

## How to Setup/install Grasscutter PS and connect to it (Stable Branch) (Windows only)

A Simplified guide for noobs created by a noob

Created 4/25/2022

1. Download and Install the following Prerequisites

- **JDK8u202** : <https://mirrors.huaweicloud.com/java/jdk/8u202-b08/>

[jdk-8u202-windows-x64.exe](#)

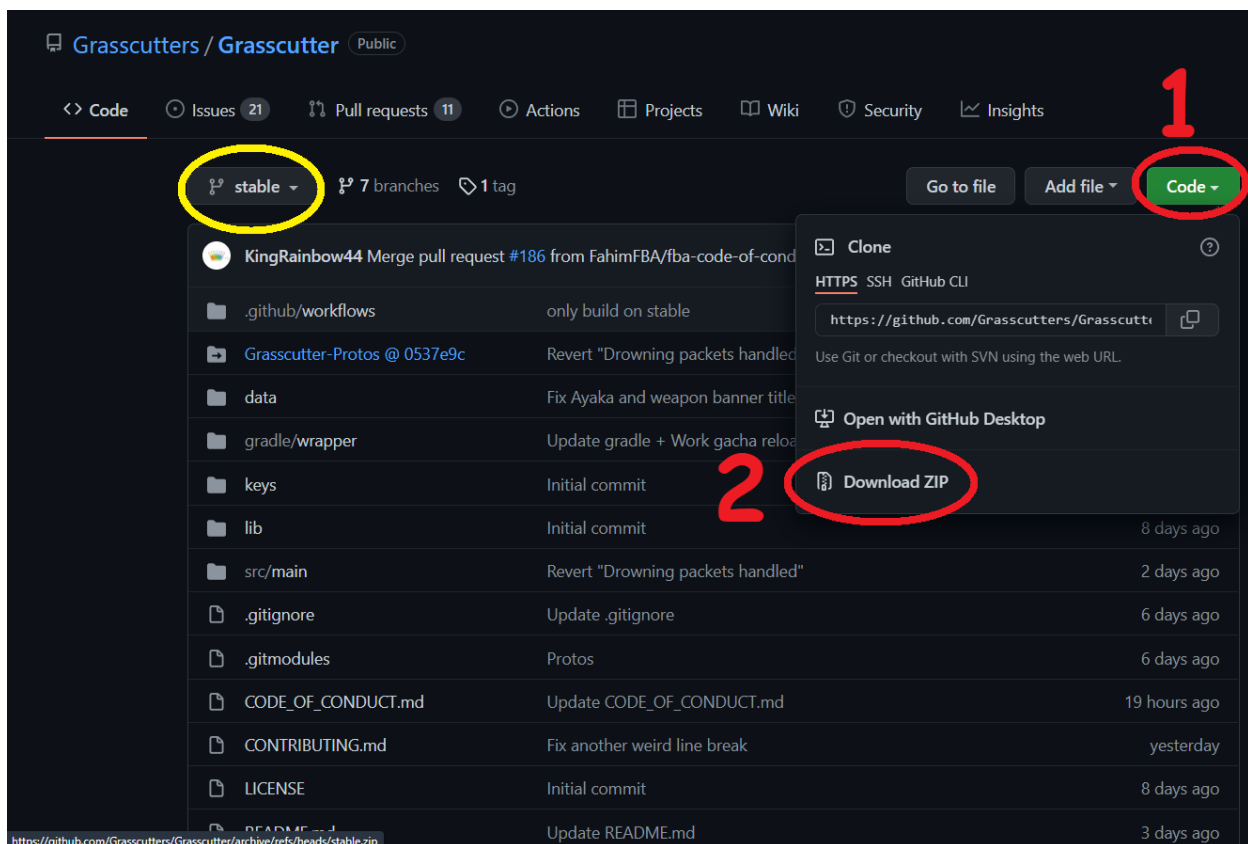
- **MongoDB** : <https://www.mongodb.com/try/download/community>

Just click Next next and no need to change anything.

