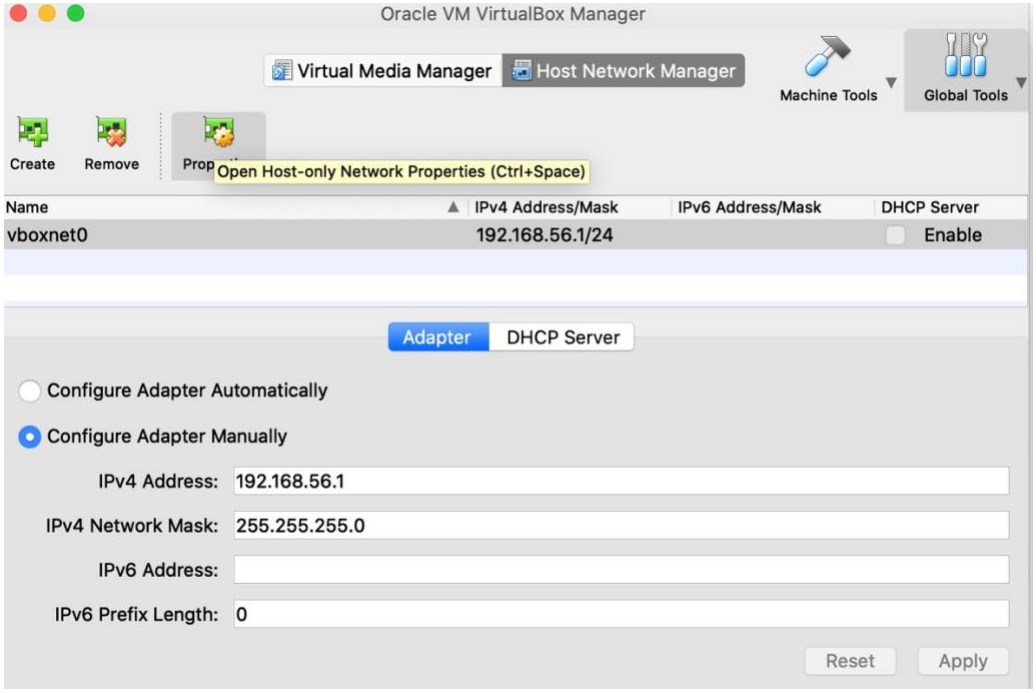
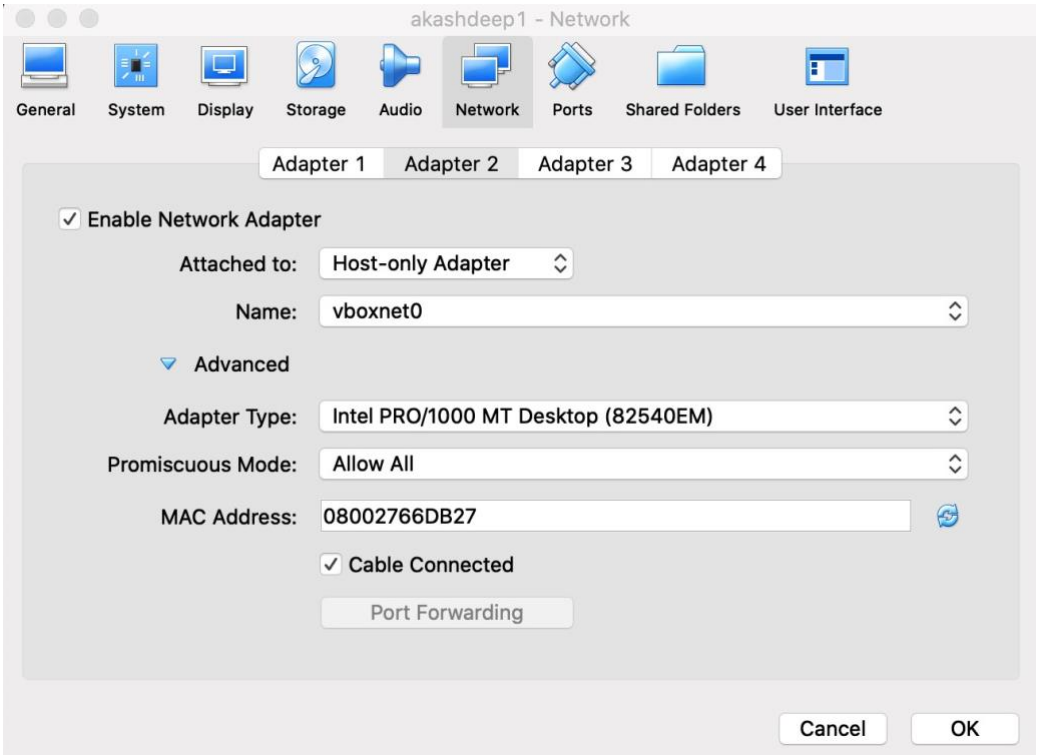
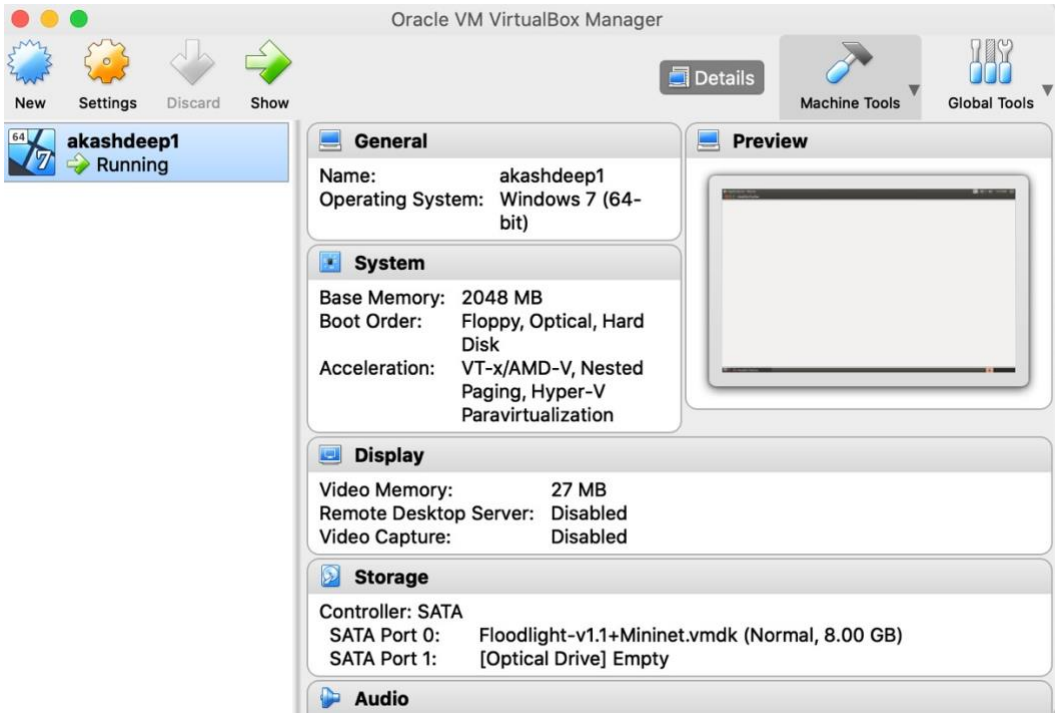
Step1:
Made a new network adaptor (Host-only) with promiscuous mode as Allow all in Virtualbox for out downloaded virtual hard drive that has floodlight and Mininet preinstalled.



