

# Using MySQL

## Server information

Domain Name: cecs-db01.coe.csulb.edu

MySQL port: 3306

## To Install MySQL on your machine

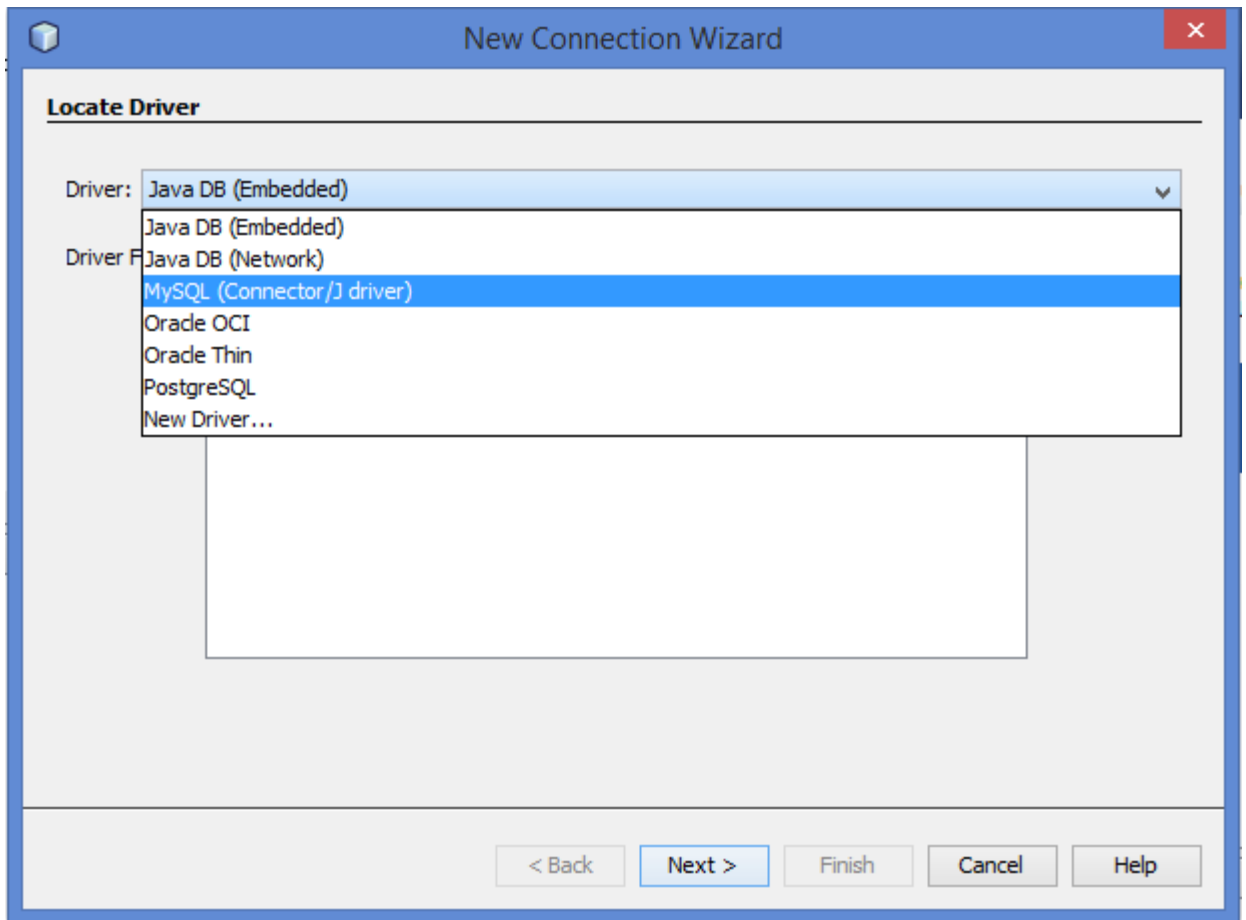
Go to: <https://dev.mysql.com/downloads/mysql/> to install MySQL on your machine. It's your option whether you want to install a local MySQL instance on your machine since you'll be doing your work on the school's server.

If you are logged in at school when you try this URL, it will probably redirect you to an authentication page where it will prompt you for your CSULB password. Either visit this site from home when you are not coming in through the CSULB VPN, or Mozilla seems to get there fine. I'm sure it's some set of settings on the browser.

