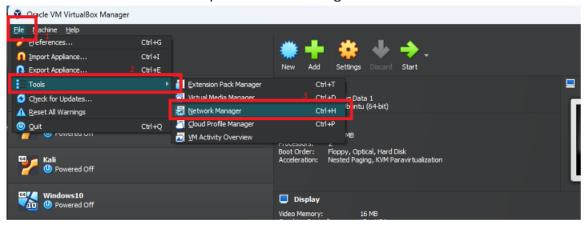
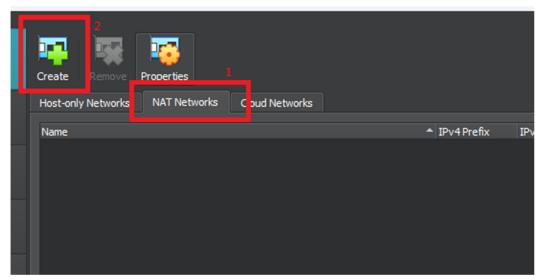
i. Please launch VirtualBox and open Network Manager:



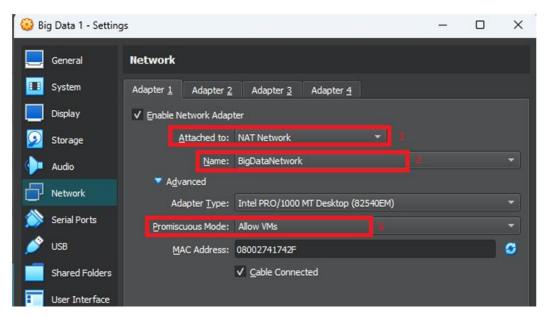
ii. Then select NAT Networks, and press create... This will give you a NAT Network called 'NatNetwork'



iii. Then for each of your VMs you need to click on Settings,



iv. Then go to network, then adapter 1, then Attached to... Set this to 'NAT Network', and check that allow VMs is checked under promiscuous mode:



v. Then click on OK and repeat the last couple of steps for the other VM.



Part 2: Spark cluster launching

i. For two VMs, open terminals and use

ifconfig

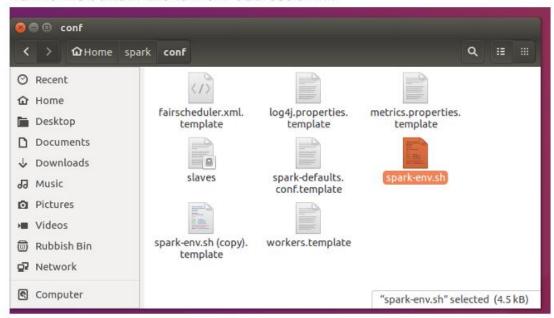
to get the IP address for each VM

ii. Use

sudo gedit /etc/hosts

command to open the hosts file and change the IP addresses for both m1 and m2, for BOTH virtual machines

iii. In m1, find the file—spark-env.sh (as below) and change the IP address at the next to the bottom line to the IP address of m1



iv. Direct to the spark folder using

cd spark

and initializing the spark cluster consisting of m1 and m2 by executing:

./sbin/start-all.sh

v. Now please open the web browser at m1 and enter the following:

http://m1:8080/

to view the Spark cluster

>>>pyspark --master spark://:7077