2. Create a Github Account and Login

3. Download the necessary files to build and run the Grasscutter PS

a. Download the whole stable branch of Grasscutter. (Make sure you're on the stable branch highlighted by the yellow circle) : <https://github.com/Grasscutters/Grasscutter>



- b. Download the latest stable grasscutter.jar by going to the Actions tab, filter the branch to stable and click on the top latest result with a green checkmark. (You will download it as a zip file but inside of it is the grasscutter.jar)

The screenshot shows the GitHub Actions interface for the repository 'grasscutter/actions'. The 'Actions' tab is selected, and the 'All workflows' view is active. A search filter 'branch:stable' is applied. The '7 workflow run results' table lists several workflows, all marked as 'stable'. A red arrow labeled '3' points to the first workflow, 'Update issue templates'. A red circle labeled '1' highlights the 'Branch' dropdown menu, which is open and shows a list of branches. A red circle labeled '2' highlights the 'stable' branch in the dropdown menu, which has a checkmark next to it. A red circle labeled '3' points to the 'Update issue templates' workflow, which has a green checkmark next to it. A red arrow labeled '3' points to the 'Update issue templates' workflow, with the text 'Download the latest on the list' below it.

3 → Download the latest on the list

1 Branch

2 stable

3

Event	Status	Branch	Actor
Update issue templates	stable	stable	...
Merge pull request #186 from FahimFBA/fba-code-of-co...	stable	stable	...
Merge pull request #163 from memetrollsXD/patch-1	stable	stable	...
Merge pull request #152 from Grasscutters/revert-151-m...	stable	stable	...
Merge pull request #151 from TheLostTree/main	stable	stable	...
Merge pull request #125 from PasserbyAlpha/fix_encodi...	stable	stable	...

Code Issues 24 Pull requests 11 Actions Projects Wiki Security Insights

### Update issue templates Build #65

Summary

Jobs

- Build-Server-Jar

Triggered via push 1 hour ago

Melody pushed -> 285426e stable

Status: Success

Total duration: 2m 0s

Artifacts: 1

build.yml

on: push

Build-Server-Jar 1m 46s

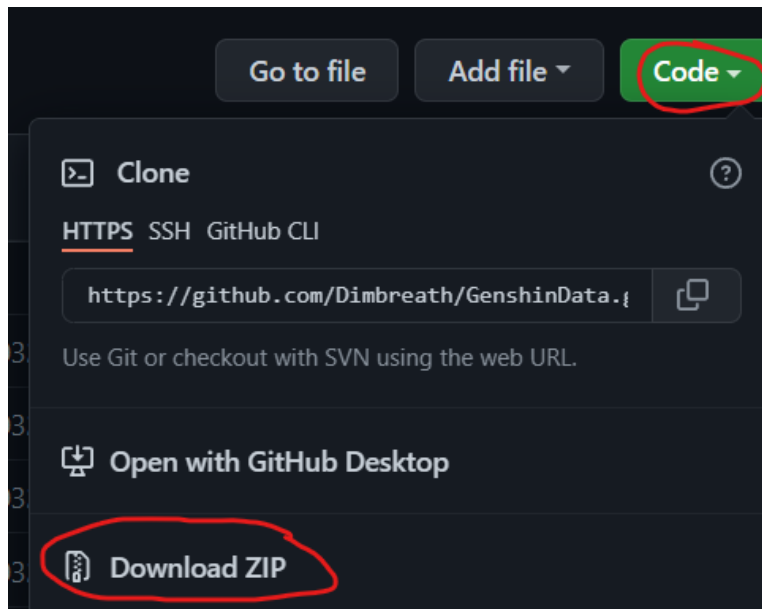
Artifacts

Produced during runtime

Name	Size
Grasscutter	21.2 MB

- c. Download the GenshinData (GenshinData-master.zip) :  
<https://github.com/Dimbreath/GenshinData>
- d. Download the gi-bin-output (gi-bin-output-master.zip) :  
<https://github.com/radioegor146/gi-bin-output>
- e. Download Grasscutter-Protos (Grasscutter-Protos-main.zip) :  
<https://github.com/Grasscutters/Grasscutter-Protos>

- To download these files :



4. Move the zip files you downloaded to a empty folder and you should have the following zip files in this picture :

This PC > Local Disk (D:) > GRASS > New folder

Name	Date modified	Type	Size
GenshinData-master.zip	4/22/2022 5:52 AM	WinRAR ZIP archive	201,972 KB
gi-bin-output-master.zip	4/22/2022 7:29 AM	WinRAR ZIP archive	66,689 KB
Grasscutter.zip	4/24/2022 11:10 AM	WinRAR ZIP archive	19,981 KB
Grasscutter-Protos-main.zip	4/24/2022 11:38 AM	WinRAR ZIP archive	146 KB
Grasscutter-stable.zip	4/25/2022 9:18 AM	WinRAR ZIP archive	4,143 KB

