Virtualizing on the M1 Macs

VMware Fusion version

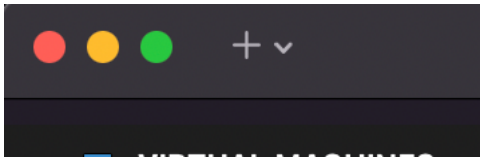
1. Install VMware Fusion from here:

   https://communities.vmware.com/t5/Fusion-for-Apple-Silicon-Tech/ct-p/3022

2. Install the disk image (.vmdk) from here:

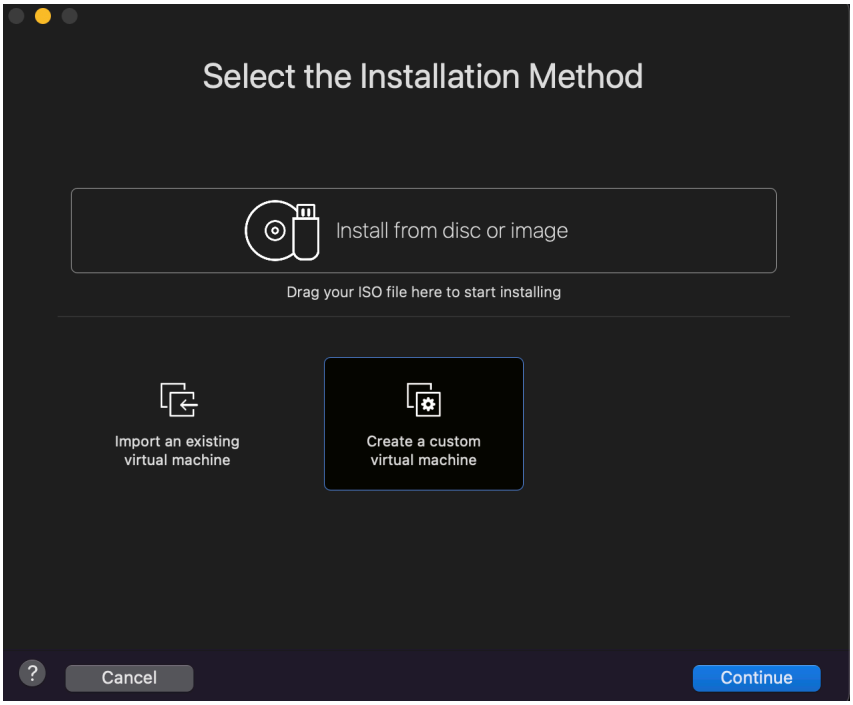
   https://filesender.uninett.no/?s=download&token=7e6c9442-c24e-4668-8e87-a921c1b3eefa

