

Modded Server Access

Step 1: First you have to install forge for 1.12.2

<https://files.minecraftforge.net/maven/net/minecraftforge/forge/1.12.2-14.23.5.2854/forge-1.12.2-14.23.5.2854-installer.jar>

If you know of another way to run the .jar file then do that but you need to install the client but I ran the jar file through command line and walked through the gui that way

First open up command prompt and type: **java -version** or **java --version**

If you get a response that looks something like this then you are ok. If not then you need to instal java. Any version will work.

```
C:\Users\culbe\Downloads>java -version
java version "1.8.0_241"
Java(TM) SE Runtime Environment (build 1.8.0_241-b07)
Java HotSpot(TM) 64-Bit Server VM (build 25.241-b07, mixed mode)

C:\Users\culbe\Downloads>
```

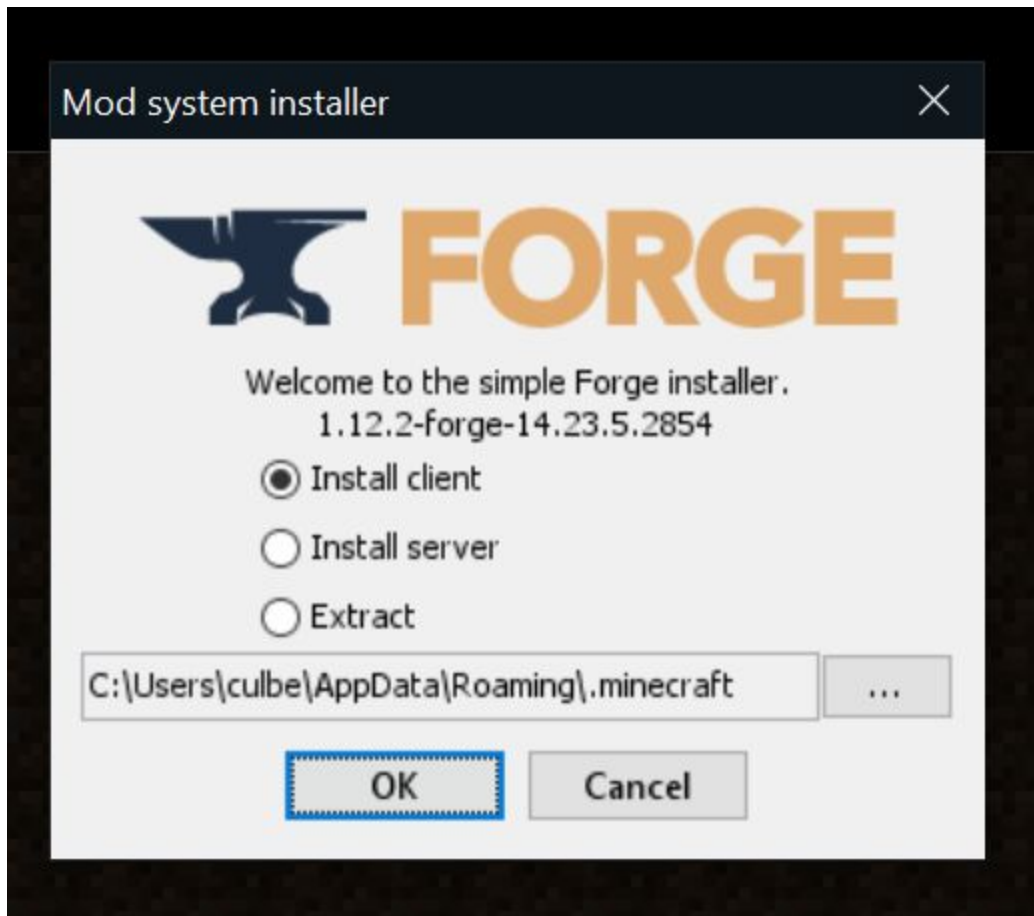
If you have java installed and access in the command line then run this command:

java -jar <path of the forge jar file>

In my case it is

```
C:\Users\culbe\Downloads>java -jar C:\Users\culbe\Downloads\forge-1.12.2-14.23.5.2854-installer.jar
```

