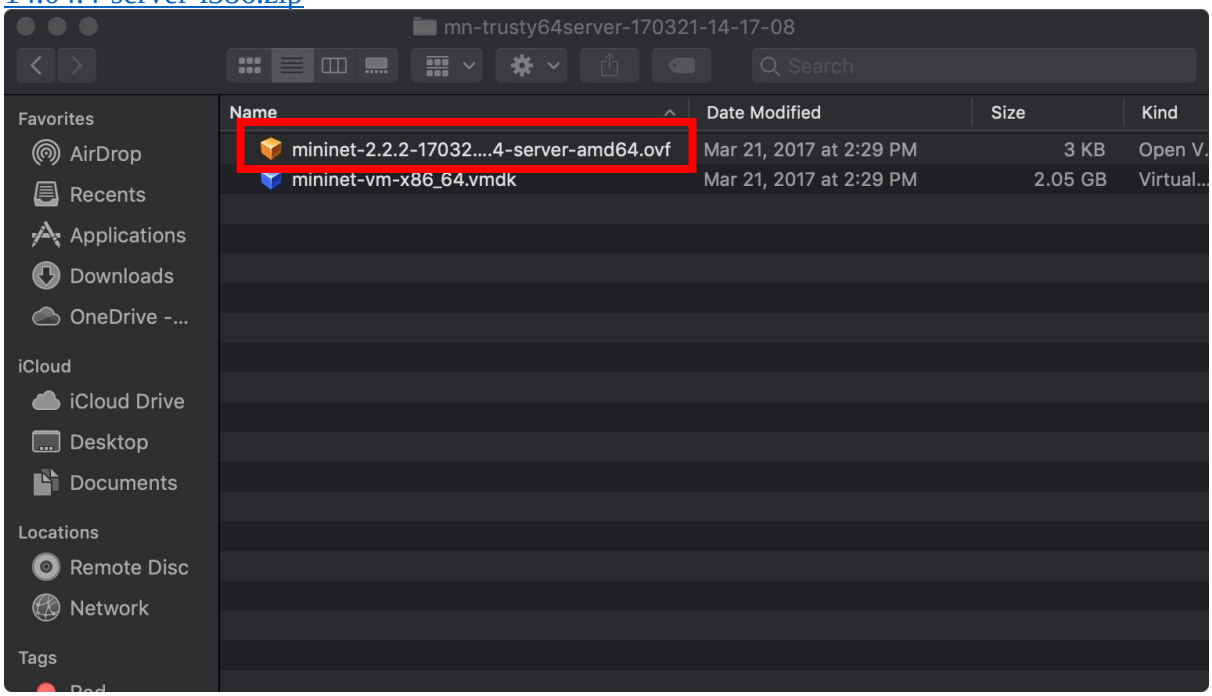
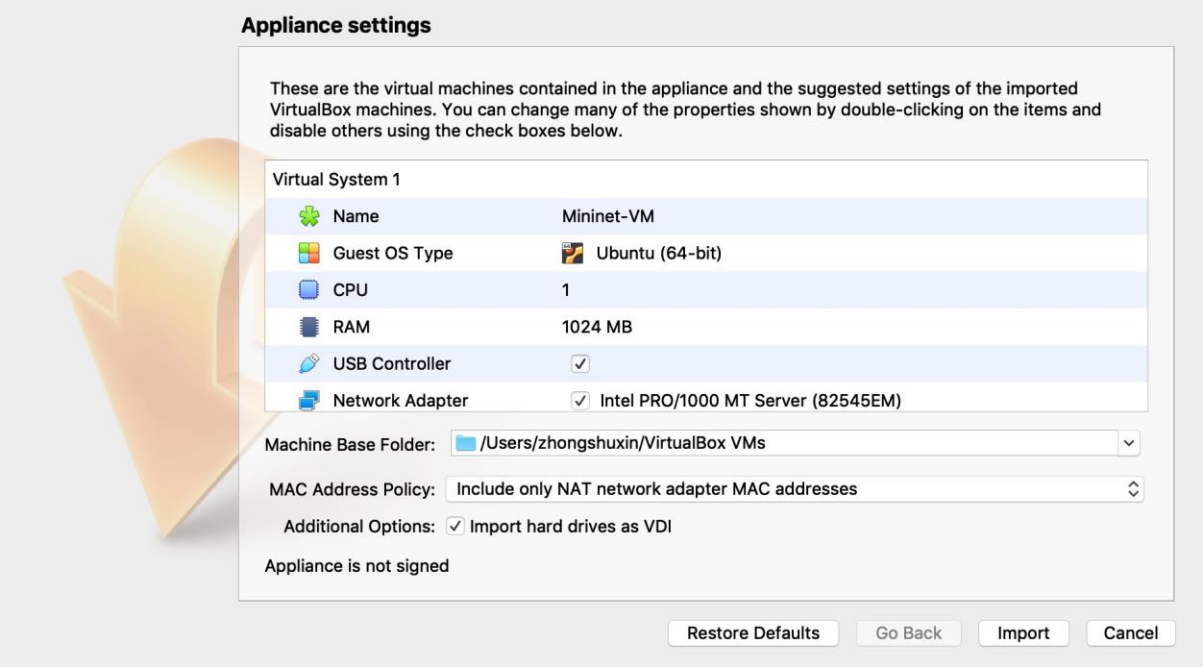
VirtualBox Installation Tutorial

