

# Installing and Running PYX-Reloaded

## Introduction

This document should teach you how to properly set up and configure an installation of the Cards Against Humanity online clone, PYX-Reloaded.

PYX-Reloaded is a spin-off from another popular clone, PretendYoureXyzzy. This is commonly abbreviated as just "PYX" for short, and thus we used the title PYX-Reloaded when creating this game.

Your goal is to successfully test this in a sandboxed environment. The user interface has been highly simplified and made far less intimidating than its predecessor. It also conforms to Google's material design, so if you use Android, this should look very familiar.

## Objective: Set Up the Server

I will be setting up the testing environment for you beforehand. That said, once you are in, start here.

1. The first thing you should do is open a terminal. To do this, move the mouse up into the corner of the

screen that says "Activities" (Figure 1.1)



Figure 1.1

2. Click "Activities" and the overlay should appear, something like this (Figure 1.2)

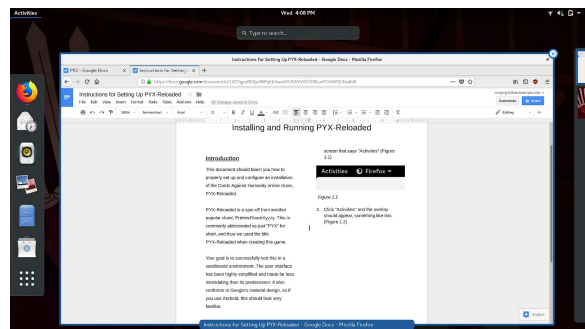


Figure 1.2

3. Using the search bar as seen in Figure 1.3, type "terminal" and select it from the options. If you did this right, a window should open resembling that of the window shown in Figure 1.4.

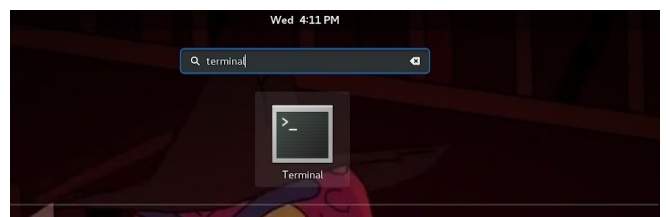


Figure 1.3

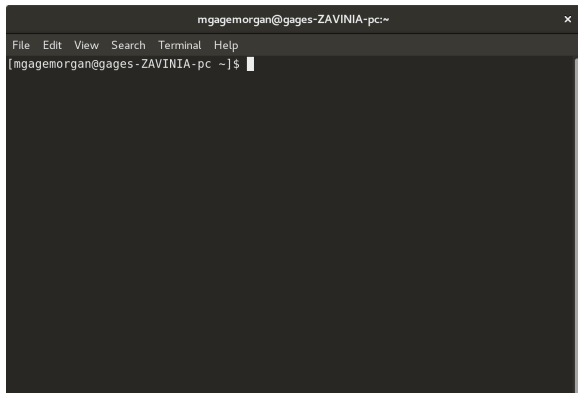


Figure 1.4

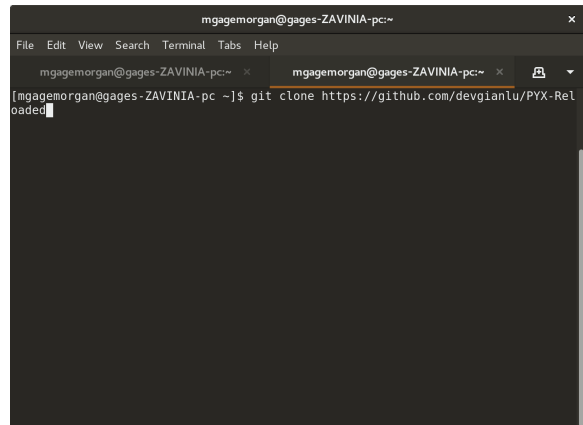


Figure 1.5

4. In this window, you will need to pull down the PYX-Reloaded source code and compile it:
  - 4.1. Type `git clone https://github.com/devgianlu/PYX-Reloaded.git` - this is shown in Figure 1.5.
  - 4.2. Go to the directory under which everything was just downloaded. To do this, type `cd PYX-Reloaded`, also shown in Figure 1.6.
  - 4.3. Once you're in the right directory, you will need to use the Apache Maven build system to compile the code into a working program. In the terminal, type `mvn clean package` (shown in Figure 1.7).