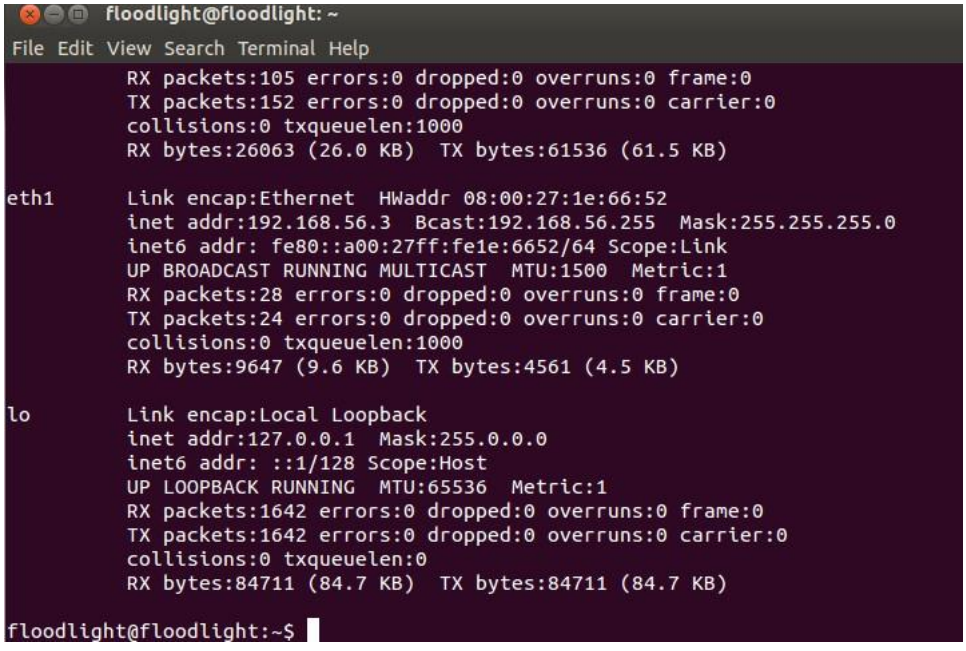


Step 2:

Start the linux machine. Machine has only one user floodlight with password as floodlight

