

Using Multipass VM server as self-hosted runner

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Introduction

This document outlines the steps required to launch virtual servers into **Multipass** application and use it as GitHub self hosted runner.

Procedure

Installing & Accessing Multipass

```
1 snap install multipass
```

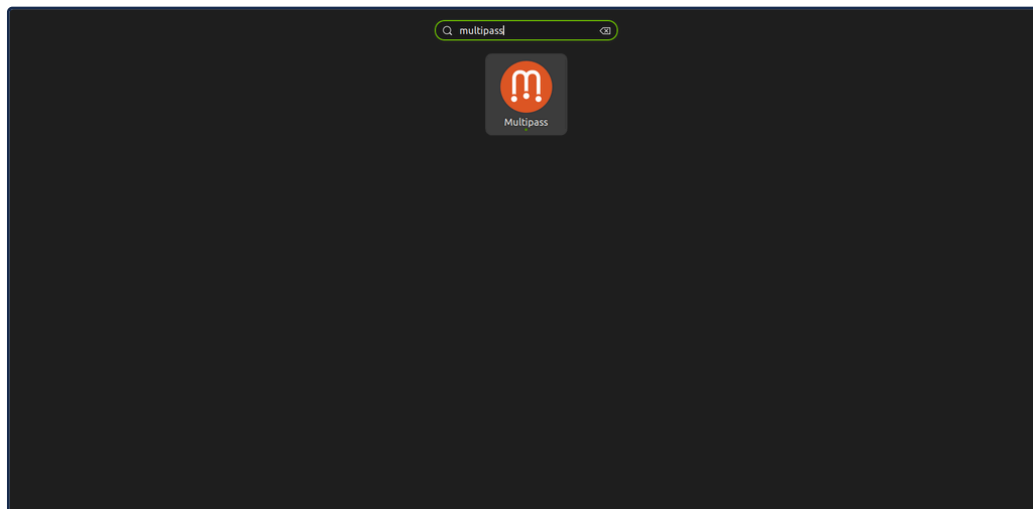


Fig: Search for Multipass locally

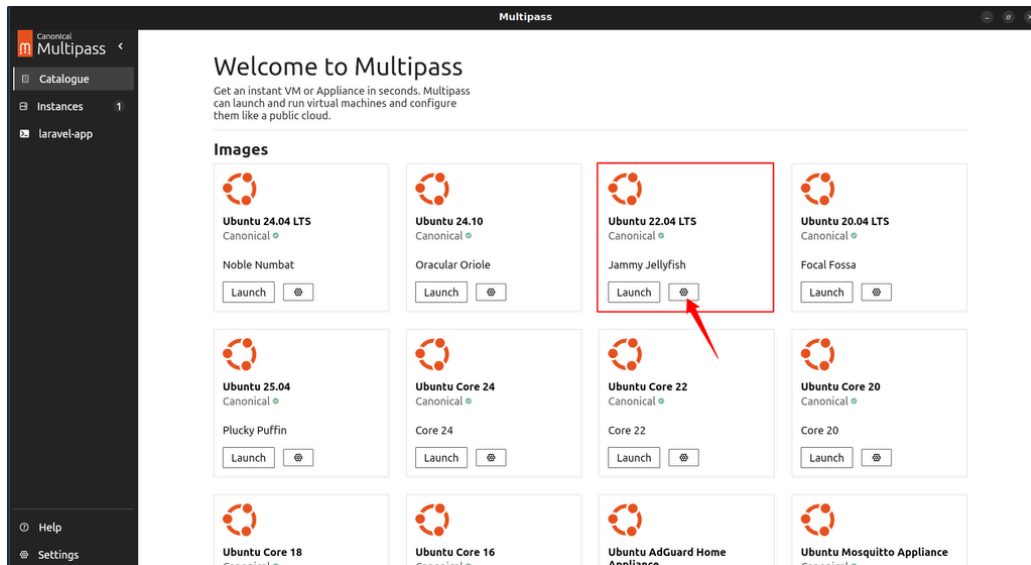


Fig: Server Options in Multipass

Launching Instance

We will be launching **Ubuntu 22.04 LTS** for our GitHub self hosted runner.

