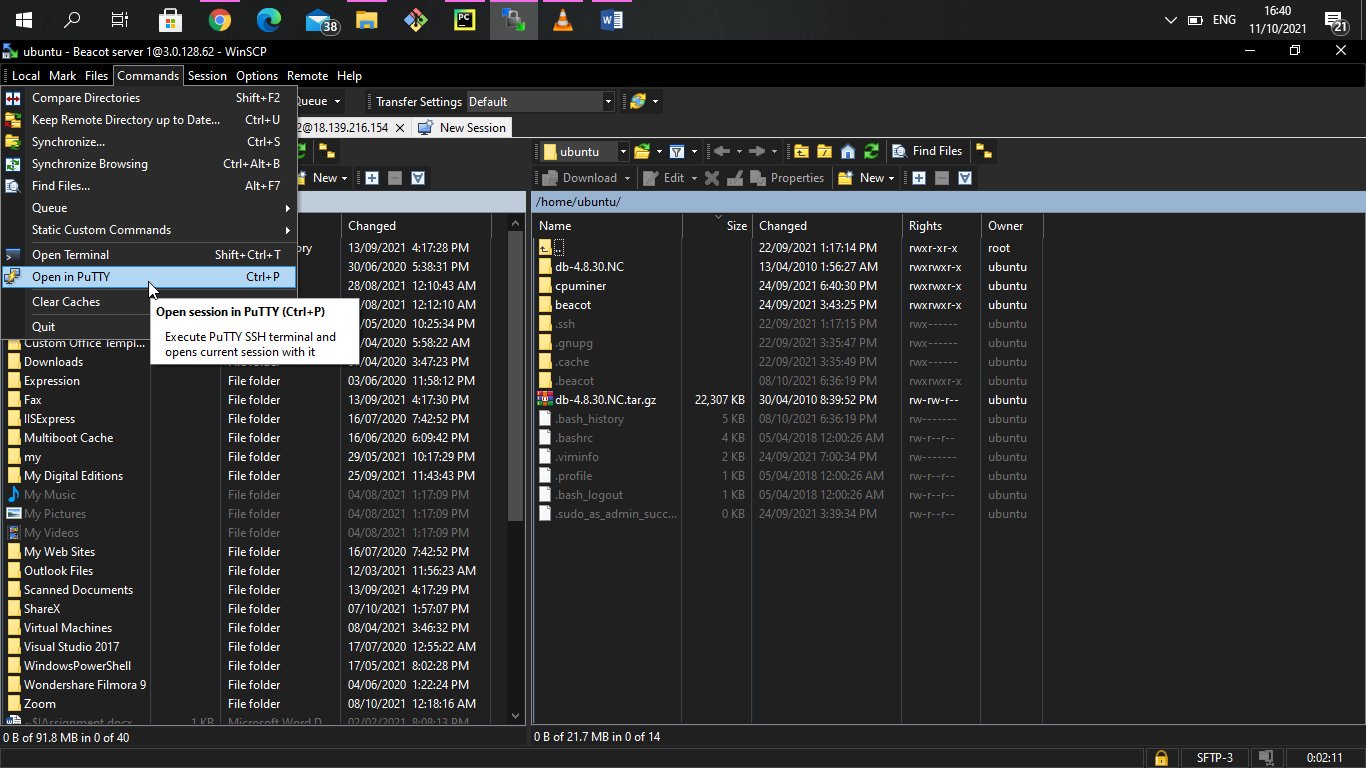
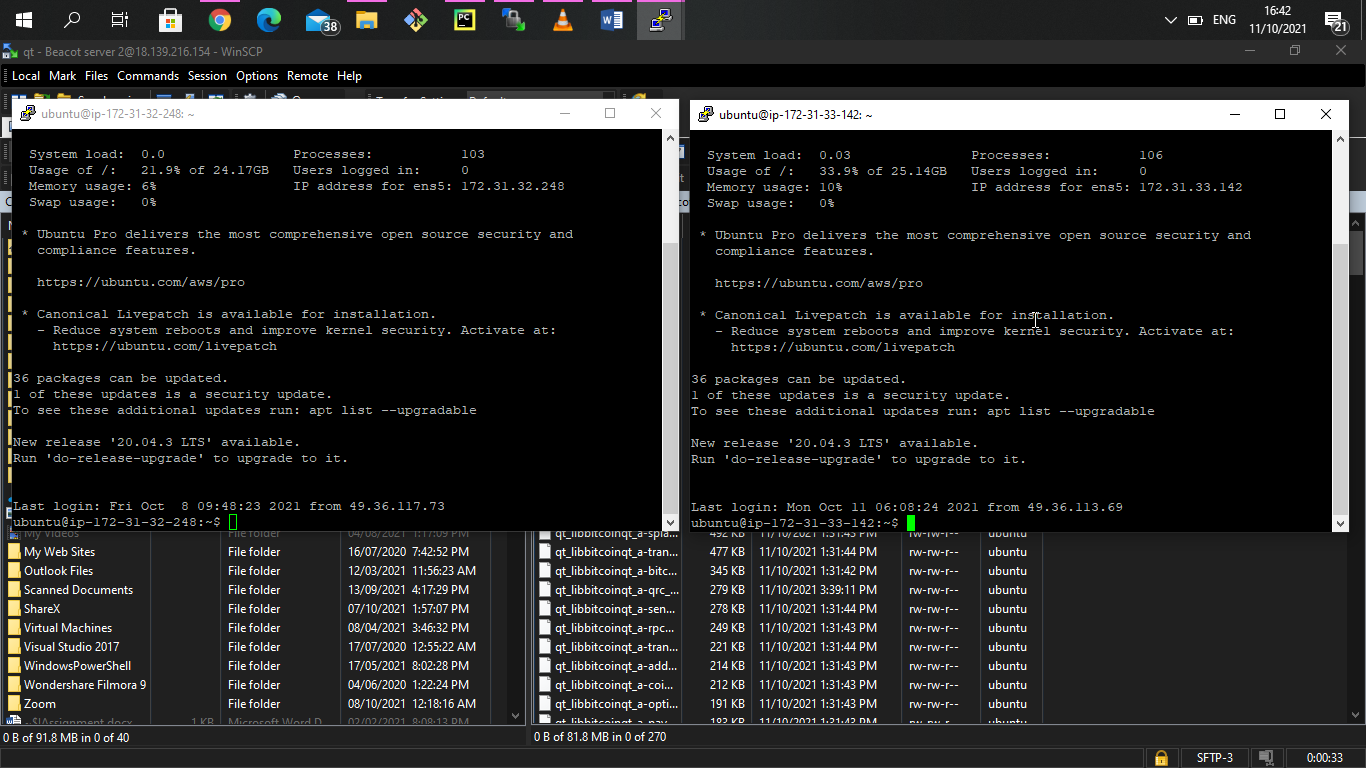
**How to mine coin**

