

Instructions for Connecting to Simmons' Databases Using MySQL Workbench: Updated 2022

Note: As of mid-January 2022, connecting to Simmons' servers requires two-factor authentication, which adds a few extra steps.

Instructions for Mac/Linux

1. Open the Terminal (on Macs, this can be found under Applications > Utilities > Terminal)
2. Type in the following command in the Terminal window:
ssh -L 3306:canary.simmons.edu:3306 yourusername@web.simmons.edu (replace yourusername with your actual Simmons username, **DO NOT COPY AND PASTE THIS COMMAND**)
3. At the next prompt, type in your Simmons password. (Note: The characters of your password will not show up in the terminal window).
4. Select an option for Duo authentication (1 for Push) and authenticate via Duo. (If this is successful, you should see a prompt that looks something like **[yourusername@cleo ~]** \$ like in the screenshot below.

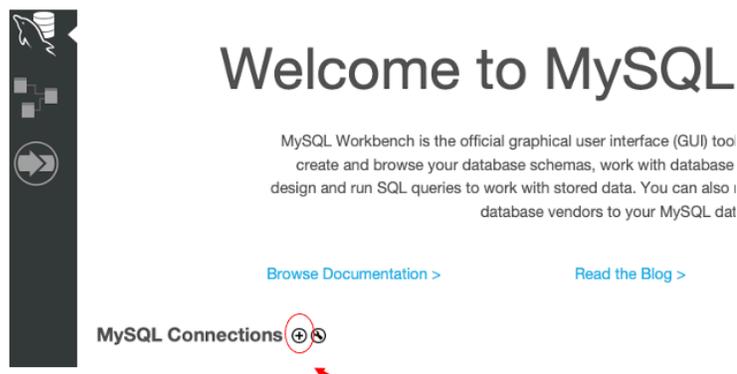
```
MacBook-Pro:~ danielle$ ssh -L 3306:canary.simmons.edu:3306 pollockd@web.simmons.edu
Password:
Duo two-factor login for pollockd

Enter a passcode or select one of the following options:

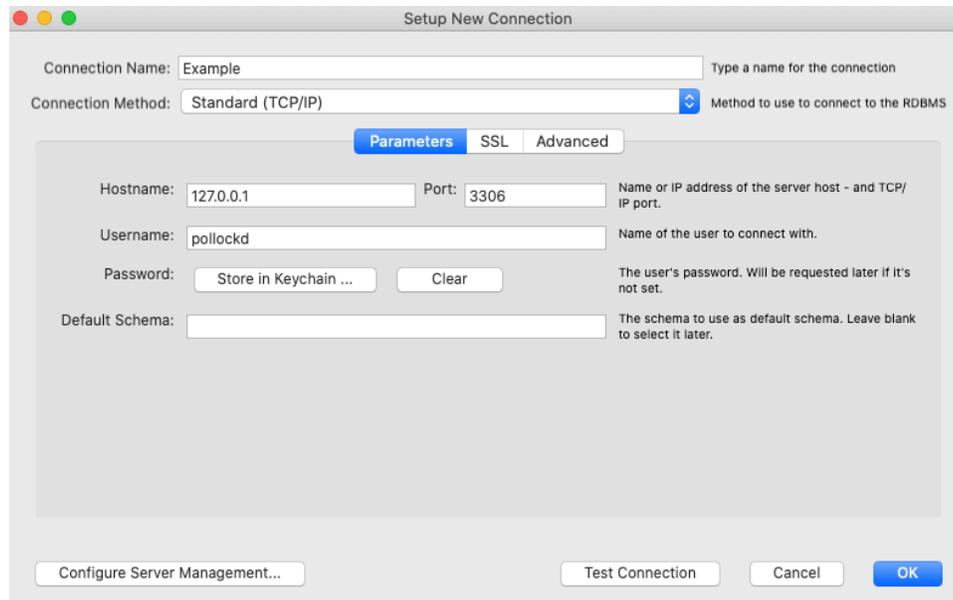
1. Duo Push to XXX-XXX-1110
2. Phone call to XXX-XXX-1110
3. SMS passcodes to XXX-XXX-1110

Passcode or option (1-3): 1
Success. Logging you in...
Last login: Mon Jan 17 18:21:00 2022 from dhcp-27-63.vdiga.simmons.edu
[pollockd@cleo ~]$
```

5. Keep the connection open and don't close the Terminal, but you will not need to do anything else in this window.
6. Open **MySQL Workbench**.
7. Under **MySQL Connections** on the Welcome screen, click the + icon to add a new connection.



