typical setup



4. Click Install (you may have to give it user access rights in Windows)



5. Check Run MySQL Configurator (you may have to give it user access rights in Windows)



6. Walk through the configurator. I mostly use the defaults, however:

The standard, well-known port for MySQL is 3306, but you can use a different port.

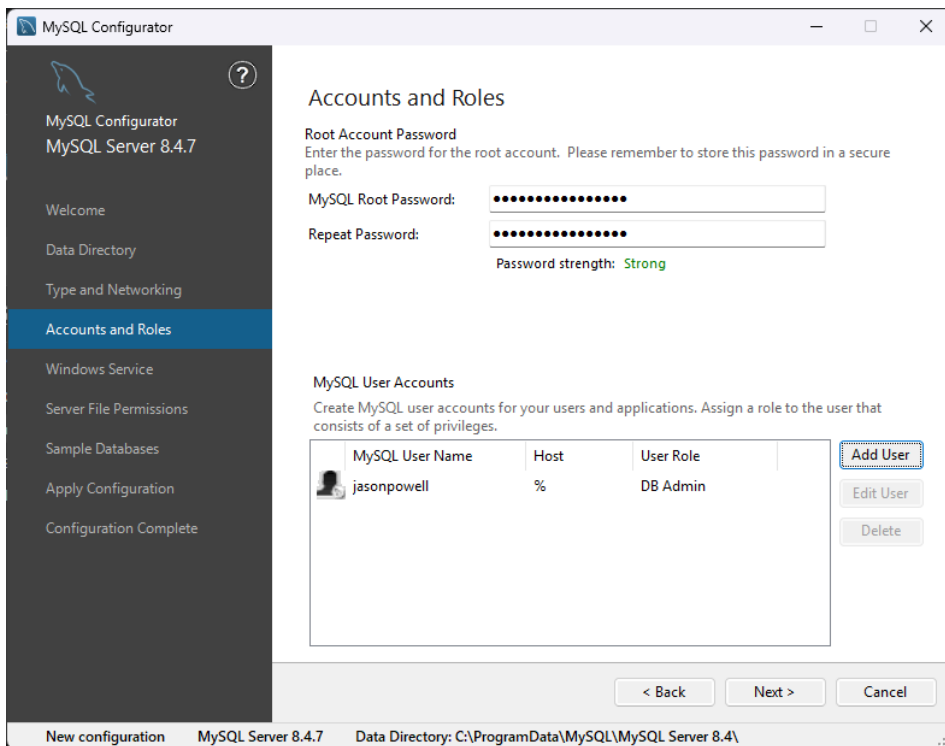
When setting up the accounts:

- Set the root password to something secure and memorable.
- I recommend adding a DB Admin user so you do not have to use the root account.
- I typically add additional accounts for various development purposes, but you can add more later.

If you are on Windows, set it up as a Windows Service. I typically uncheck the system startup option, but you must remember to start the service up before connecting to it. I use the Standard System Account.

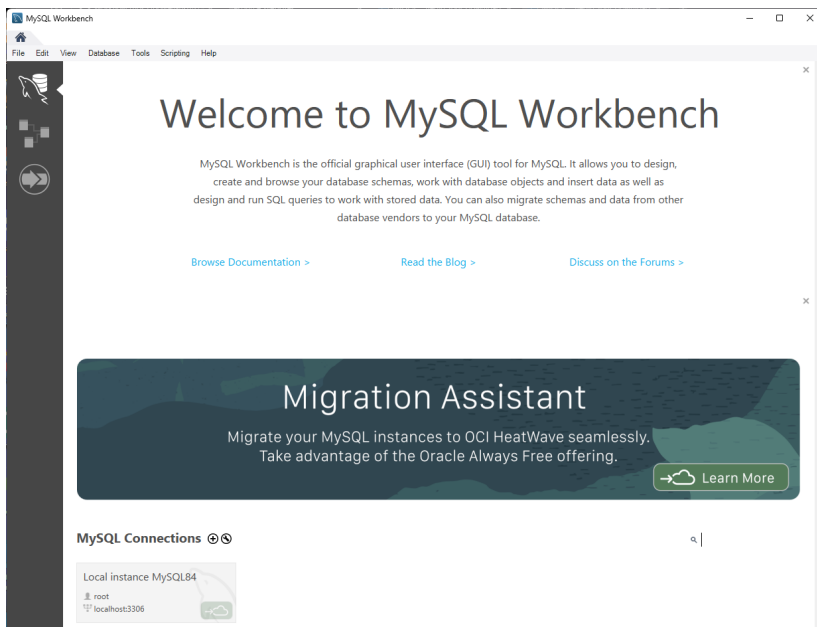
I selected the option to create the Sakila and World databases for experimenting.