* **Solo Mining**

1. For solo mining we need at least 2 servers/nodes. Open winSCP then click on commands=>open in putty.(do this for both servers/nodes)



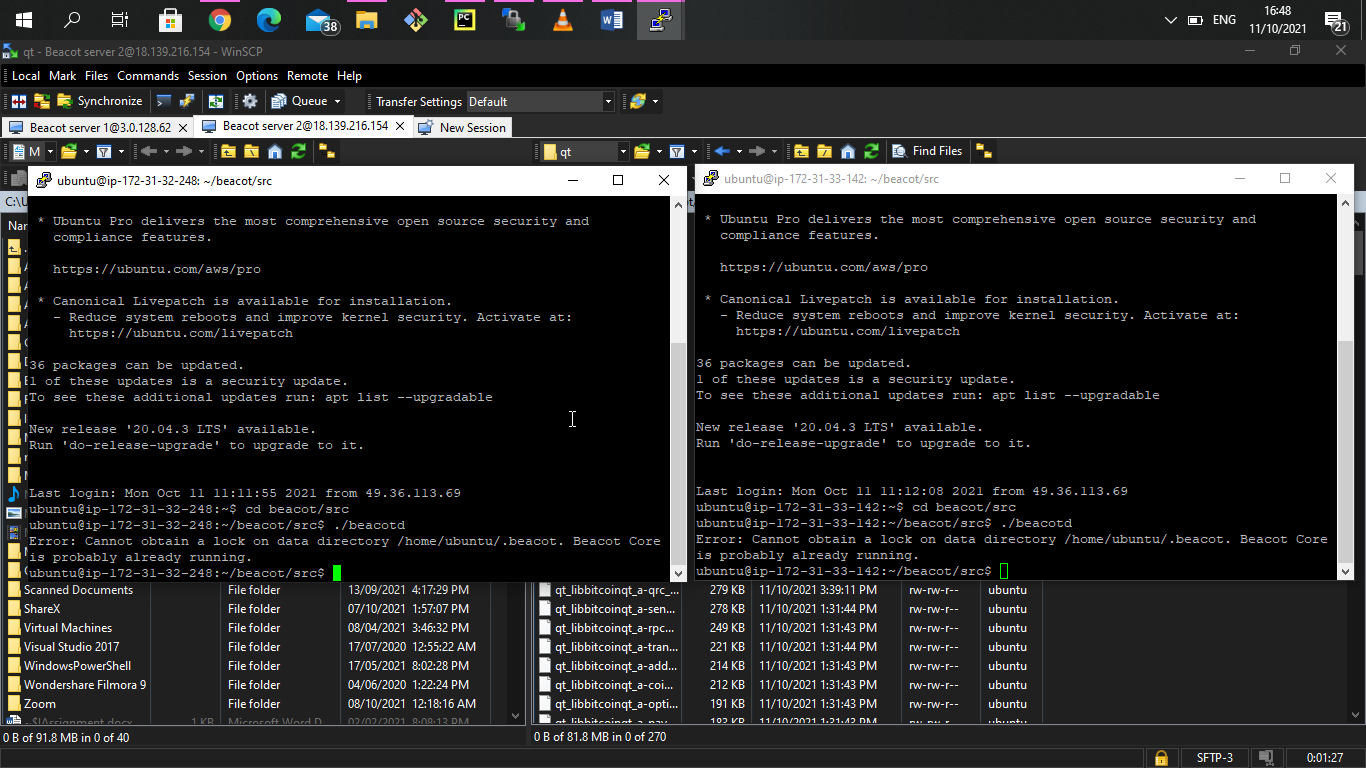
1. Both servers are open now



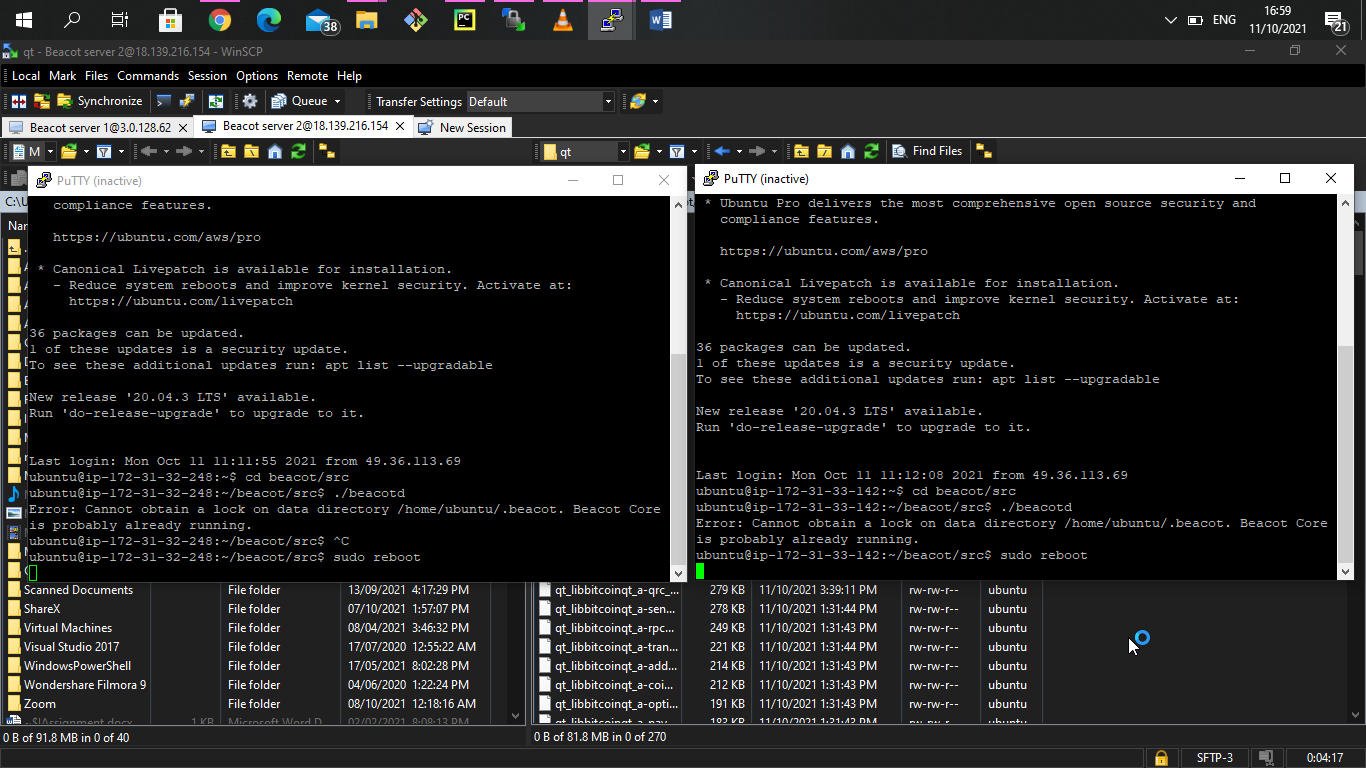
1. Now run our coin server(beacot server)

