

NOTES ON SETTING UP MYSQL – CS 5200/3200: DATABASES

MYSQL SERVER: APPLE MAC OSX

1. Go to <https://dev.mysql.com/downloads/>
2. Click MySQL Community Server
3. Select Operating System = Mac OS X
4. Download Mac OS X 10.13 (x86, 64-bit), DMG Archive
5. Pick “No thanks, just start my download”
6. Open the DMG and double click on the .pkg object (installer)
7. Click continue
8. Click continue again and agree to license.
9. Click install, enter password when asked
10. Use Legacy Password Encryption (There are some compatibility issues using Strong Encryption)
11. Enter a root password and click Finish
12. Enter laptop admin password to allow installation
13. Click close. You can move the dmg to trash if it asks.
14. Open a terminal window. cd to /usr/local – verify you see listings for mysql.
e.g. mysql -> mysql-8.0.11-macos10.13-x86_64
15. Go to mysql bin directory: \$ cd mysql/bin
16. Start mysql shell: \$./mysql -u root -p
(Enter the root password given in step 11.)
This starts up the text client. You should get a mysql> prompt.

```
[508 13:46:08 rachlin:/usr/local/mysql/bin ] ./mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.11 MySQL Community Server - GPL
```

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> █
```

MYSQL WORKBENCH: MAC OSX

17. Go back to <https://dev.mysql.com/downloads/>
18. Click on MySQL Workbench
19. Select Operating System = Mac OSX
20. Click Download button, again say "No thanks, just start my download"
21. When download finishes, open the DMG
22. Drag workbench to applications
23. In applications folder, double click on MySQL Workbench to start
24. One time: click open to bypass warning about application downloaded from internet
25. Click on Startup / Shutdown on left panel
26. Enter laptop user admin password
27. When popup for user root displays, enter your new root password
28. Verify that it shows the server as "running"

Adding mysql executables to your path (Mac / OSX) - OPTIONAL

1. If you don't already have one, create a .bash_profile in your home directory\
2. Put this in the .bash_profile

```
if [ -f $HOME/.bashrc ]; then
    source $HOME/.bashrc
fi
```

3. Save .bash_profile
4. Edit .bashrc
5. Create an export variable for MYSQL_HOME:

```
export MYSQL_HOME=/usr/local/mysql
```

6. Add to path

```
export PATH=.:$MYSQL_HOME/bin:$PATH
```

WINDOWS 10: MySQL 8.0.11

1. <https://dev.mysql.com/downloads/>
2. Select Mysql on Windows (Installer and Tools)
3. Select Mysql Installer
4. Scroll to the bottom where it gives you two download options. Click the first download (smaller file) – we'll only download what we need as we install
5. Click "No Thanks, just start my download"
6. When it's done downloading, open the installer
7. If it asks if you want to upgrade the installer, go ahead and do that
8. On pop up, check that you accept agreement and it Next
9. Select Custom – we'll only install what we need – you can install other stuff later
10. You open the various branches and pick the items you want by highlighting the item and then clicking on the right arrow to make the item appear in the right panel (To be installed). The items you should include are:

REQUIRED: Mysql Servers ...MySQL Server 8.0.13 – X64 (or 32 bit OS if necessary)

REQUIRED: Applications ... MySQL Workbench 8.0.13

OPTIONAL: Documentation ...MySQL Documentation 8.0

OPTIONAL: MySQL Connectors .. Connector/J 8.0 (Java developers)

OPTIONAL: MySQL Connectors .. Connector/Python (Python developers)

11. Click next, then **execute**. Downloading begins.
12. After everything completes, hit **next**.
13. Hit **Next** again to configure server
14. Choose default (Standalone MySQL Server) and hit Next
15. Accept defaults (Development Computer) and hit Next
16. Select "Use Legacy Authentication Method"
17. Enter root password
18. For Windows Service, check "Start the MySQL Server at System Startup" and hit next
19. Plugins and Extensions – leave blank and hit next
20. Apply Configuration: Hit Execute
21. Click Finish, Then Next, Then Finish