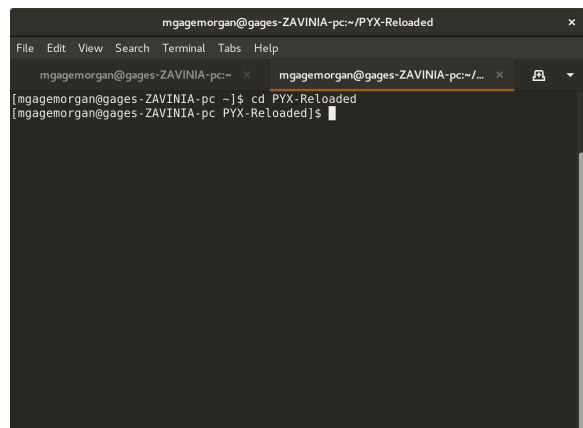


Figure 1.6

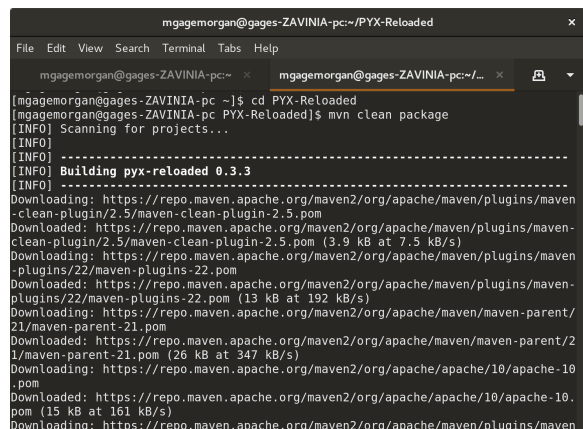
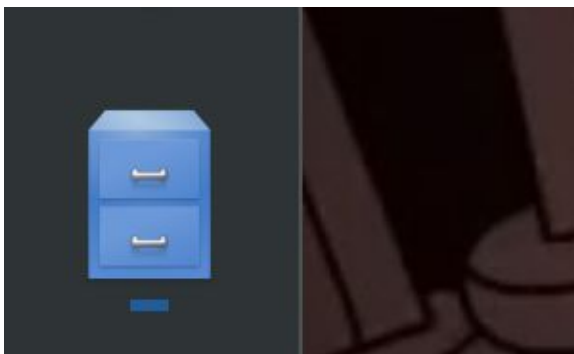


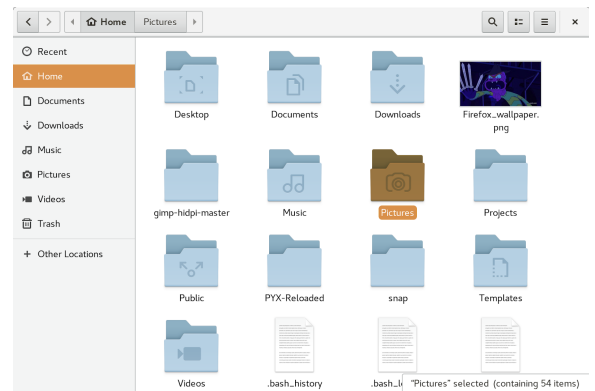
Figure 1.7

5. We now have a compiled program that can be run! To properly run this, however, you will need administrator access. When you reach this step on any Linux-based machine, you should be able to run the file using your administrator password you set up when you first got the machine. **(Note:** I will put my password in during the test these instructions were written for).

- 5.1. First, we will need to prep the server's configuration for running - we will need to rename the server's preferences file. Open the dash you used to open the terminal to open the file manager. Figure 1.8 and 1.9 show how to open the file manager.

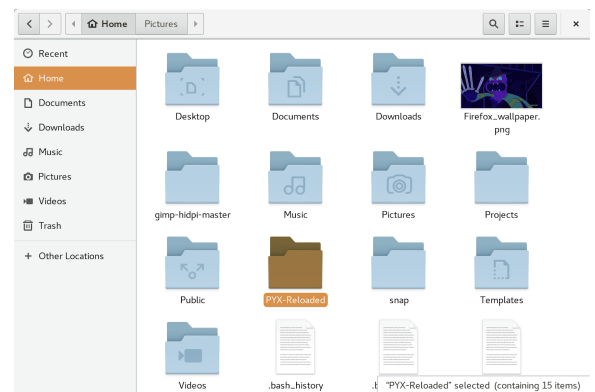


**Figure 1.8:** Find this icon pinned to the side of the screen and click on it.



**Figure 1.9**

- 5.2. Once in the file manager, it should show a slew of folders. Find the one titled *PYX-Reloaded* and double-click it. Figure 2 shows the folder highlighted, while Figure 2.1 shows what's inside a default PYX-Reloaded installation folder.