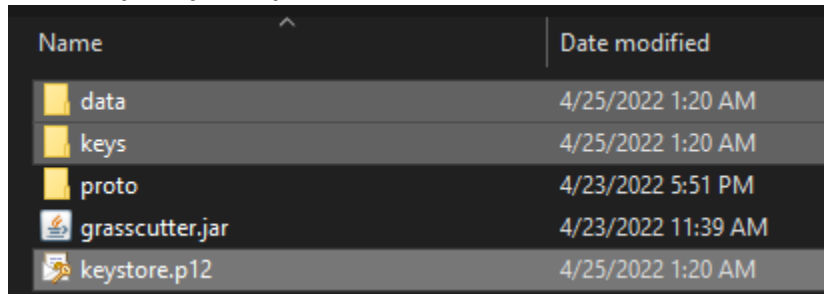
5. Create a new folder named "**GrasscutterPS**" and extract the following files from the corresponding zip files to the **GrasscutterPS** folder you just created.

This PC > Local Disk (D:) > GRASS > New folder

Name	Date modified	Type	Size
GrasscutterPS	4/25/2022 5:41 PM	File folder	
GenshinData-master.zip	4/22/2022 5:52 AM	WinRAR ZIP archive	201,972 KB
gi-bin-output-master.zip	4/22/2022 7:29 AM	WinRAR ZIP archive	66,689 KB
Grasscutter.zip	4/24/2022 11:10 AM	WinRAR ZIP archive	19,981 KB
Grasscutter-Protos-main.zip	4/24/2022 11:38 AM	WinRAR ZIP archive	146 KB
Grasscutter-stable.zip	4/25/2022 9:18 AM	WinRAR ZIP archive	4,143 KB

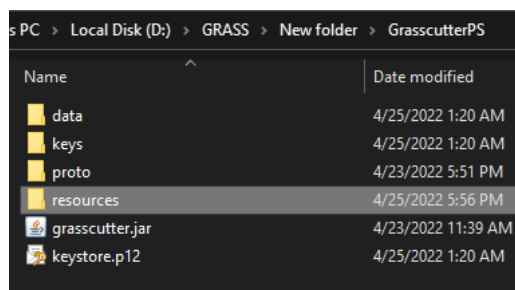
- a. Open **Grasscutter.zip** and extract the **grasscutter.jar** to **GrasscutterPS** folder

- b. Open **Grasscutter-Protos-main.zip**, find and extract the **proto** folder to the **GrasscutterPS** folder
- c. Open **Grasscutter-stable.zip**, find and extract the following files to **GrasscutterPS** folder :  
**“data, keys, keystore.p12”**



Name	Date modified
data	4/25/2022 1:20 AM
keys	4/25/2022 1:20 AM
proto	4/23/2022 5:51 PM
grasscutter.jar	4/23/2022 11:39 AM
keystore.p12	4/25/2022 1:20 AM

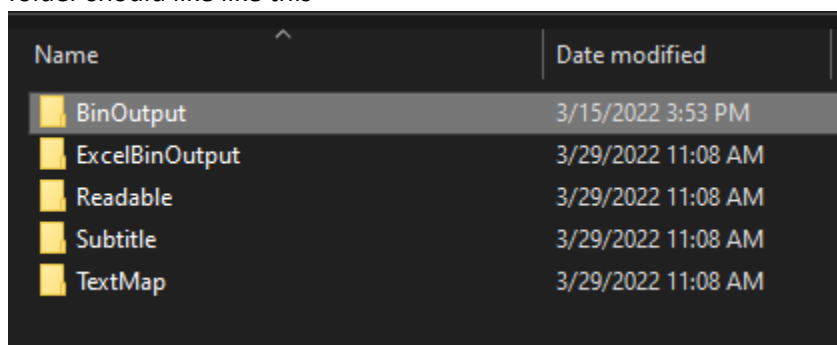
6. Create a new folder inside of **GrasscutterPS** named **“resources”**



Name	Date modified
data	4/25/2022 1:20 AM
keys	4/25/2022 1:20 AM
proto	4/23/2022 5:51 PM
resources	4/25/2022 5:56 PM
grasscutter.jar	4/23/2022 11:39 AM
keystore.p12	4/25/2022 1:20 AM

Find and extract the following files from the corresponding zip files to the **resources** folder you just created