## To Access MySQL from NetBeans

It turns out that you can use NetBeans to access your MySQL database just as well as you can access it through the MySQL workbench. So, if you're familiar with, and comfortable with the NetBeans interface, there's no reason to change it. All that you have to do is:

1. Open NetBeans
2. Open the Services tab (upper left corner)
3. Right click "Databases"
4. Select New Connection
5. Under the Driver, select MySQL (Connector/J driver)



6. Then hit next to get to:

**New Connection Wizard**

**Customize Connection**

Driver Name: MySQL (Connector/J driver)

Host: cecs-db01.coe.csulb.edu Port: 3306

Database:

User Name: brown

Password: .....  
☐ Remember password

Connection Properties Test Connection

JDBC URL: jdbc:mysql://cecs-db01.coe.csulb.edu:3306?zeroDateTimeBehavior=convertToNull

< Back Next > Finish Cancel Help

7. Fill out:
  - a. cecs-db01.coe.csulb.edu as the Host.
  - b. Let the port default to 3306
  - c. Clear out the Database field
  - d. Put your username in under User Name.
  - e. Enter your password, and use the Test Connection button.
    - i. If you are on campus and hooked up to BeachNet+, that should connect you fine.
    - ii. If you are working from home, see instructions below on how to get Virtual Private Network (VPN) installed to your machine so that you can connect into the campus WAN.
8. Hit next until you get to a prompt for the connection name. Enter whatever will remind you of what this connection is for, and hit finish.
9. You've now configured NetBeans to hook to the campus MySQL instance whenever you want.

## To Use MySQL From the School Labs

To use MySQL from the labs, you can use the application installed there. You get it this way:

Start Menu ==> Programs ==> MySQL ==> MySQL Workbench -- From the Windows Labs

When the application starts, it prompts for information about the server and user. For the default schema, enter your username.

## To Reach the Server From Home

- You can only connect to this server when you have an Internet connection provided by CSULB or via a VPN. To connect from outside the CSULB network (e.g., from home, or a coffee shop), you and students will need to use a VPN. All you should need to do is:
- Visit <https://vpn.csulb.edu> where you will be instructed to download and install the VPN software. You should only need to download it once. Then you'd run the software to start a VPN connection to CSULB... just in case, you or students may find these guides (provided by CSULB) useful:
  - For Windows 7: [Installing Web VPN 3.1 for Windows 7](#)
  - For Windows 8.1: [VPN and Windows 8.1](#)
  - For Mac, use: [Installing Web VPN 3.1 for Mac OSX 10.8 \(Mountain Lion\)](#)
  - You can download and install MySQL Workbench at home.
  - You will need to create a new connection using TCP/IP.
- Note that this VPN site is only available when you are **not** connected to BeachNet+.

## To grant access to your tables to someone else:

```
GRANT SELECT ON TABLE test TO username@'134.139.%';
```

Where *username* is the name that you are granting access to.

If access to your tables doesn't work after entering the previous grant, then also enter this one:

```
GRANT SELECT ON TABLE test TO username@'localhost';
```

The user receiving the permissions must log off of mySQL then log back on

To access another team member's database, prefix the table name with the project or "master" database name.

For example, if an account named "someone\_elses" have control of the project data, the rest of the team would insert, update, query, etc. the FLIGHTS table like this:

```
SELECT * FROM someone_elses.flights;  
SELECT someone_elses.flights.arrivalairport from someone_elses.flights;
```

## Some pointers about MySQL

- Once you login to the campus MySQL database, you will have access to two schemas. The first will be one with your username as the name, do all of your work there. The other will be one that Dr. Alvero Monge has provided called toybank. You are welcome to browse around in that database and do practice queries on it. He has some documentation about that database and its contents here: [https://mail.csulb.edu/owa/redir.aspx?C=Zlzcc2z6Q06Ky8y5nz-oY2Minxrm3tll4AanOcbpSQwBk6EakV0S1oIGZE3v4G4jm2\\_oFZC7ReE.&URL=http%3a%2f%2fweb.csulb.edu%2f%7eamonge%2fclasses%2fcommon%2fdb%2ftoybank-description.html](https://mail.csulb.edu/owa/redir.aspx?C=Zlzcc2z6Q06Ky8y5nz-oY2Minxrm3tll4AanOcbpSQwBk6EakV0S1oIGZE3v4G4jm2_oFZC7ReE.&URL=http%3a%2f%2fweb.csulb.edu%2f%7eamonge%2fclasses%2fcommon%2fdb%2ftoybank-description.html).

- For some reason, I've found that if I open up a command window in MySQL Workbench, issue commands to create tables in my schema, they don't show up over in the navigator (to the left) until I logout and log back in again. There must be a way to get MySQL to refresh the contents of the navigator, we'll figure that out soon I'm sure.
  - The easiest thing to do for quick table creates is to create them through the navigator. Much as you did when you used the Derby database, simply right click the object type (most often tables for now) and select the create menu option and it will prompt you through.

**Latest Update: 10/28/2015 11:46 PM**  
**[david.brown@csulb.org](mailto:david.brown@csulb.org)**