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Assignment 1 - Mininet Setup - Returned

Title	Assignment 1 - Mininet Setup
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Grade	6.0 (max 10.0)

Instructions

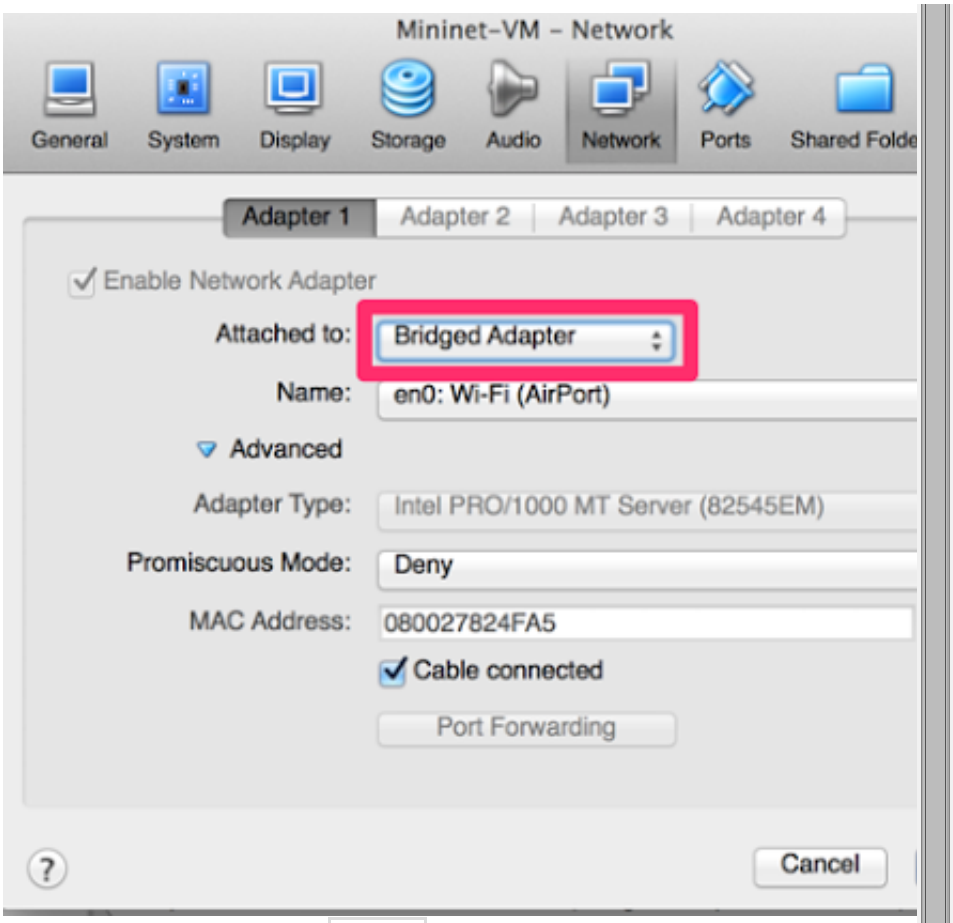
Assignment 1 - Mininet Setup

Goal

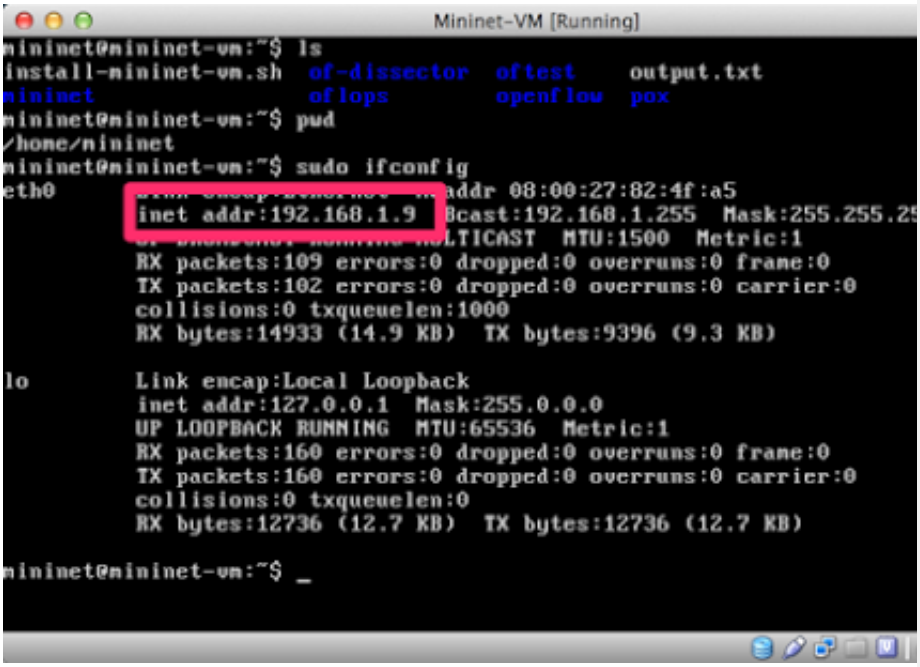
The goal of this assignment is to setup the Mininet virtual machine on the computer you will use for course assignments. Preferably this computer will be the machine with the most memory and fastest processor if you have multiple computers as some assignments will take a few minutes to run.

Directions

1. Download and install the latest Virtualbox for your platform. You can find Virtualbox here.
2. Download the latest Mininet virtual machine image here (64bit). The download is ~1GB in size so be patient with the download and if possible, connect your computer to the Internet via a wired connection. If the download is especially slow, setup your computer to download the image overnight.
3. In Virtualbox select `File -> Import Appliance` and select the `.ova` you just downloaded. Virtualbox will show you the VM settings and you can then click `Import`.
4. Next, setup a bridged network by selecting the VM in the left side bar and then `Settings -> Network` and ensure that `Adapter 1` is enabled and attached to a `Bridged Adapter`. Once you've ensured this, close the settings dialog.



5. Start the VM by clicking `Start`.
6. Log in to the VM using `mininet` for the username and password.
7. Type `sudo ifconfig` on command line. This will display the IP addresses of the connected network interfaces. Note if you have trouble with this step try the instructions under "Setup Network Access" here.



8. Open a terminal on your desktop (Terminal on Mac OSX, Putty on Windows and xterm on Linux) and

type `ssh mininet@ip_address` where ip_address is the IP address under the `eth0` output from the ifconfig command. Use the password `mininet`.

9. Now we will run a test to ensure Mininet is working correctly. Type `sudo mn --test pingpair`.
10. Copy and paste the output from the command line into a text editor named 'assignment-1.txt' and submit via T-Square.