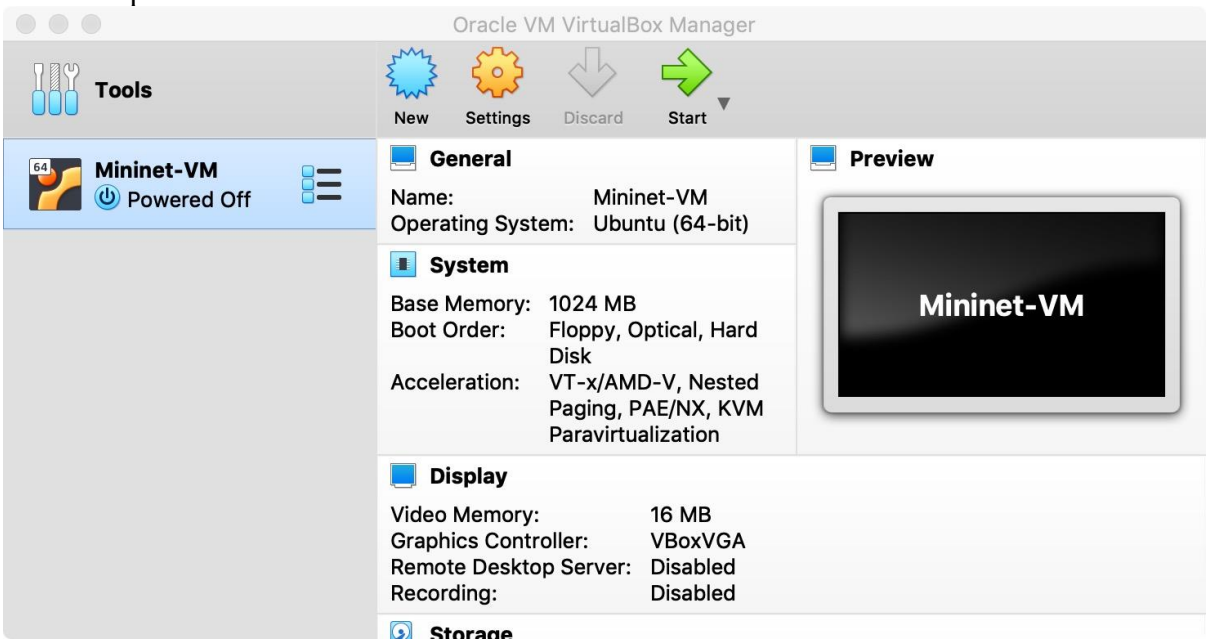
Steps:
(1) Download and Install VirtualBox: https://www.virtualbox.org/wiki/Downloads

