MineACT installation guide

This guide will show you how to set up a Spigot server on your local machine. This will primarily be focusing on Windows machines. This tutorial can also be used to deploy Linux-based servers.

Installing dependencies and libraries

Installing Python and necessary libraries

- Install Python from <u>https://www.python.org/downloads/</u>. We recommend between Python
 3.7 to 3.9. Be sure to tick "Add Python to PATH" when installing.
- 2. After installing, open Command Prompt on Windows or Terminal on Linux/MacOS to install necessary libraries.
- 3. Install requests by entering: pip install requests

Installing Java dependencies

- 1. Install Java SE Development Kit 8 from https://www.oracle.com/uk/java/technologies/javase/javase-jdk8-downloads.html
- 2. Also download Java from https://www.java.com/en/download/

NoCodeAPI endpoint

- Set up a JSON API for Google Sheets on NoCodeAPI. A tutorial can be found on their official YouTube channel <u>https://www.youtube.com/watch?v=8_aXxeyQDro</u>
- Once this is done, retrieve an endpoint for a GET request. This is to ensure the Python script is able to get all data from the associated Google Sheet. You may select however many tables are required and what rows through the NoCodeAPI interface.
- Once this is done, insert the API endpoint URL into the Python script where it says API_ENDPOINT_URL.

```
def main():
 endpoint = "API_ENDPOINT_URL"
 response = requests.get(endpoint)
```

```
data_as_json = response.json()
```

Setting up Spigot server

Initial setup

- 1. Download spigot-1.16.3.jar from here <u>https://getbukkit.org/download/spigot</u>
- 2. Place **spigot-1.16.3.jar** into a folder. This will be your server folder.
- 3. Enter Command Prompt/Terminal and CD to the server folder.
- 4. Enter java -Xms2G -Xmx2G -jar spigot-1.16.3.jar -nogui
 - a. -Xms is minimum RAM, -Xmx is maximum RAM. You can decide how much RAM should be allocated to your server based on your needs. Generally, the more RAM the better.
- The setup will initially fail. This is to be expected. An eula.txt file will be created. Open eula.txt and agree to it (turn false to true).
- 6. Enter the same command again. This will successfully start the server and create all other server files including the plugins folder.
- 7. To stop the server, simply enter stop into the server console. This will terminate the server session. You will have to terminate the server in order to add the MineACT plugin to the plugins folder.

Adding the MineACT plugin

- 1. Place MineACT-1.0-RELEASE.jar into the plugins folder.
- Within your server folder, add capture_intents.py. Also, create a new folder called vf_directory. This is where your VF file will go. Your server folder should now look like this below. Once this has been completed, you have now set up the server to be used with MineACT.

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	Name	Date modified	Туре	
	logs	14/03/2021 13:05	File folder	
OneDrive	plugins	14/03/2021 05:43	File folder	
75:00	vf_directory	07/03/2021 15:03	File folder	
Inis PC	world	14/03/2021 06:00	File folder	
network	world_nether	14/03/2021 06:00	File folder	
	world_the_end	14/03/2021 06:00	File folder	
	banned-ips	14/03/2021 13:05	JSON File	1 KE
	banned-players	14/03/2021 13:05	JSON File	1 KB
	bukkit.yml	14/03/2021 13:05	YML File	2 KE
	apture_intents	14/03/2021 13:07	Python File	2 KE
	commands.yml	14/03/2021 13:05	YML File	1 KE
	📄 eula	30/11/2020 01:50	Text Document	1 KE
	help.yml	30/11/2020 01:53	YML File	3 KE
	🐱 ops	14/03/2021 13:05	JSON File	1 KE
	permissions.yml	30/11/2020 01:53	YML File	0 KE
	Server Server	03/03/2021 16:05	Windows Batch File	1 KB
	/// server	14/03/2021 13:05	PROPERTIES File	2 KE
	spigot.yml	14/03/2021 13:05	YML File	4 KB
	💩 spigot-1.16.3	30/11/2020 01:48	Executable Jar File	34,929 KB
	🧕 usercache	14/03/2021 13:05	JSON File	1 KB
	whitelist	30/11/2020 01:53	JSON File	1 KB