3. Open VMware Fusion, and click the “+”

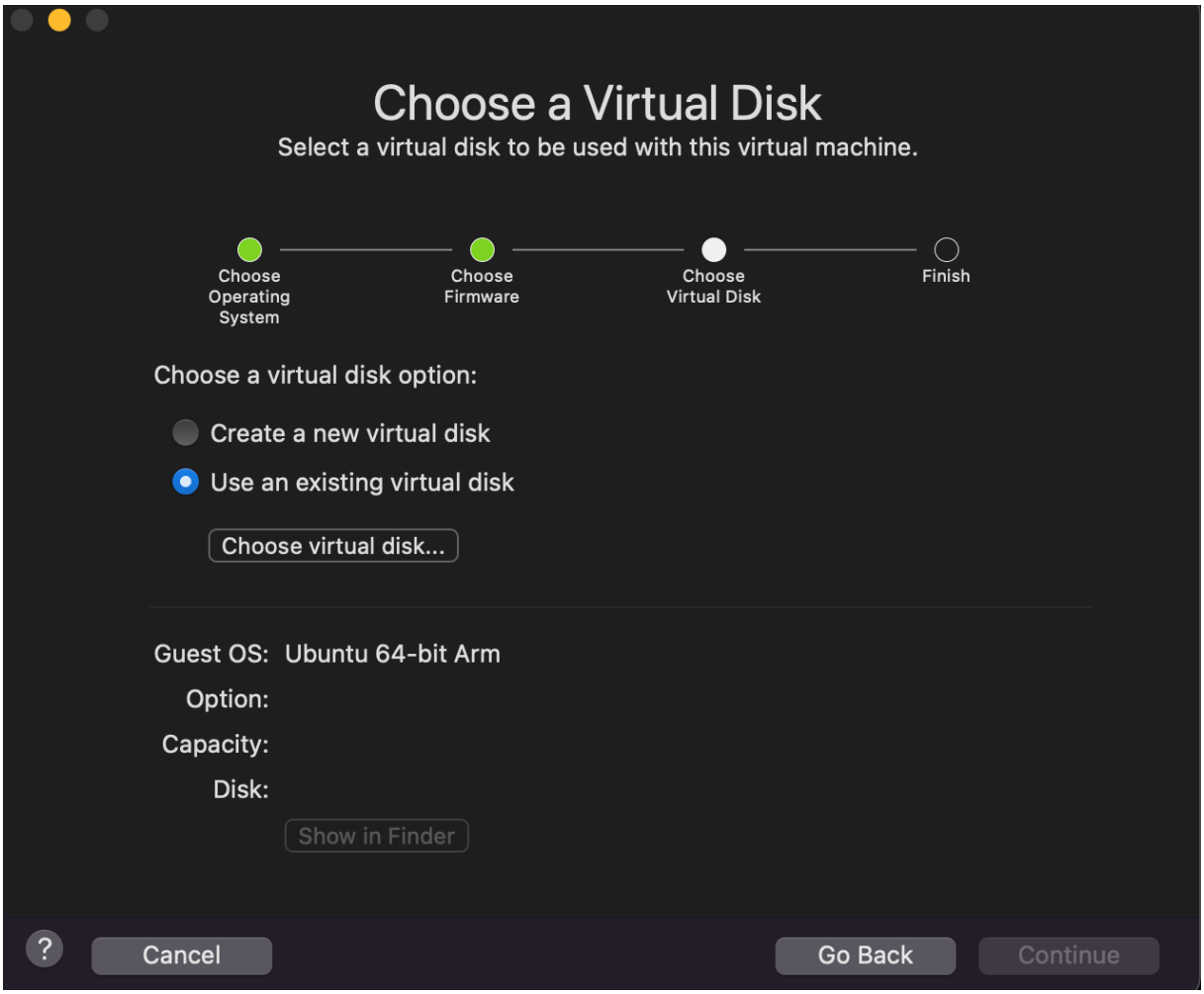
   Choose “new”.