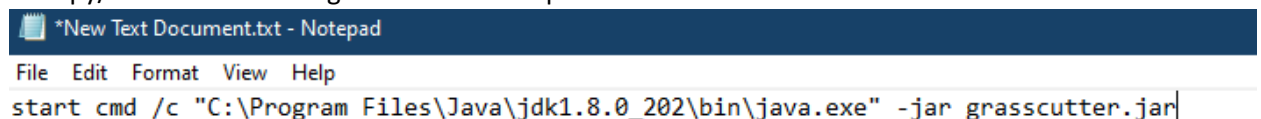
- a. Open **GenshinData-master.zip**, find and extract the folders :  
**Textmap, Subtitle, Readable, ExcelBinOutput**
- b. Open **gi-bin-output-master.zip**, open the **“2.5.52”** folder and inside of it find the **“\_BinOutput”** folder and extract it.
- c. Rename the folder **“\_BinOutput”** to **“BinOutput”** and by now the inside of your **resources** folder should look like this



Name	Date modified
BinOutput	3/15/2022 3:53 PM
ExcelBinOutput	3/29/2022 11:08 AM
Readable	3/29/2022 11:08 AM
Subtitle	3/29/2022 11:08 AM
TextMap	3/29/2022 11:08 AM

7. Create a new Text Document inside of **GrasscutterPS** and open it with notepad or notepad++

- a. Copy/Paste this following code to the notepad:



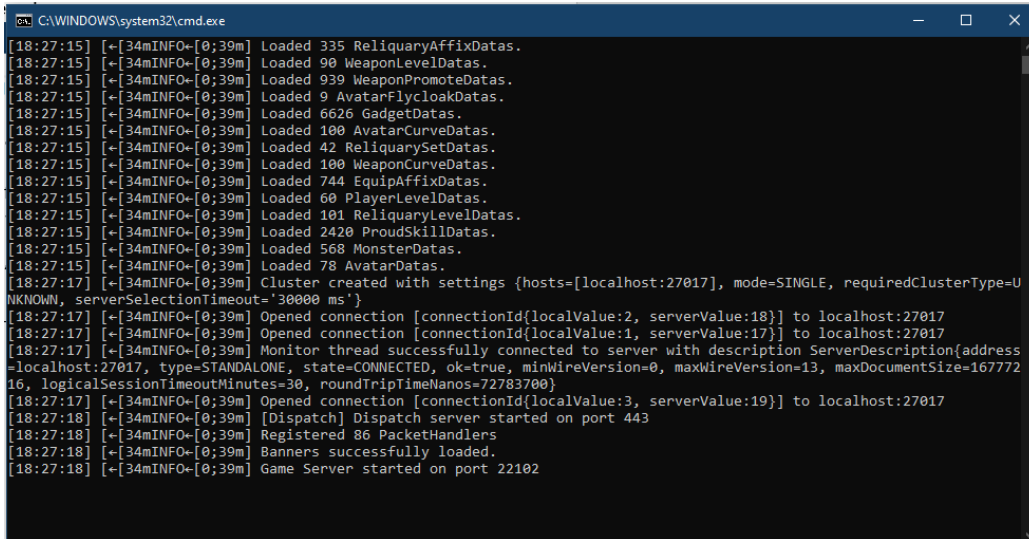
```
start cmd /c "C:\Program Files\Java\jdk1.8.0_202\bin\java.exe" -jar grasscutter.jar
```

**"start cmd /c "C:\Program Files\Java\jdk1.8.0\_202\bin\java.exe" -jar grasscutter.jar"**

**NOTE :** If you changed the installation path of **JDK8u202** you have to change the path **"C:\Program Files\Java\jdk1.8.0\_202\bin\java.exe"** to where you installed your **JDK8u202**.

**b.** Click **file > Save as >** and name it **"run.bat"** and click **Save.** (Make sure you saved it on the **GrasscutterPS** folder)