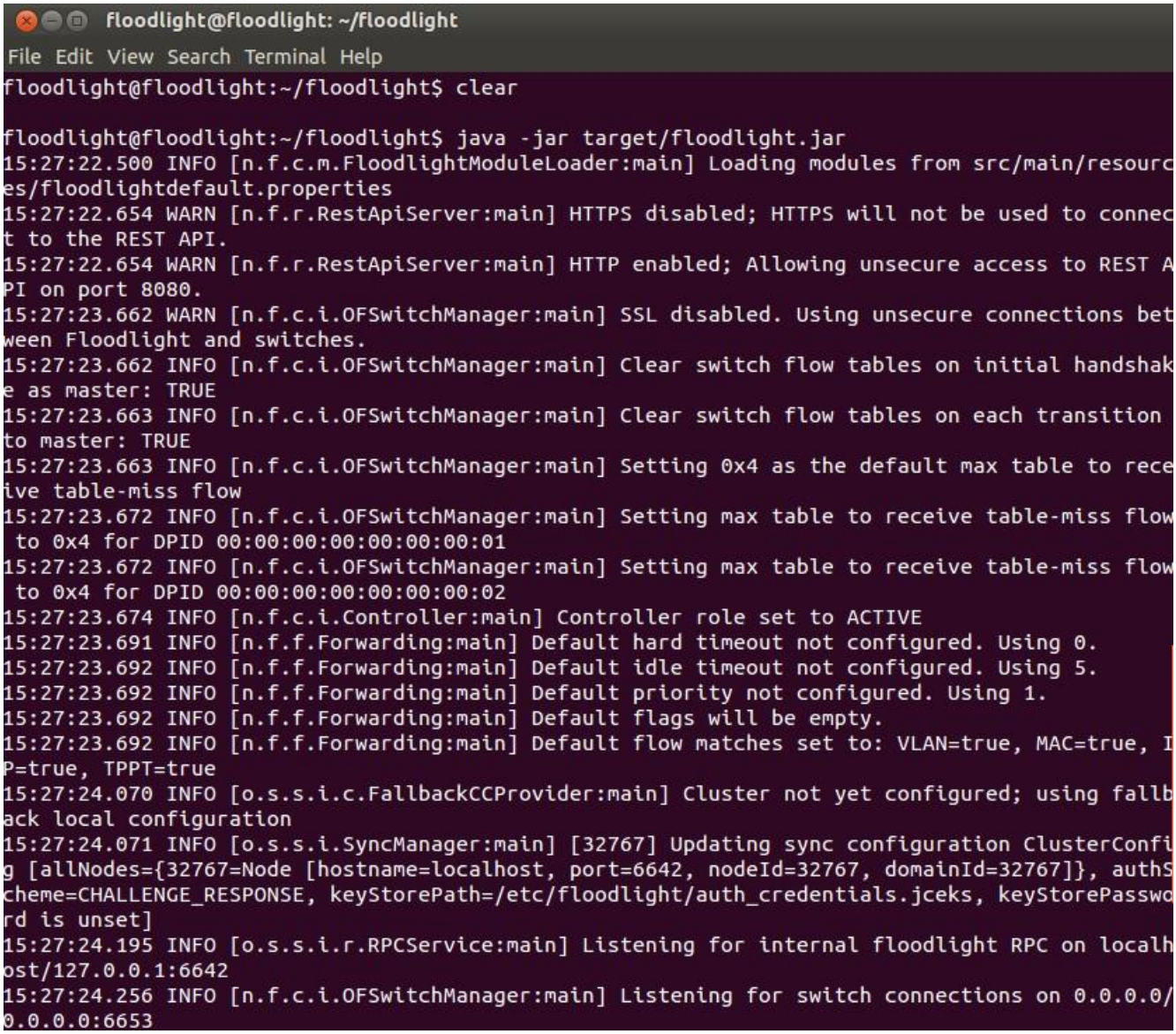


Step 3:
Open Terminal on linux machine and perform the command ifconfig. Our host-only adaptor (eth1) has the ip 192.168.56.3



Step 4:
Compiling and running floodlight. We use the commands in sequence.
$cd ~/floodlight
$ant
$java -jar target/floodlight.jar

