

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

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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:

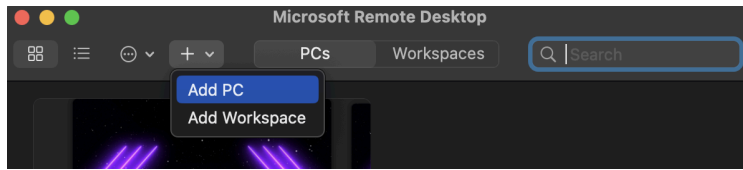
```
$ sudo apt update
```

```
$ 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.

A screenshot of the 'Add a User Account' dialog box. The dialog has a dark background. At the top, it says 'Add a User Account'. Below this, there are four input fields: 'Username:' with the text 'UserName', 'Password:' with the text 'password', 'Friendly name:' with the text 'nickname', and a checkbox labeled 'Show password' which is checked. At the bottom right, there are two buttons: 'Cancel' and 'Add'.

- c. Your screen should look like the following:

A screenshot of the 'Add PC' dialog box. The dialog has a dark background. At the top, it says 'Add PC'. Below this, there are four input fields: 'PC name:' with the text '192.168.66.6', 'User account:' with the text 'nickname', 'Friendly name:' with the text 'nickname', and 'Group:' with the text 'Saved PCs'. Below these fields, there are four tabs: 'General', 'Display', 'Devices & Audio', and 'Folders'. The 'General' tab is selected. Below the tabs, there are several checkboxes: 'Gateway:' with the text 'No gateway', 'Bypass for local addresses' (checked), 'Reconnect if the connection is dropped' (checked), 'Connect to an admin session' (unchecked), and 'Swap mouse buttons' (unchecked). At the bottom right, there are two buttons: 'Cancel' and 'Add'.

Your Ubuntu instance is ready.