

Creating an Ubuntu VM on macOS with Apple Silicon (M1/M2/M3)

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1. Install Multipass using the [installer](#).
2. Create an instance using the following command, choosing the username, number of CPUs, amount of disk space, and amount of memory:

```
multipass launch --name UserName --cpus 4 --disk 20G --memory 8G
```

3. Run the following command to enter command line for your created instance:

```
multipass shell UserName
```

4. In the Ubuntu command line, set a username and password using the following commands, following the prompts. Replace “newUsername” with your choice of username, and “pass” with your choice of password:

```
$ sudo usermod -l newUsername ubuntu
```

```
$ sudo passwd newUsername
```

```
New password: pass
```

```
Retype new password: pass
```

5. Update your instance and install the graphical desktop package using the following commands:

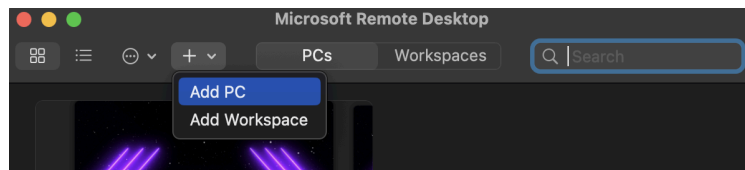
```
$ sudo apt update
```

```
$ sudo apt install ubuntu-desktop
```

6. Find the IP address for your instance using the following command. You will see a line of text. The first part (a number in the form of 192.168.66.6) is your instance’s IP address:

```
$ hostname -I
```

7. In the Mac app store, install Microsoft Remote Desktop.
8. In Remote Desktop, click the “+” button and select “Add PC.”



- a. Set “PC Name” to your instance’s IP address.
- b. For User Account, add a user account, setting the username and password.

Add a User Account

Username:

Password:

☒ Show password

Friendly name:

- c. Your screen should look like the following:

Add PC

PC name:

User account:

Friendly name:

Group:

Gateway:

☒ Bypass for local addresses

☒ Reconnect if the connection is dropped

☐ Connect to an admin session

☐ Swap mouse buttons

Your Ubuntu instance is ready.