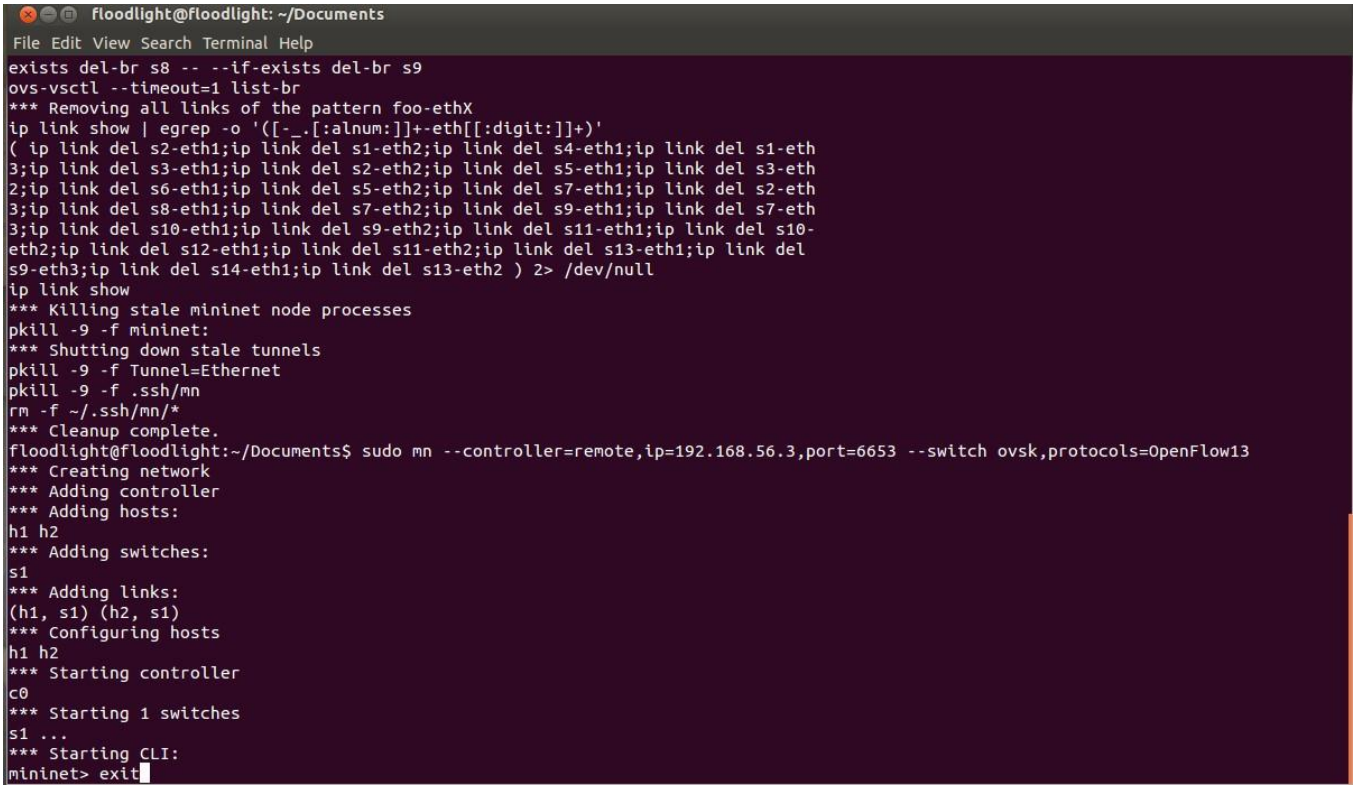
The floodlight service starts running.



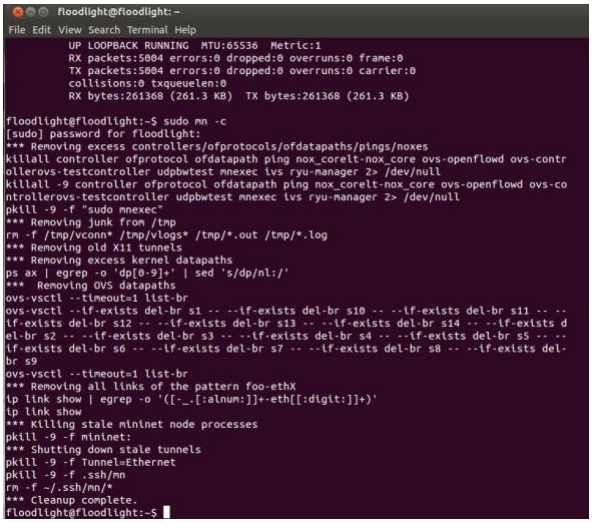
Step 5:
Open a new terminal and run the following command:

$sudo mn --controller=remote,ip=192.168.56.3,port=6653 --switch=ovsk,protocols=OpenFlow13