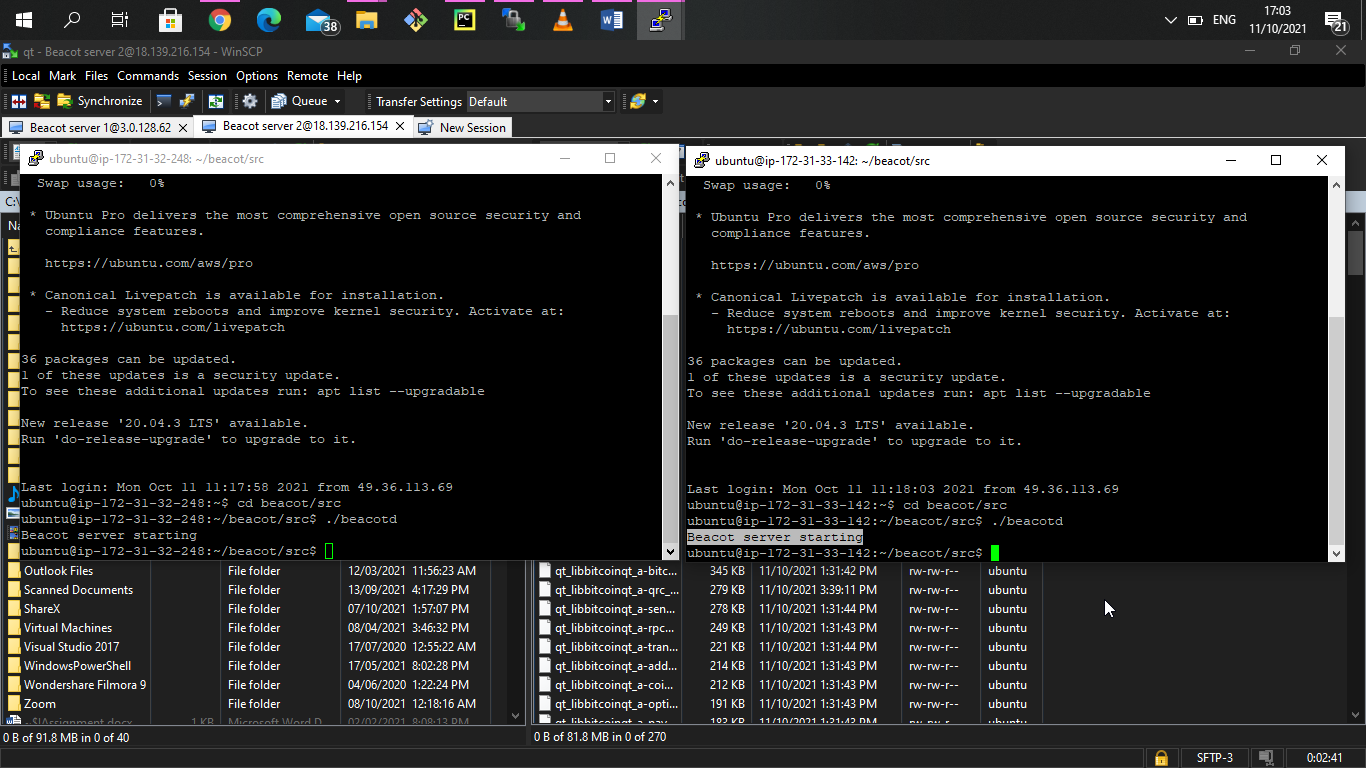
Type command “cd beacot/src”and then “./beacotd”

Now there is error “Error: Cannot obtain a lock on data directory/home/ubuntu/.beacot. Beacot Core is probably already running.”