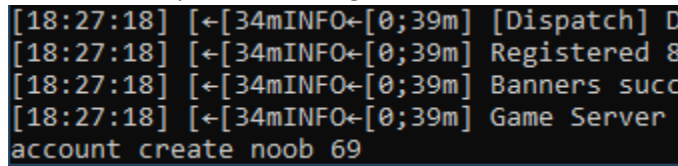
- 8.** Now you can now run **grasscutter.jar** by opening the **run.bat** and it should open a CMD console.



```
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 335 ReliquaryAffixDatas.
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 90 WeaponLevelDatas.
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 939 WeaponPromoteDatas.
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 9 AvatarFlycloakDatas.
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 6626 GadgetDatas.
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 100 AvatarCurveDatas.
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 42 ReliquarySetDatas.
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 100 WeaponCurveDatas.
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 744 EquipAffixDatas.
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 60 PlayerLevelDatas.
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 101 ReliquaryLevelDatas.
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 2420 ProudSkillDatas.
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 568 MonsterDatas.
[18:27:15] [+ [34mINFO+ [0;39m] Loaded 78 AvatarDatas.
[18:27:17] [+ [34mINFO+ [0;39m] Cluster created with settings {hosts=[localhost:27017], mode=SINGLE, requiredClusterType=UNKNOWN, serverSelectionTimeout='30000 ms'}
[18:27:17] [+ [34mINFO+ [0;39m] Opened connection [connectionId{localValue:2, serverValue:18}] to localhost:27017
[18:27:17] [+ [34mINFO+ [0;39m] Opened connection [connectionId{localValue:1, serverValue:17}] to localhost:27017
[18:27:17] [+ [34mINFO+ [0;39m] Monitor thread successfully connected to server with description ServerDescription{address=localhost:27017, type=STANDALONE, state=CONNECTED, ok=true, minWireVersion=0, maxWireVersion=13, maxDocumentSize=16777216, logicalSessionTimeoutMinutes=30, roundTripTimeNanos=72783700}
[18:27:17] [+ [34mINFO+ [0;39m] Opened connection [connectionId{localValue:3, serverValue:19}] to localhost:27017
[18:27:18] [+ [34mINFO+ [0;39m] [Dispatch] Dispatch server started on port 443
[18:27:18] [+ [34mINFO+ [0;39m] Registered 86 PacketHandlers
[18:27:18] [+ [34mINFO+ [0;39m] Banners successfully loaded.
[18:27:18] [+ [34mINFO+ [0;39m] Game Server started on port 22102
```

- a.** First we need to create a account so we can login to the Private Server.  
To create a account, type **"account create [username] [playerID]"** to the console.  
**[playerID]** means what will be your **UID** in the game.

Here's a example me creating a account :



```
[18:27:18] [+ [34mINFO+ [0;39m] [Dispatch] D
[18:27:18] [+ [34mINFO+ [0;39m] Registered 8
[18:27:18] [+ [34mINFO+ [0;39m] Banners succ
[18:27:18] [+ [34mINFO+ [0;39m] Game Server
account create noob 69
```

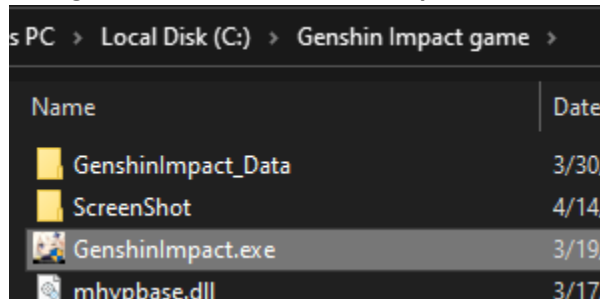
- 9.** After you created your account. Download the latest release version of Grassclipper here and extract it somewhere (preferably outside of your **GrasscutterPS** folder) :

<https://github.com/Grasscutters/GrassClipper>

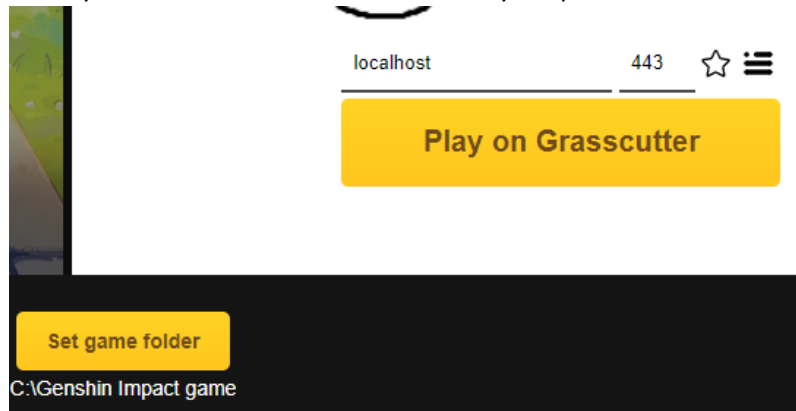
10. Open the Grassclipper folder and Run **Grassclipper.exe** and it will ask you to install the proxy, click install.

a. Click “**Set Game folder**” and find your **Genshin Impact Game** folder.

(Not to be confused by the launcher folder of Genshin Impact. **Genshin Impact Game** folder it’s asking should have the **GenshinImpact.exe** inside of it)



b. set your **IP Address** to “localhost” and your port to 443



11. Now you can connect and play to the private server by clicking **Play on Grasscutter**.

Enter your username and for the password, just input anything.