(2) Download and unzip mininet:
https://github.com/mininet/mininet/releases/download/2.2.2/mininet-2.2.2-170321-ubuntu-14.04.4-server-i386.zip

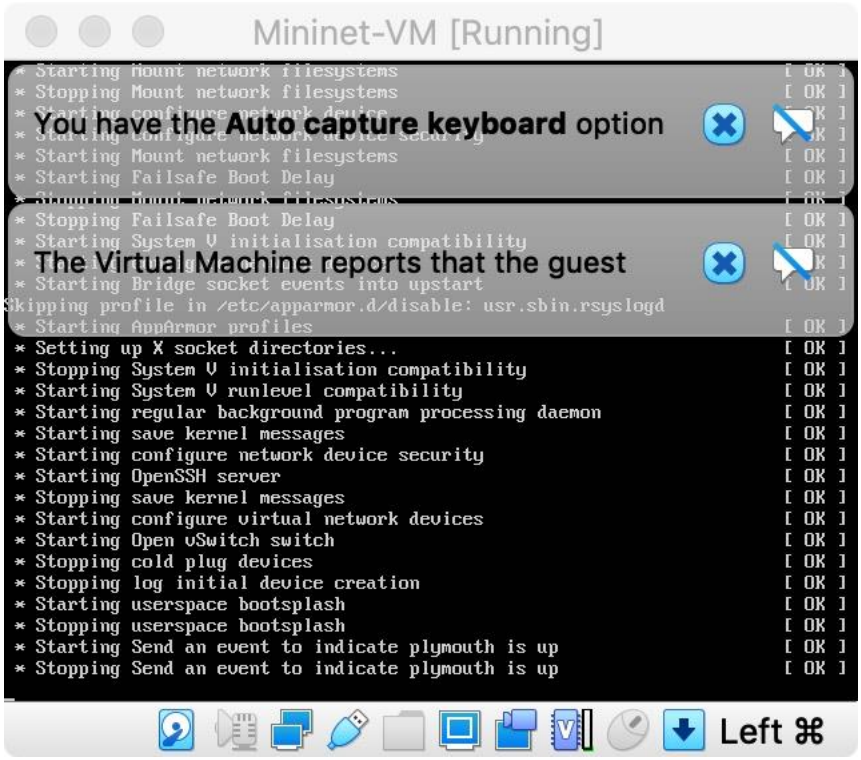




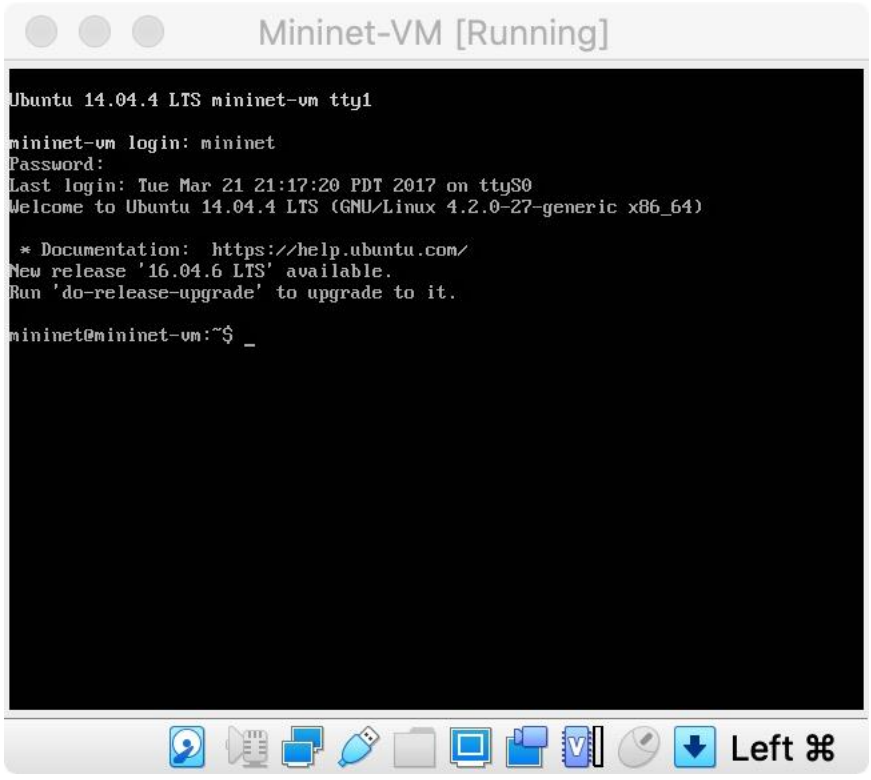
Click “Import”