Now our floodlight controller is set at ip 192.168.56.3 and port=6653



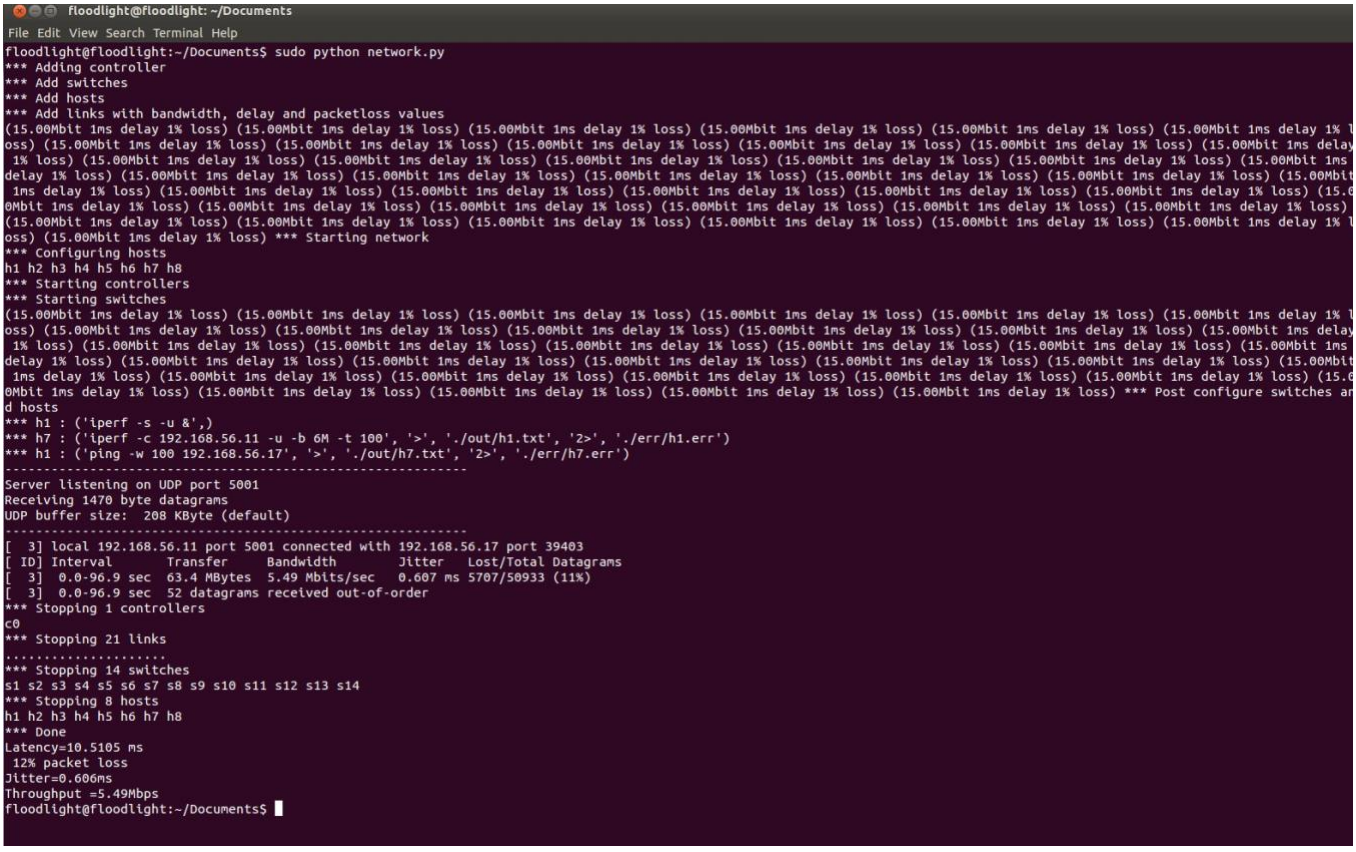
Step 6:
Remove all previous mininet related adaptors with the command:
sudo mn -c



Step 7:
The python file is stored in Documents with name network.py. So, we type the following command to change directory to Documents:
$cd ~/Documents

Step 8:
Create folders cap, err and out in Documents

Step 9:
To compile and run the file we type the command:
$sudo python network.py



Note: h1 is set at ip 192.168.56.11 and h7 is set at ip 192.168.56.17 according to network.py

Running this, we get:
Latency=10.5105ms
12% Packet loss
Jitter=0.606ms
Throughput =5.49Mbps