1. To remove this error we need to restart servers so run command “sudo reboot”



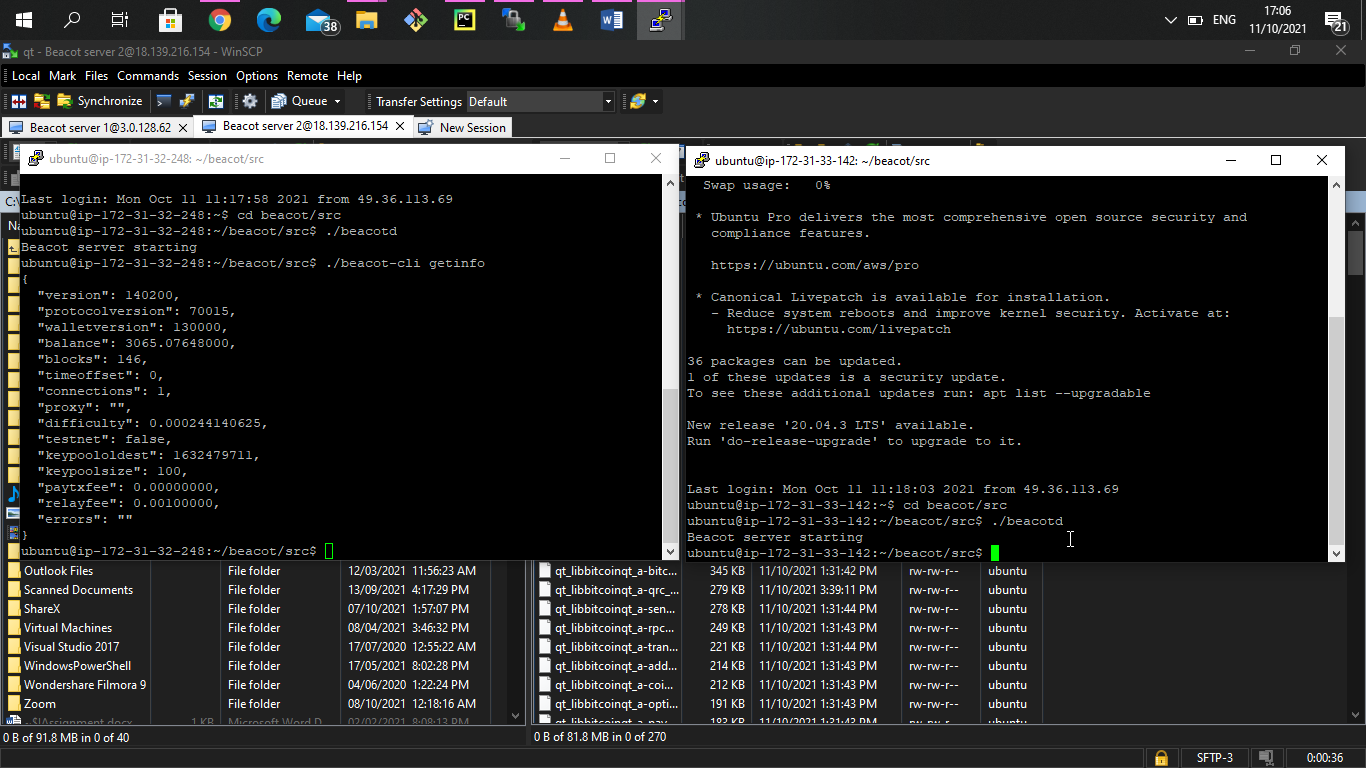
After this follow step 3 again. Expected OP

