

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

1. Install Python from <https://www.python.org/downloads/>. 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

1. Set up a JSON API for Google Sheets on NoCodeAPI. A tutorial can be found on their official YouTube channel https://www.youtube.com/watch?v=8_aXxeyQDro
2. 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.
3. 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 <https://getbukkit.org/download/spigot>
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.
5. 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.
2. 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.