When done, it should start up the service, but you may have to reboot.



7. Install MySQL Workbench. I used all the default options.

8. Run Workbench. It should recognize your root account.



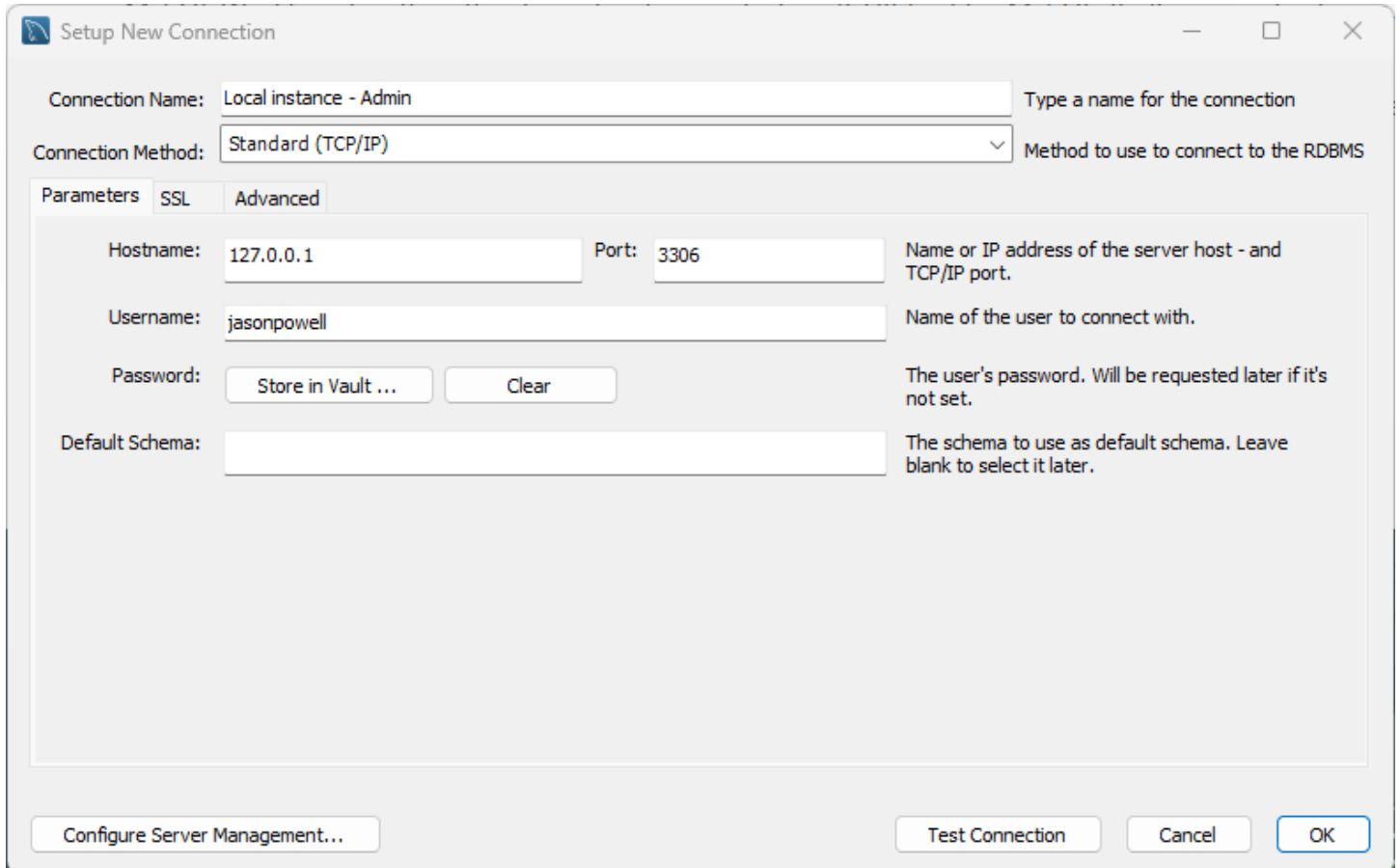
I recommend adding your DB Admin account.

1. Click the MySQL Connections above the Local Instance MySQL84
2. Give the connection a name
3. Set the name to your DB Admin account name
4. You can add the password to the vault if you want.
5. Click Test Connection to see if it works.