1. Now type command in first server “./beacot-cli getinfo”

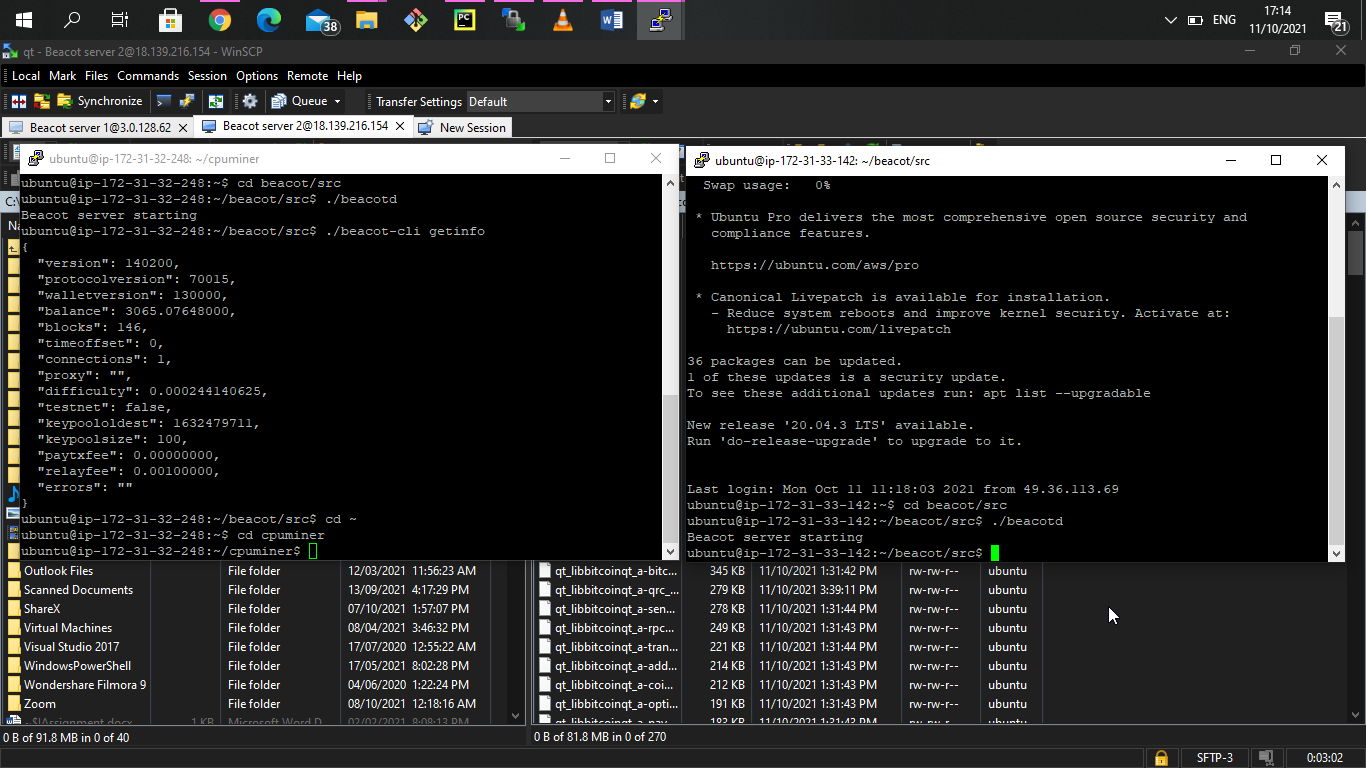
It will show you information about server/nodes and coin.

Here connection must be 1 or more because there 2 servers with same port so they are sync with eachother.