You should get a window that pops up like this



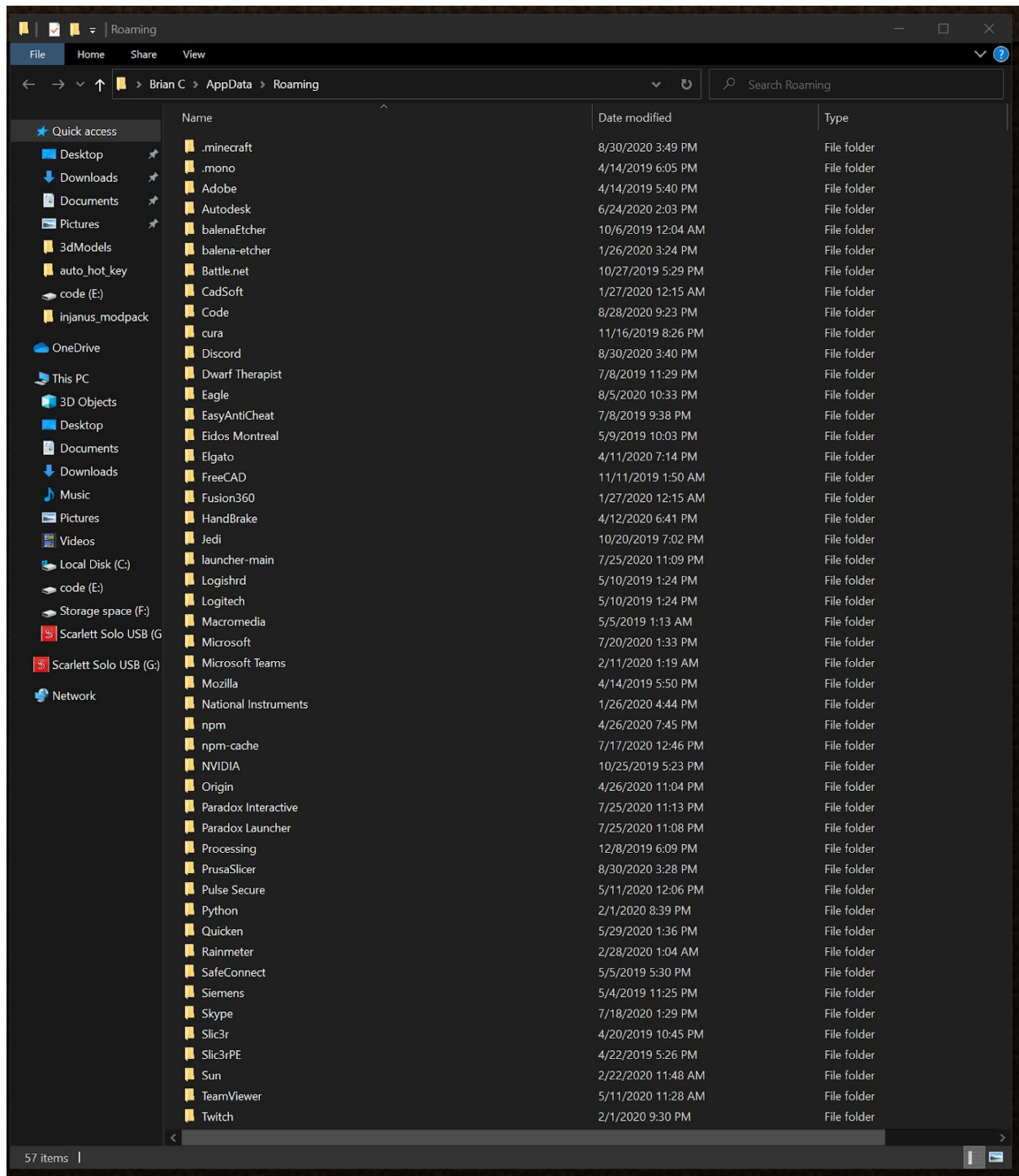
Select install client and click enter. This won't take long but let it finish. What this will do is add a launcher to the minecraft launcher for minecraft

Step 2: Add mods!

Go to your roaming folder for minecraft where it installed forge

You can get there using the run command for windows by pressing **<WINDOWS> + R**

You should get a folder popup that should be your roaming folder



Go into the .minecraft folder and then into the mods folder. This folder shouldnt have much in it because you have no mods installed

https://drive.google.com/drive/folders/1I6G8PSM_hsZ07Fz7zOmHBWXibofglEis?usp=sharing

This is the google drive that the mods are in. Install all of them and put them into the mods folder.

Once this is done you have the mods installed.