You may get an incompatibility issues warning. I am unsure whether it will affect anything we do, but if it does, we will adapt (another important CIS skill in demand in the industry).

After setting up the connection, try it. You may get the compatibility warning each time unless you check the “Don’t Show Message” option.

Please spend a few minutes navigating the menu and exploring its options.



The screenshot shows the 'Setup New Connection' dialog box. The 'Connection Name' is 'Local instance - Admin'. The 'Connection Method' is 'Standard (TCP/IP)'. The 'Parameters' tab is selected, showing 'Hostname' as '127.0.0.1', 'Port' as '3306', 'Username' as 'jasonpowell', and 'Password' as 'Store in Vault ...'. The 'Default Schema' is blank. The 'Test Connection' button is highlighted.

Setup New Connection

Connection Name: Local instance - Admin Type a name for the connection

Connection Method: Standard (TCP/IP) Method to use to connect to the RDBMS

Parameters SSL Advanced

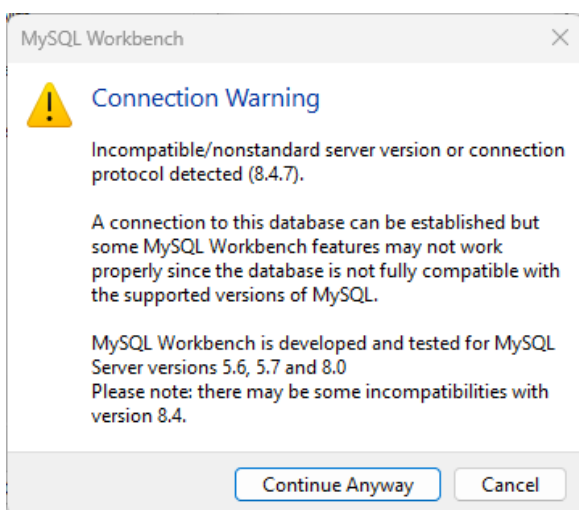
Hostname: 127.0.0.1 Port: 3306 Name or IP address of the server host - and TCP/IP port.

Username: jasonpowell Name of the user to connect with.

Password: Store in Vault ... Clear The user's password. Will be requested later if it's not set.

Default Schema: The schema to use as default schema. Leave blank to select it later.

Configure Server Management... Test Connection Cancel OK



The screenshot shows the 'Connection Warning' dialog box. It contains a warning icon and text stating that the connection is incompatible/nonstandard and that some MySQL Workbench features may not work properly. It also mentions that MySQL Workbench is developed and tested for MySQL Server versions 5.6, 5.7, and 8.0, and that there may be some incompatibilities with version 8.4. The 'Continue Anyway' button is highlighted.

MySQL Workbench

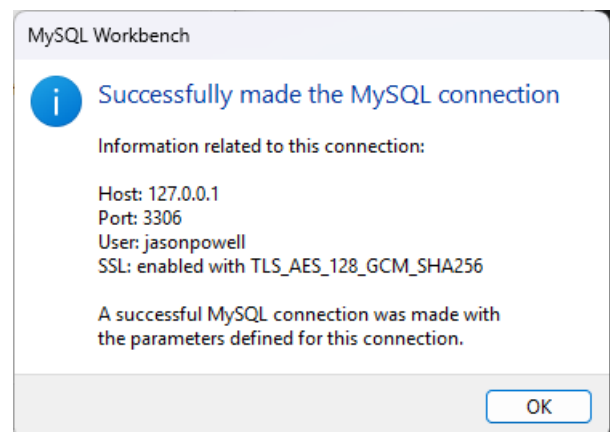
Connection Warning

Incompatible/nonstandard server version or connection protocol detected (8.4.7).

A connection to this database can be established but some MySQL Workbench features may not work properly since the database is not fully compatible with the supported versions of MySQL.

MySQL Workbench is developed and tested for MySQL Server versions 5.6, 5.7 and 8.0
Please note: there may be some incompatibilities with version 8.4.

Continue Anyway Cancel



The screenshot shows the 'Successfully made the MySQL connection' dialog box. It contains an information icon and text stating that the connection was successful. It also lists the connection parameters: Host: 127.0.0.1, Port: 3306, User: jasonpowell, and SSL: enabled with TLS_AES_128_GCM_SHA256. The 'OK' button is highlighted.

MySQL Workbench

Successfully made the MySQL connection

Information related to this connection:

Host: 127.0.0.1
Port: 3306
User: jasonpowell
SSL: enabled with TLS_AES_128_GCM_SHA256

A successful MySQL connection was made with the parameters defined for this connection.

OK