**Figure 2**

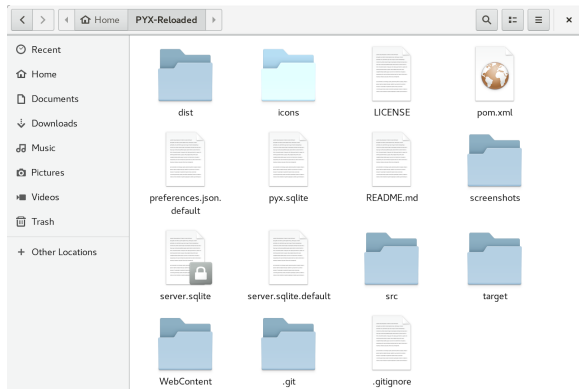


Figure 2.1

- 5.3. Find the file titled *preferences.json.default* and hit **F2** on the keyboard. This should show a rename dialog as shown in Figure 2.2.

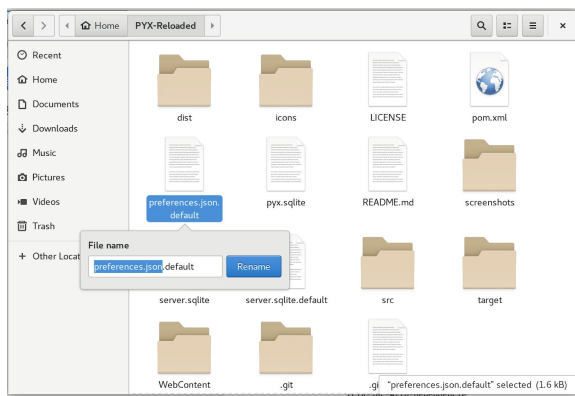


Figure 2.2

- 5.4. Remove the *.default* on the end of the name - the server will absolutely refuse to run, and it will yell at you if you don't do this! Press the *Enter* key to save the change. The final result is shown in Figure 2.3.

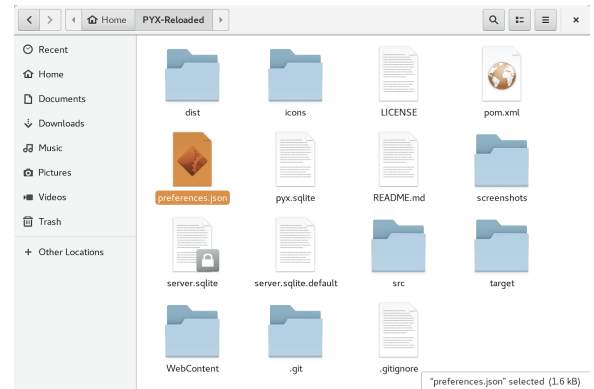


Figure 2.3

- 5.5. Back in the terminal, type `sudo java -jar $HOME/PYX-Reloaded/target/PYX-jar-with-dependencies.jar` to start the server's backend, as shown in Figure 2.4.
- 5.6. You will need to open a new tab in the terminal window! To keep the server running, you will not be able to do anything in the current window. Hitting **Shift+Ctrl+T** will open a new working terminal.