8. Type a name for your connection in the Connection Name field. (This can be whatever name you want.)
9. Insert the following values into each Parameters field:
 - **Hostname:** 127.0.0.1
 - **Port:** 3306
 - **Username:** Your Simmons username
 - **Password:** The seven-digit number on the front of your Simmons ID. (On Mac, click Store in Keychain, on Windows, Store in Vault.)
 - **Default Schema:** Leave blank

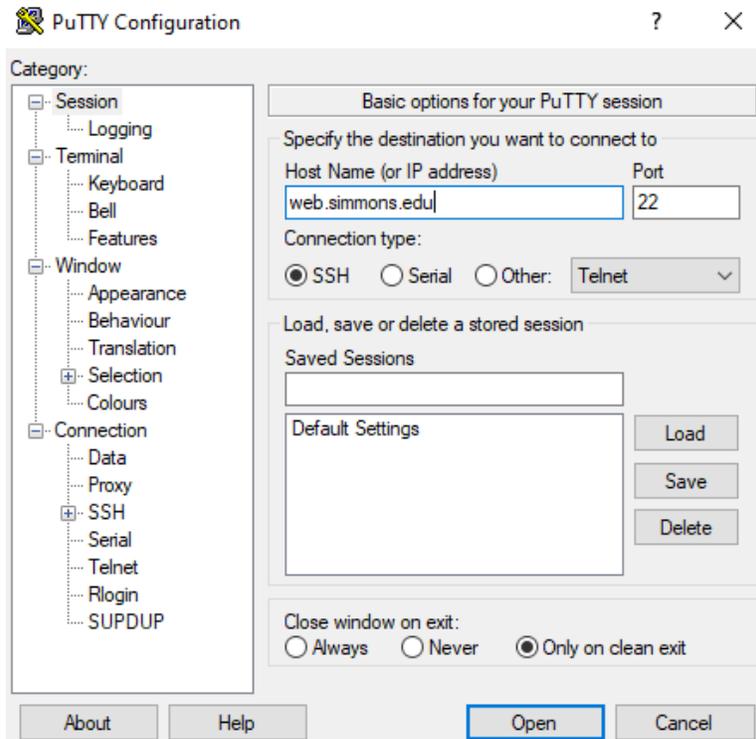


10. Click **Test Connection**.
11. If the test comes back as failed, double check what you've entered into the form.
12. If the test comes back as successful, click **OK**.
13. You will be taken back to the main screen and the new MySQL Connection will be in your list. Click on it to get started using MySQL Workbench.

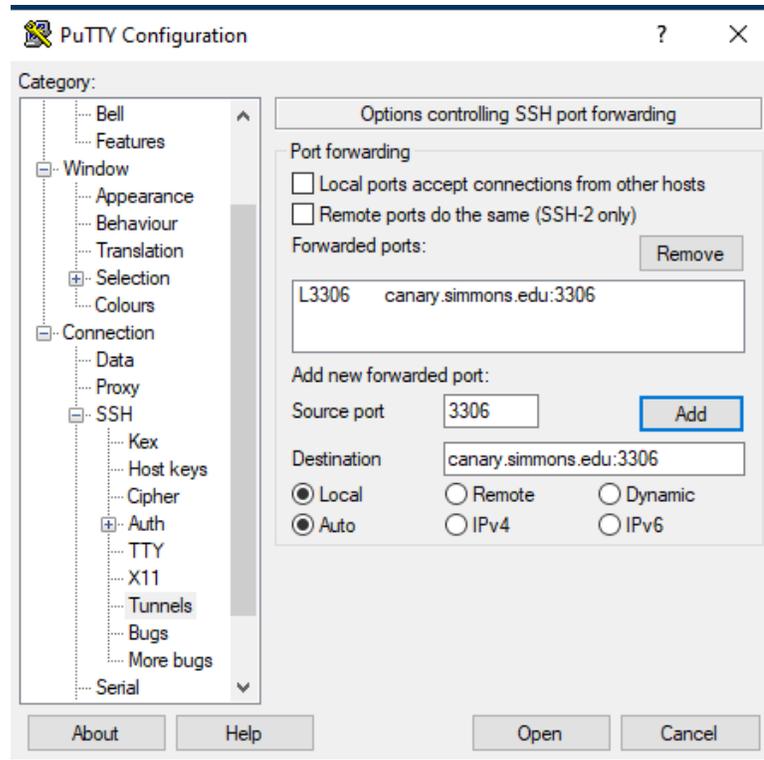
Instructions for Windows

If you are on a Windows machine, the process for connecting will be slightly different.

1. Open PuTTY. (If you don't have this on your computer, you can download it from <https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>)
2. In the PuTTY Configuration window, insert the following values:
 - **Host name:** web.simmons.edu
 - **Port:** 22
 - **Connection type:** SSH
 - Leave everything else blank/unchanged



3. On the left side of the Configuration window, scroll down to **Connection** > **SSH** and click the + icon to expand the SSH menu.
4. Select **Tunnels**
5. When the **Tunnels** dialog box opens, insert the following values:
 - **Source port:** 3306
 - **Destination:** canary.simmons.edu:3306
 - Keep radio buttons for Local and Auto checked and leave everything else blank/unchanged



6. Click **Add** (the button next to the Source port field)
7. Click **Open**
8. In the window that opens, use the following values:
 - **Login as:** Your Simmons username
 - **Password:** Your Simmons password
 - Select an option for Duo authentication (1 for Push) and authenticate via Duo
9. Keep PuTTY open and do not close the connection, but you will not need to do anything else in this window
10. Follow steps 6 - 13 under the instructions for Mac/Linux