Click “Start”



After Start:



Login/Password: mininet

[[NOTE: this may be a good time to install **traceroute** inside the virtual machine, as well as **gnuplot** (for the extra credit project. After the following steps, I was unable to connect to the internet from the VM anymore, whereas at this point it was still possible. You can install them with the commands:
sudo apt-get update && sudo apt-get install traceroute
sudo apt-get update && sudo apt-get install gnuplot

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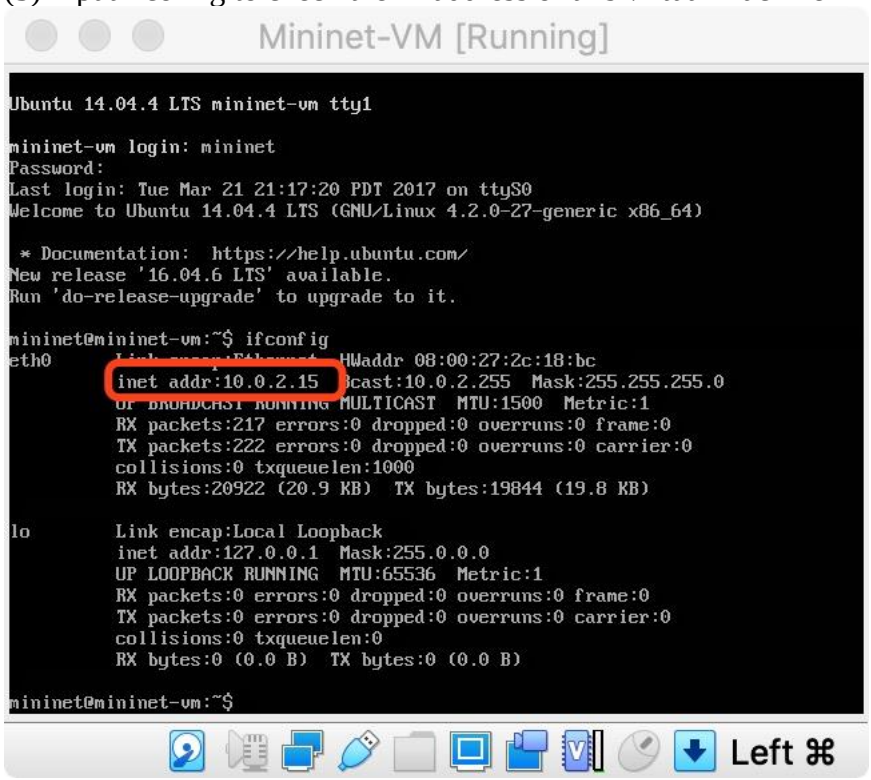
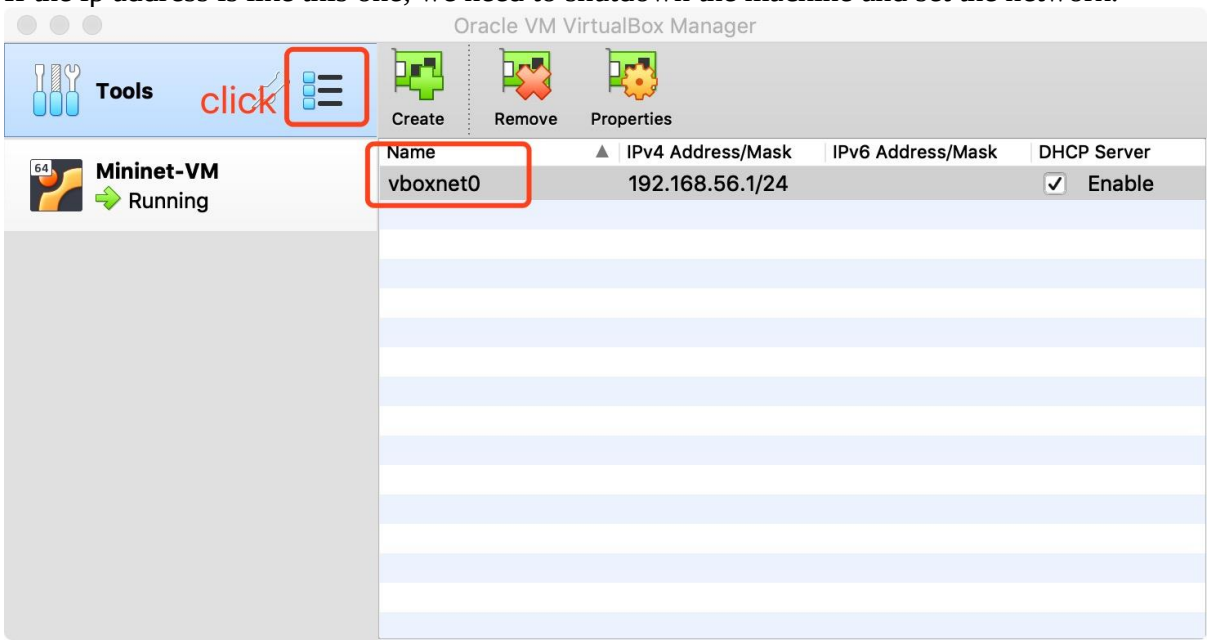
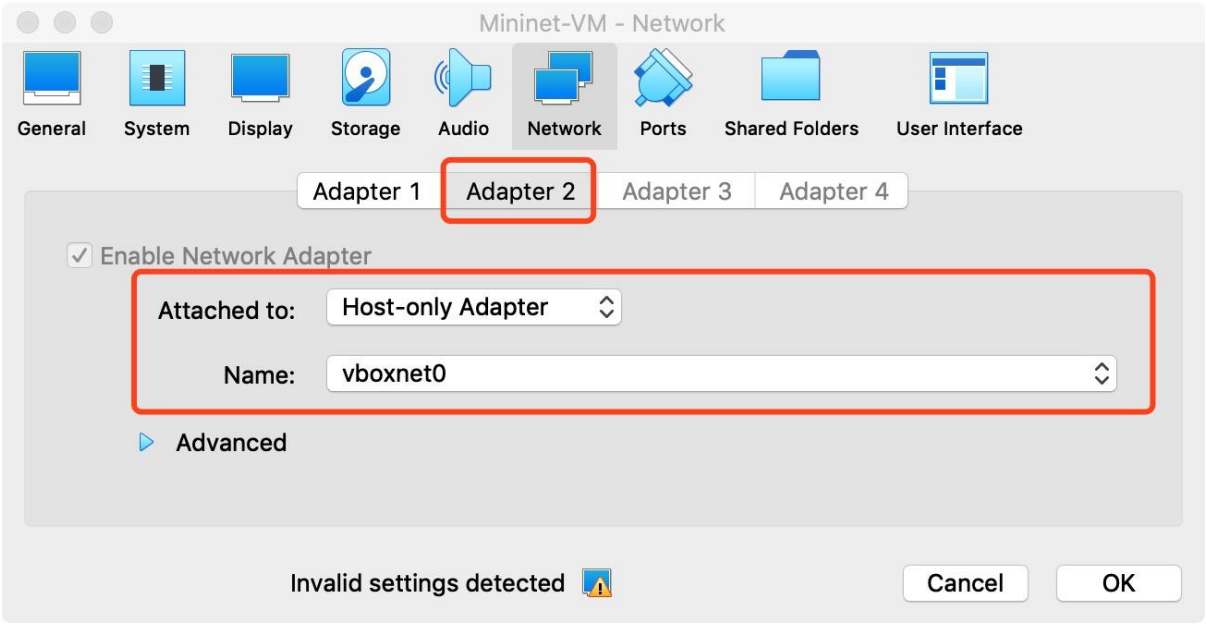
(3) Input ifconfig to check the IP address of this virtual machine



