## 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)
- 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.



- 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

| • • •                                  | Setup New Conr               | ection   |
|--|------------------------------|--|
| Connection Name:<br>Connection Method: | Example<br>Standard (TCP/IP) | Type a name for the connection  Method to use to connect to the RDBMS                                |
| Hostname:                              | Parameters SSL               | Advanced Name or IP address of the server host - and TCP/  |
| Username:                              | pollockd                     | IP port.<br>Name of the user to connect with.<br>The user's password will be requested later if it's |
| Default Schema:                        | Store in Keychain Clear      | The schema to use as default schema. Leave blank to select it later.                                 |
|  |                              |  |
|  |                              |  |
| Configure Server                       | Management                   | Test Connection Cancel OK  |
|  |                              |  |

- 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 <a href="https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html">https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html</a>)
- 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

| 🕵 PuTTY Configuration  |   |         | ?                  | × |  |  |
|--|---|---------|--------------------|---|--|--|
| Category:  |   |         |                    |   |  |  |
|  | Basic options for your PuTTY session  |         |                    |   |  |  |
| Terminal   | Specify the destination you want to<br>Host Name (or IP address)<br>web.simmons.edu                   | connect | t to<br>Port<br>22 | _ |  |  |
| Features   | Connection type:  | Telnet  |                    | ~ |  |  |
| Appearance     Behaviour     Translation     Golours     Connection     Data     Proxy     SSH     Serial     Telnet     Discing | Load, save or delete a stored session<br>Saved Sessions<br>Default Settings<br>Load<br>Save<br>Delete |         |                    |   |  |  |
| SUPDUP   | Close window on exit:<br>O Always O Never  O Only on clean exit                                       |         |                    |   |  |  |
| About Help   | Open  |         | Cancel             |   |  |  |

- 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

| R PuTTY Configuration |      |  |  |  |   |  | Х        |
|-----------------------|------|--|--|--|---|--|----------|
| Category:             |      |  |  |  |   |  |          |
|                       | *    | Opt Port forwardi Local poi Forwarded p L3306 Add new for Source port Destination ① Local ③ Auto | ions or<br>ing<br>rts acco<br>ports d<br>vorts:<br>canary.<br>warded | ept connection<br>o the same (\$<br>simmons.edu<br>d port:<br>3306<br>() Remote<br>() IPv4 | I port forw<br>ons from of<br>SSH-2 only<br>:3306 | arding<br>ther hosts<br>/)<br>Remo<br>306<br>Dynamic<br>IPv6 | s<br>ove |
| About H               | lelp |  |  | Ope  | en  | Cano   | el       |

- 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