It is showing total blocks ,total balance,difficulty level.



1. Now type “cd ~” and “cd cpuminer” in server one only

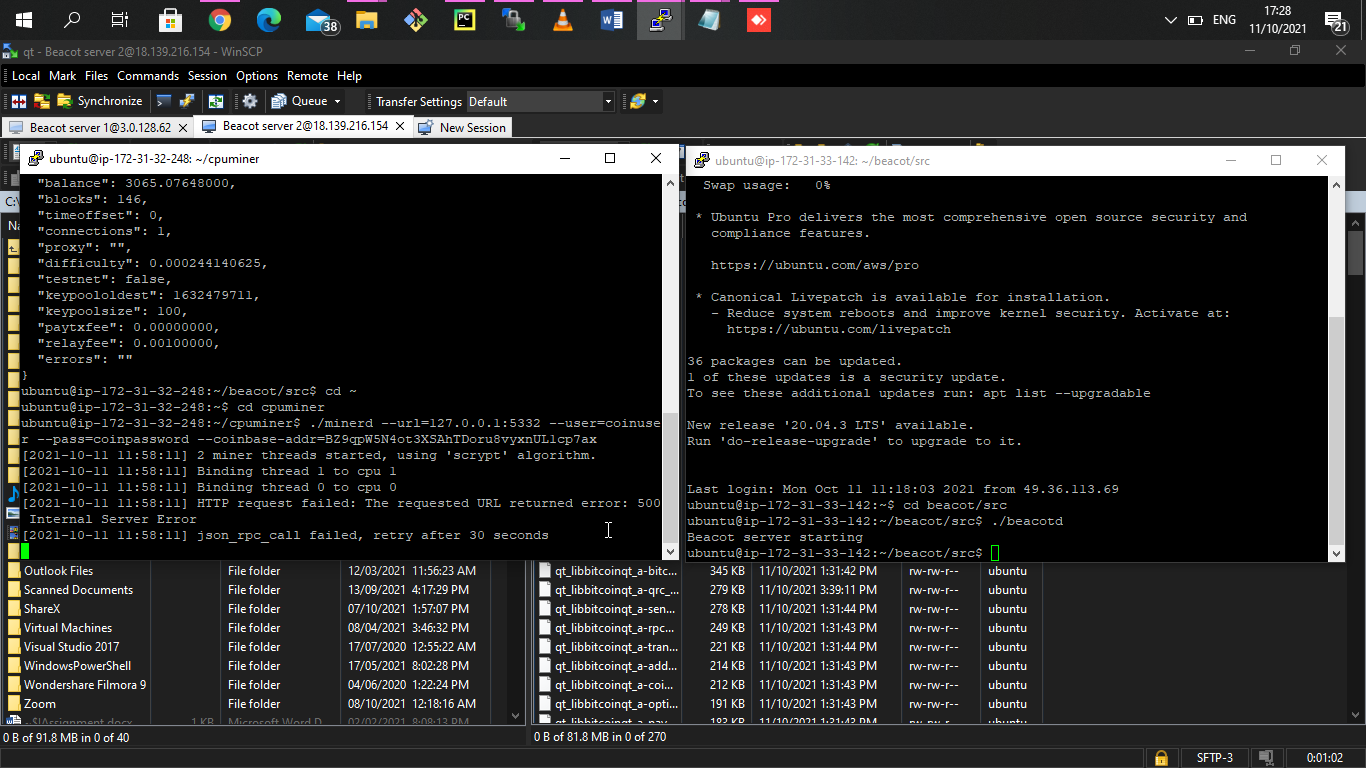


1. Now we have to create command to mine our coin

“./minerd --url=#COIN\_SERVER:#COIN\_PORT --user=#USER\_OF\_COIN --pass=#PASSWORD\_OF\_COIN --coinbase-addr=#ADDRESS\_WHERE\_MINE\_REWARD\_WILL\_GO”

Our command:

./minerd --url=127.0.0.1:5332 --user=coinuser --pass=coinpassword --coinbase-addr=BZ9qpW5N4ot3XSAhTDoru8vyxnUL1cp7ax