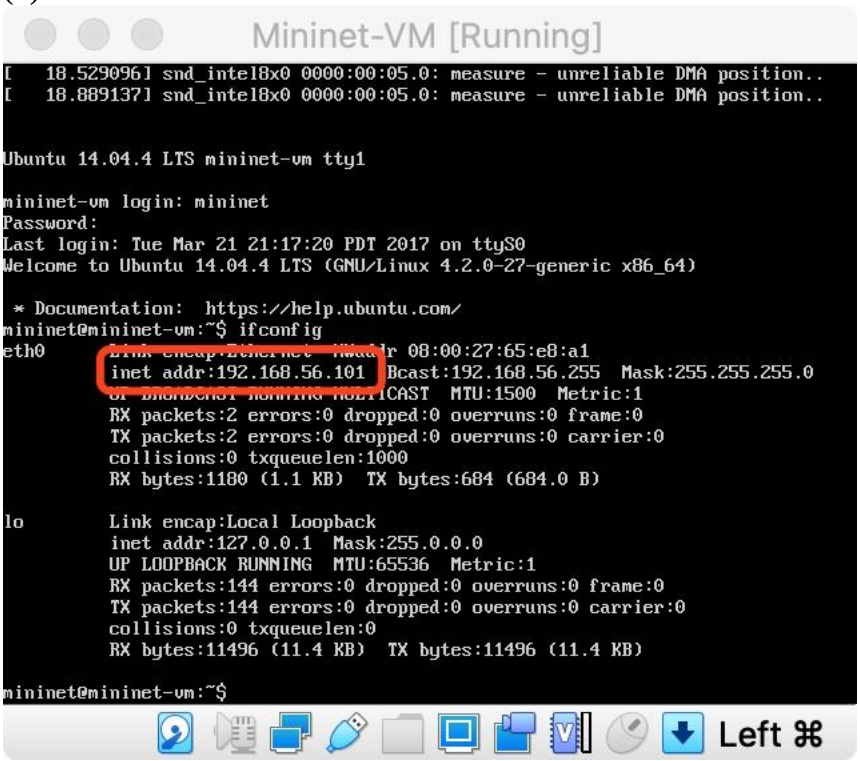
If the ip address is like this one, we need to shutdown the machine and set the network.





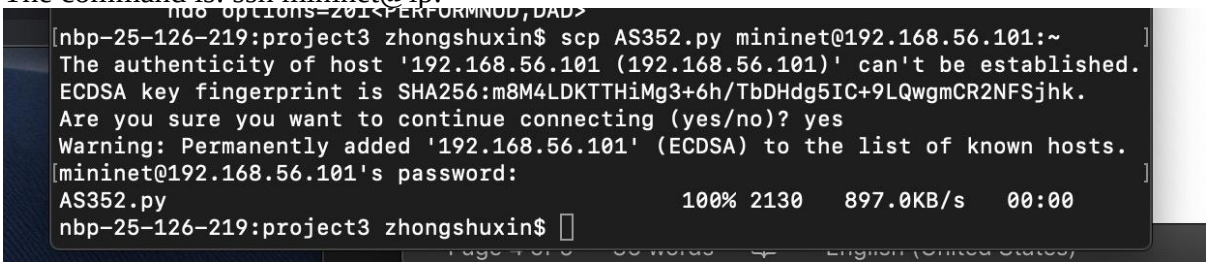
Then restart the machine and input ifconfig again, the ip address will change as shown in the below screenshot.

(4)



(5) in your own computer, open the terminal, and use ssh to transfer the file to the virtual machine.

The command is: ssh mininet@ip:~



(6) mininet must run as root:
The command is sudo python AS352.py