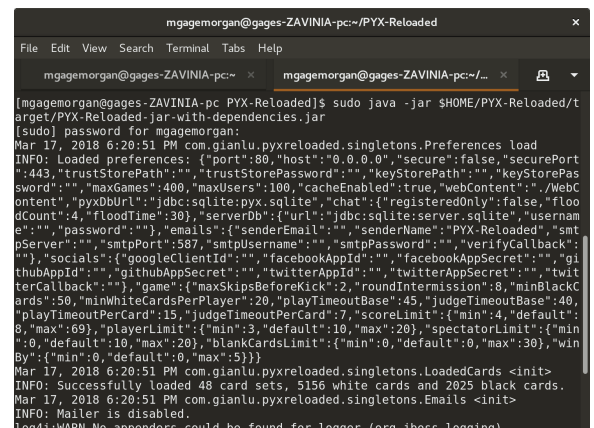
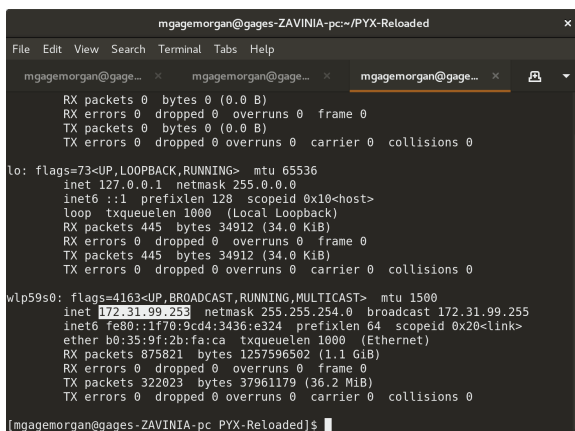


Figure 2.4

## Objective: Access the Site!

6. Now, we have to know how to access the site! On Linux, this can be found by typing the `ifconfig` command in the terminal.
  - 6.1. As shown in Figure 2.5, you will need to find the "active" network connection. Once you find that, the IP you need to copy and paste in your browser is highlighted. **THE ONE IN THIS SCREENSHOT WILL NOT WORK!**



```
mgagemorgan@gages-ZAVINIA-pc:~/PYX-Reloaded
File Edit View Search Terminal Tabs Help
mgagemorgan@gage... mgagemorgan@gage... mgagemorgan@gage...
RX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 0 bytes 0 (0.0 B)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

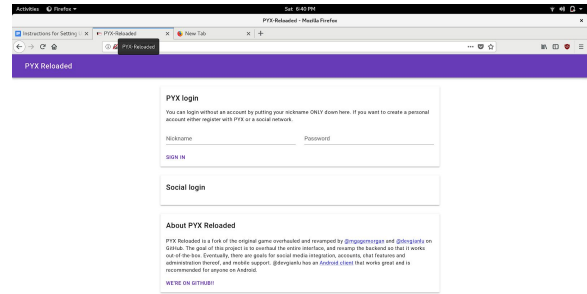
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 445 bytes 34912 (34.0 KiB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 445 bytes 34912 (34.0 KiB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlp59s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 172.31.99.253 netmask 255.255.254.0 broadcast 172.31.99.255
inet6 fe80::1f70:9cd4:3436:e324 prefixlen 64 scopeid 0x20<link>
ether b0:35:9f:2b:fa:ca txqueuelen 1000 (Ethernet)
RX packets 875821 bytes 1257596502 (1.1 GiB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 322023 bytes 37961179 (36.2 MiB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[mgagemorgan@gages-ZAVINIA-pc PYX-Reloaded]$
```

Figure 2.5

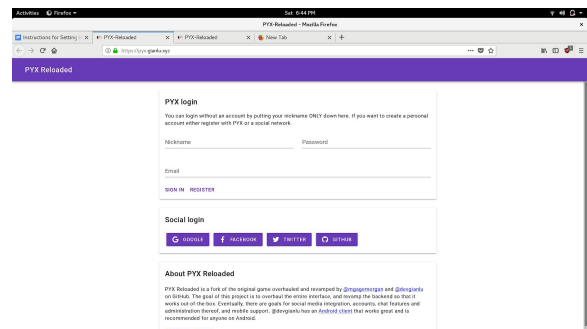
7. Using the same method used to open the file manager in Step 5.1, click the Firefox icon to open a new browser window.
  - 7.1. In the browser window, type or paste the IP address from the last step into the omnibox and press **Enter**. Figure 2.6 shows the end result!



## Final Notes

The current local setup works. HOWEVER, Gianluca, the Italian developer I've been working on this with over the last three months, has yet to implement an administrative backend. There should be a "first-time setup" when the site is first run. This is to setup the database for users, and to create an administrator account, so that other installs can have their own Social links.

If you really want to test this with a few friends, I encourage you to go to <http://mastodons.tk> for a completed setup that works without complication.



*The reference implementation of PYX-Reloaded. I'm going to work with Gianluca to develop an out-of-box experience to make setup a little less painful.*