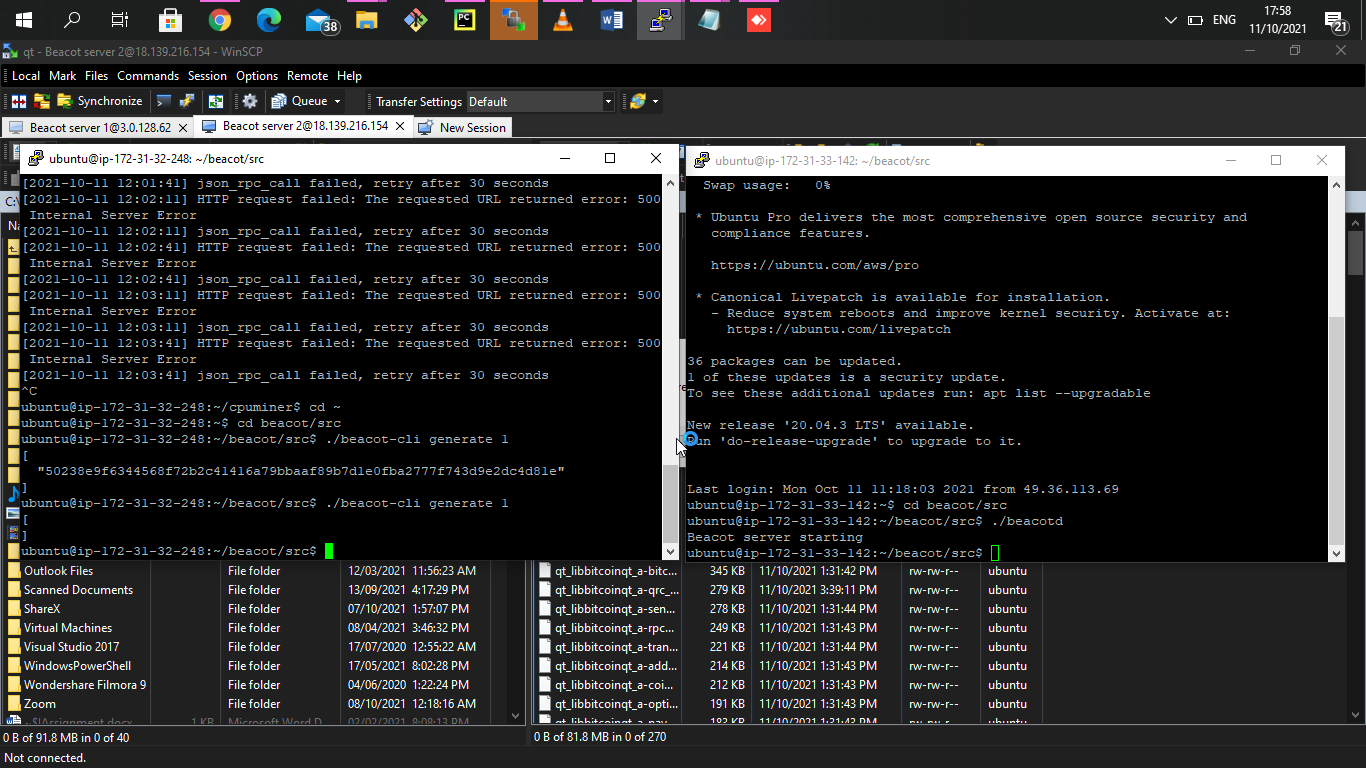
We got an error 500 this is beacause we have not generated block from long time.

1. To generate block run command

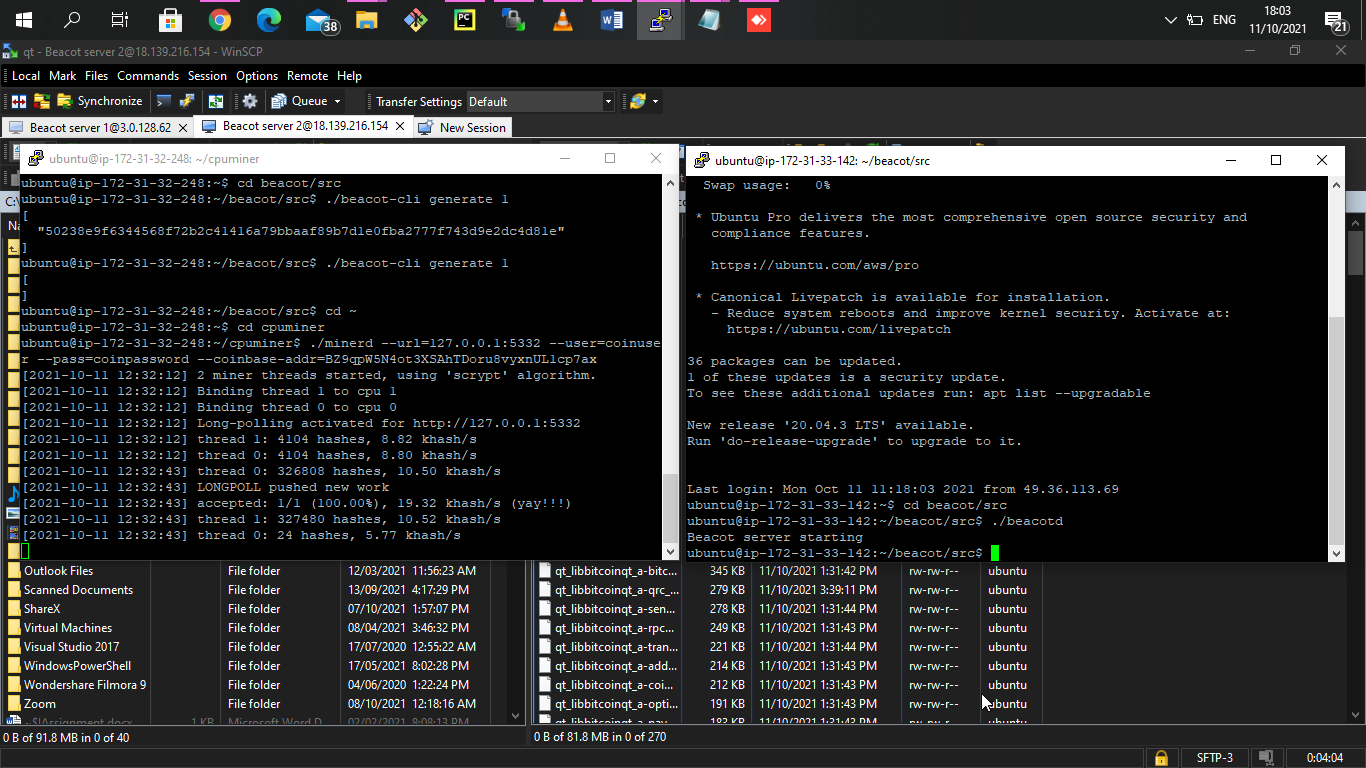
“cd ~” then “cd beacot/src”