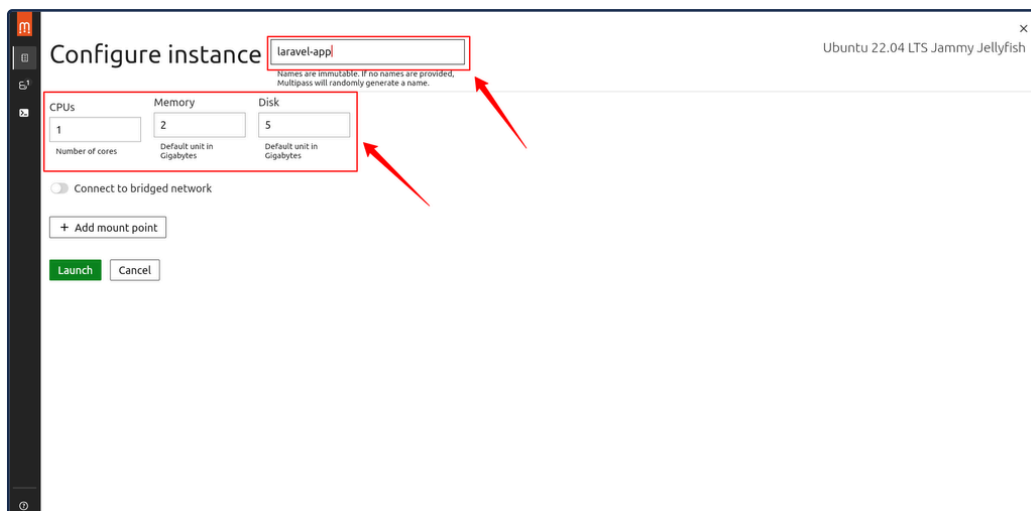


Fig: Multipass Console to launch virtual server

Use multipass GUI to launch instance. Use the relevant name for the server with relevant CPU, Memory and Storage.

Setting Self Hosted Runner

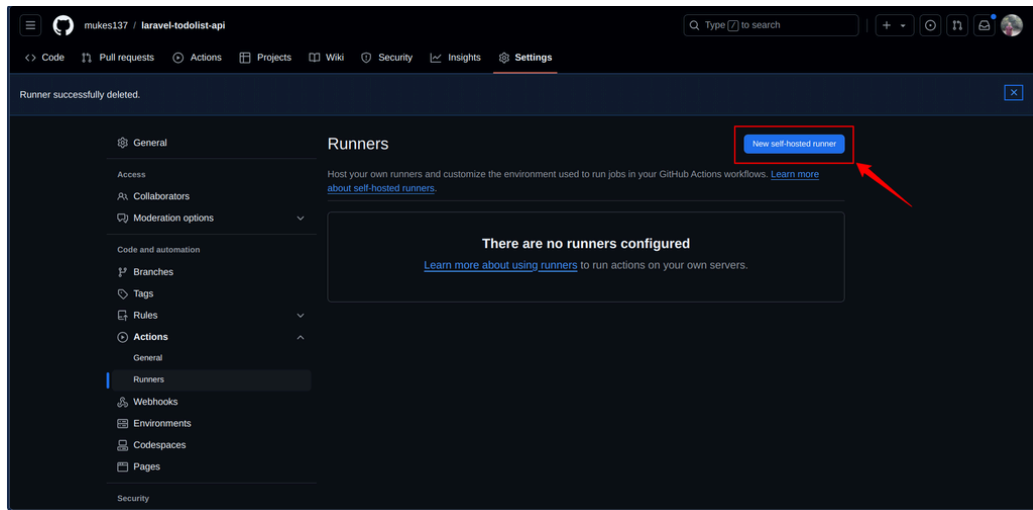
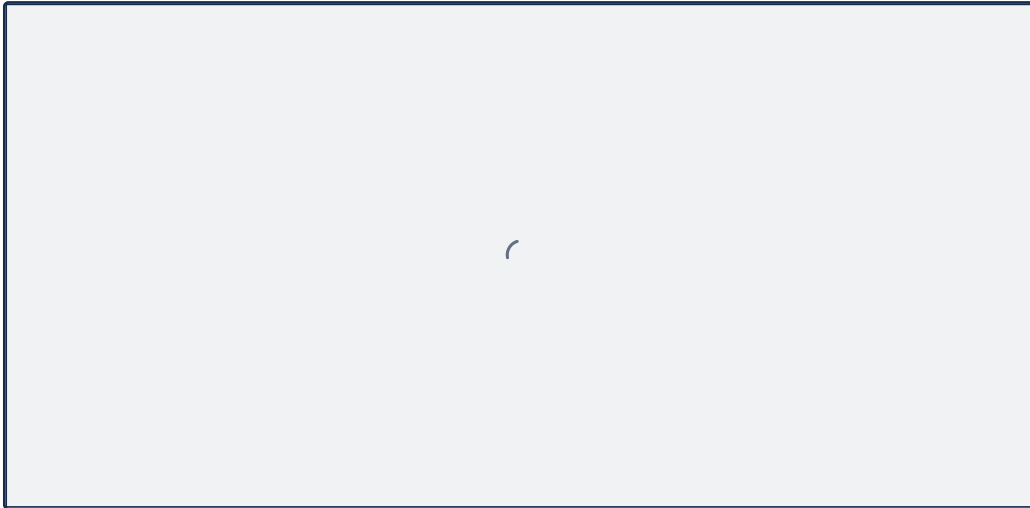