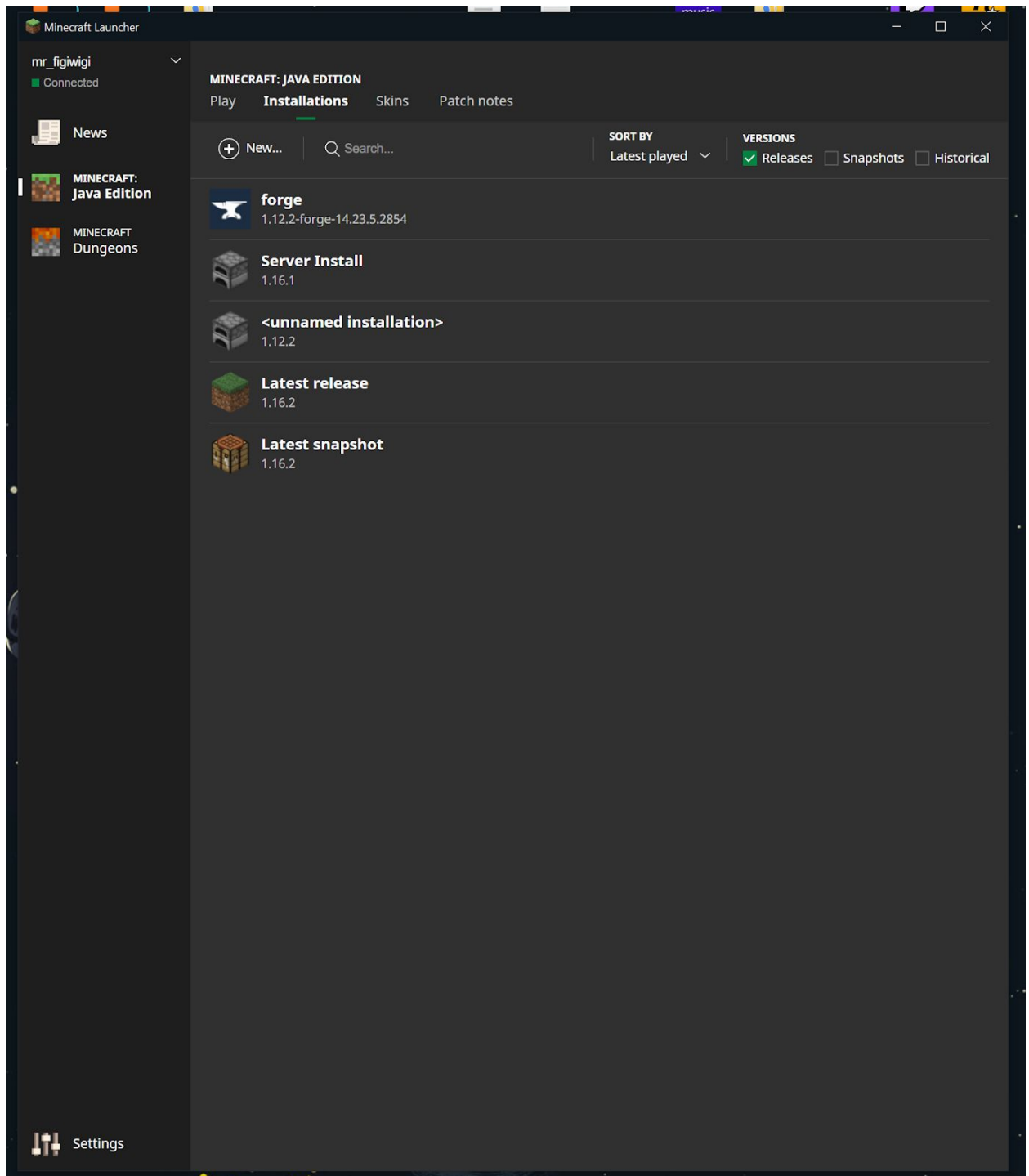
Step 3: Launching Minecraft

Before you launch minecraft, it is a good idea that you increase the amount of ram the launcher can use so it does not crash. By default it is set to 2Gb but i find that 4Gb is good but 6Gb is best. This all depends on your system of course.

If you only have 8Gb of ram installed you might want to get more ram before you run modded minecraft!!!!

To increase the amount of ram the launcher can use you need to edit the launch command.

First open the Launcher and go to the installations tab at the top



Go over to forge and click the  symbol and then click edit

Go down to more options and you should see **JVM Arguments**

You should see a command that says

**-Xmx2G -XX:+UnlockExperimentalVMOptions -XX:+UseG1GC
-XX:G1NewSizePercent=20 -XX:G1ReservePercent=20 -XX:MaxGCPauseMillis=50
-XX:G1HeapRegionSize=32M**

Now all you need to change is the beginning statement

-Xmx2g to -Xmx<the amount of Gb you want to set>G

Again, read above to see what you should set.

Launching minecraft is the same as before but make sure you launch **Forge 1.12.2**

Notes: When you load in for the first time it is going to take a while so get a beer and relax. If you experience stuttering when you are in the world this is likely due to not enough ram or too many applications open at once. Don't blame me for your game stuttering :)