4. Click on “Create a custom virtual machine” and continue.

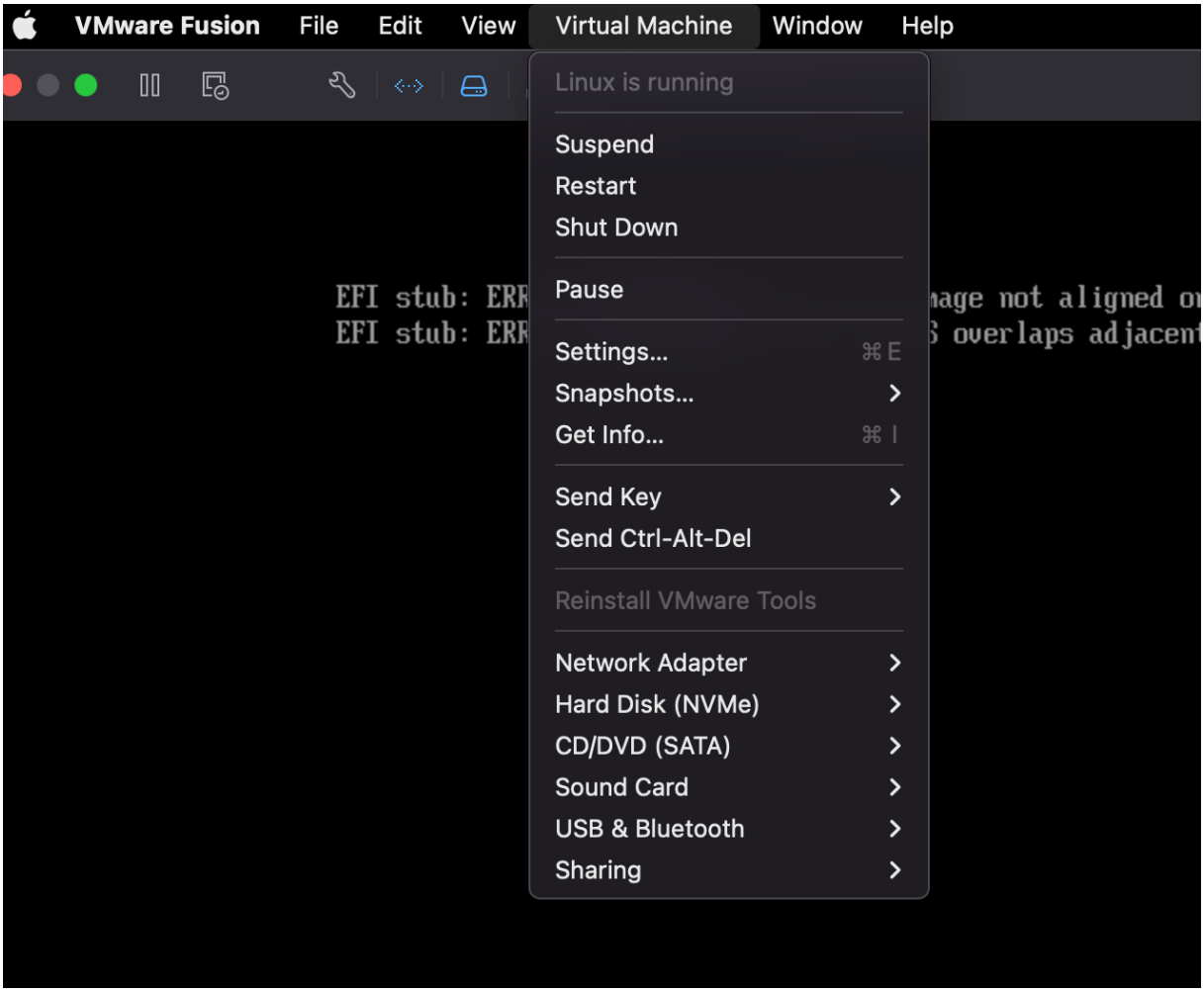
5. Choose “Ubuntu 64-bit Arm” and continue.

6. Click on “Choose an existing virtual disk”

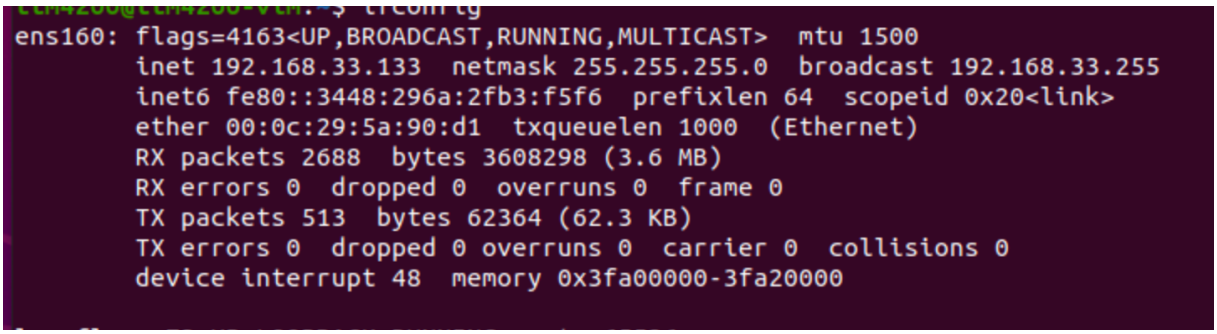


And then “Choose virtual disk…” and choose the vmdk file you installed in step 2. Click continue, and then “finish”.

7. Boot the newly created VM and log in (password: ttm4200). When logged inn, change password (sudo passwd). Then enable shared folders by hovering your mouse to the top of the screen, clicking “Virtual Machine”, and then “Sharing”, and “Sharing settings”. You may need to click on “command”+”control” (cmd+ctrl) to escape the VM and get your mouse out of there.
   (ignore the “Shared folders will not be available in the virtual machine until VMware Tools is installed and running”- message)



8. The shared folder will be available at /mnt/hgfs/. You can create a symlink as shown in the lab pdf (ln -s /mnt/hgfs/shared_folder shared_folder)
9. Since there is no port forwarding enabled, you need to access the server by writing its IP (you can find it by writing “ifconfig”)