Fig: Launching Self Hosted Runner

Click on the **<New self hosted runner>** option to create the runner using multipass.



Execute the **<Download>** and **<Configure>** section commands into the multipass server to connect it with the GitHub.

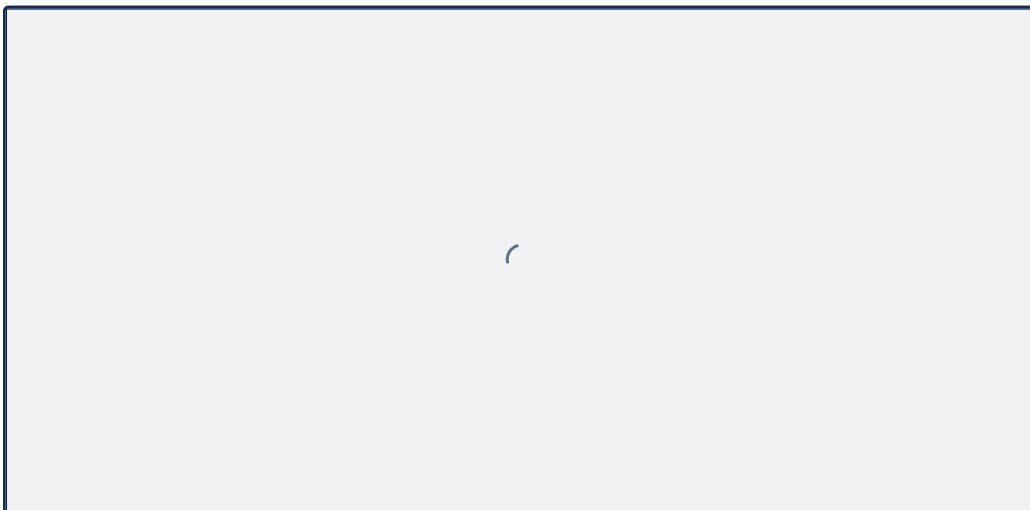
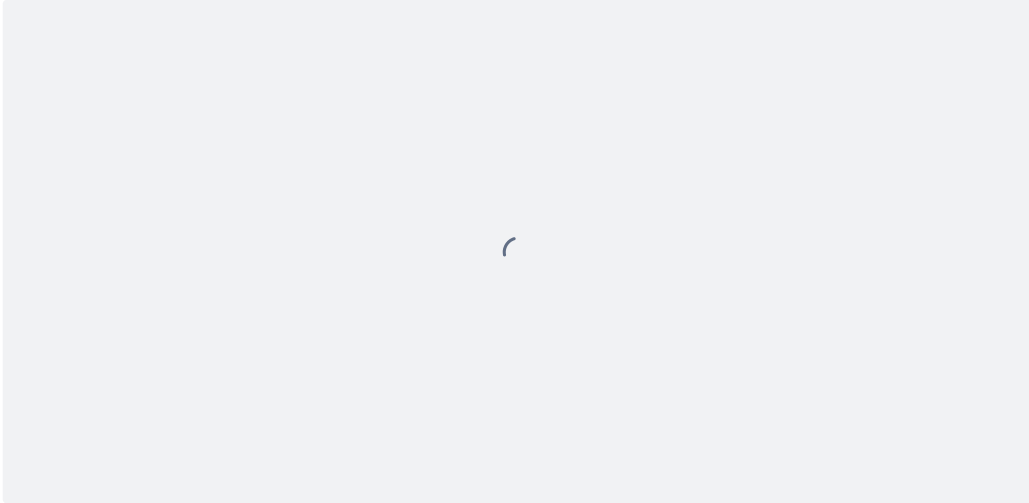


Fig: Executing all of the commands listed in GitHub into the VM

i You can run the final configure bash script with name `./run.sh` in background as well.

Example: `./run.sh &`



After running the bash script the self hosted runner is ready for use in GitHub Actions.

Reference

 [How to install Multipass | Multipass documentation](#)