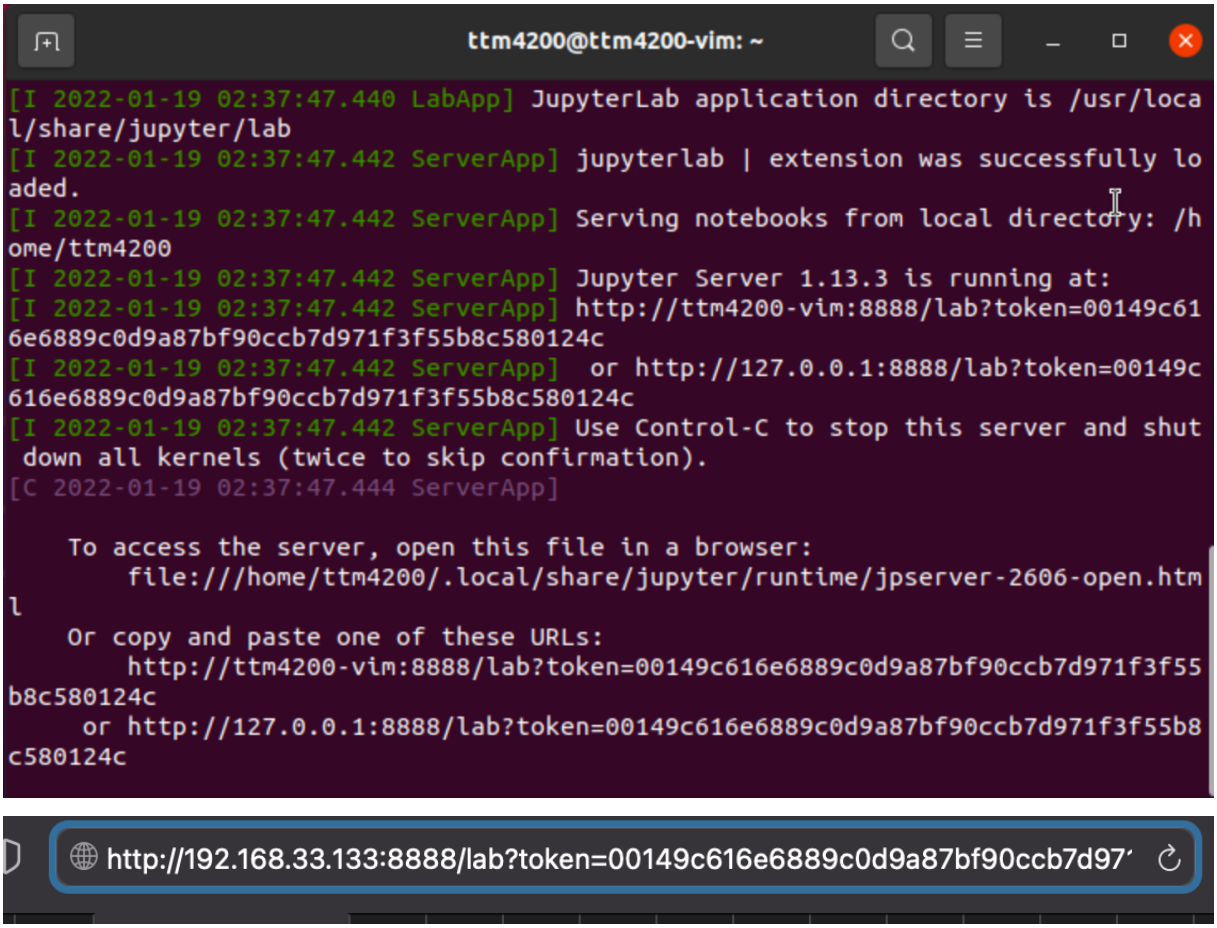


The IP of this VM is 192.168.33.133.

Since there is no portforwaring, you can’t access the jupyter lab by writing:

127.0.0.1:8888.

You need to use the IP. So, you must write: 192.168.33.133:8888



Quick info:

The git repo is already cloned to the VM instance, so you don't need to clone it! (its located in your home folder).

Install docker and set up docker:

sudo apt install docker.io

sudo groupadd docker

sudo usermod -aG docker $USER

sudo reboot

`Try to run:` **docker run hello-world**. If you don't get permission errors, its good.