Then “./beacot-cli generate 1”

It will create one block and shows us a hash if Hash is showing in putty then re-run “./beacot-cli generate 1” this command



1. Now our block is generated . Follow steps from step 6. Hence solo mining is started.



* **Pool Mining**

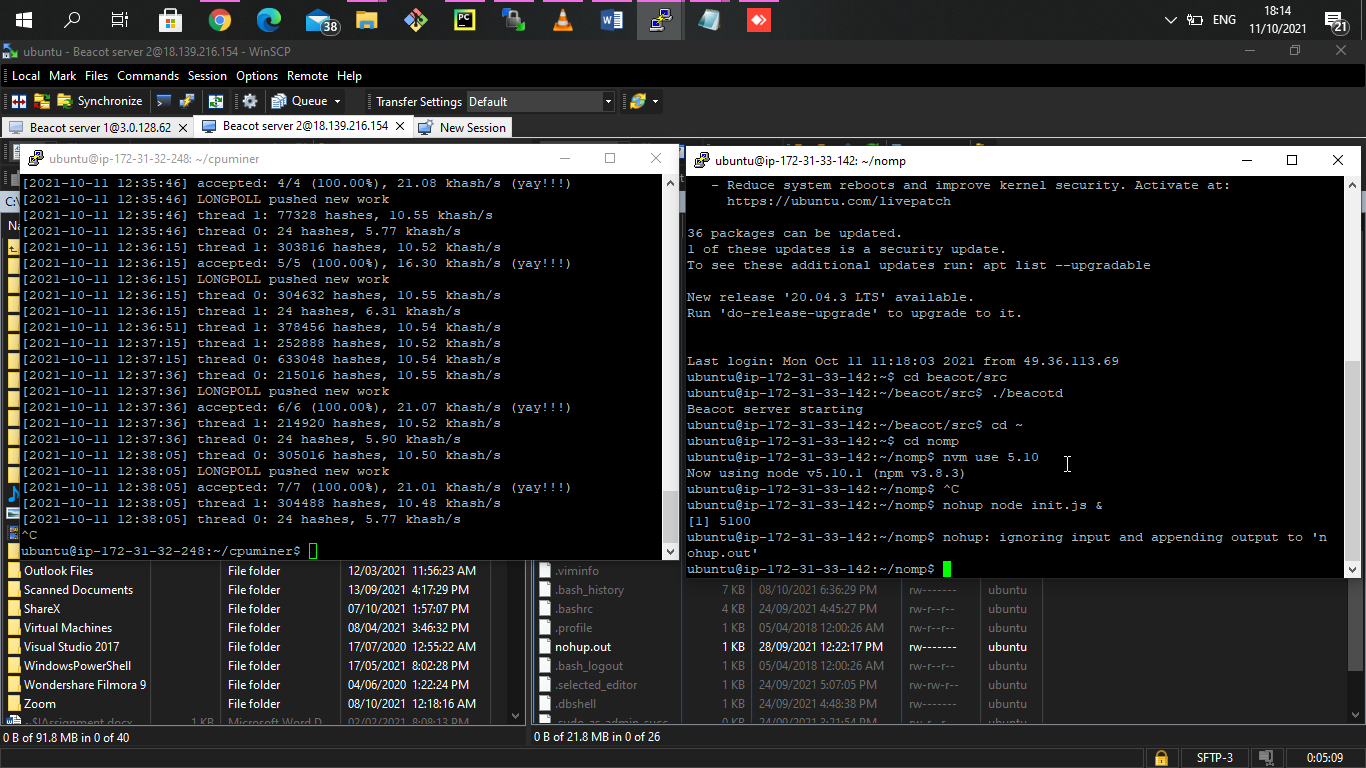
1. To start pool mining we need pool for that follow steps from 1 to 5 of solo mining

Then open second server putty

Type command “cd ~” then “cd nomp”

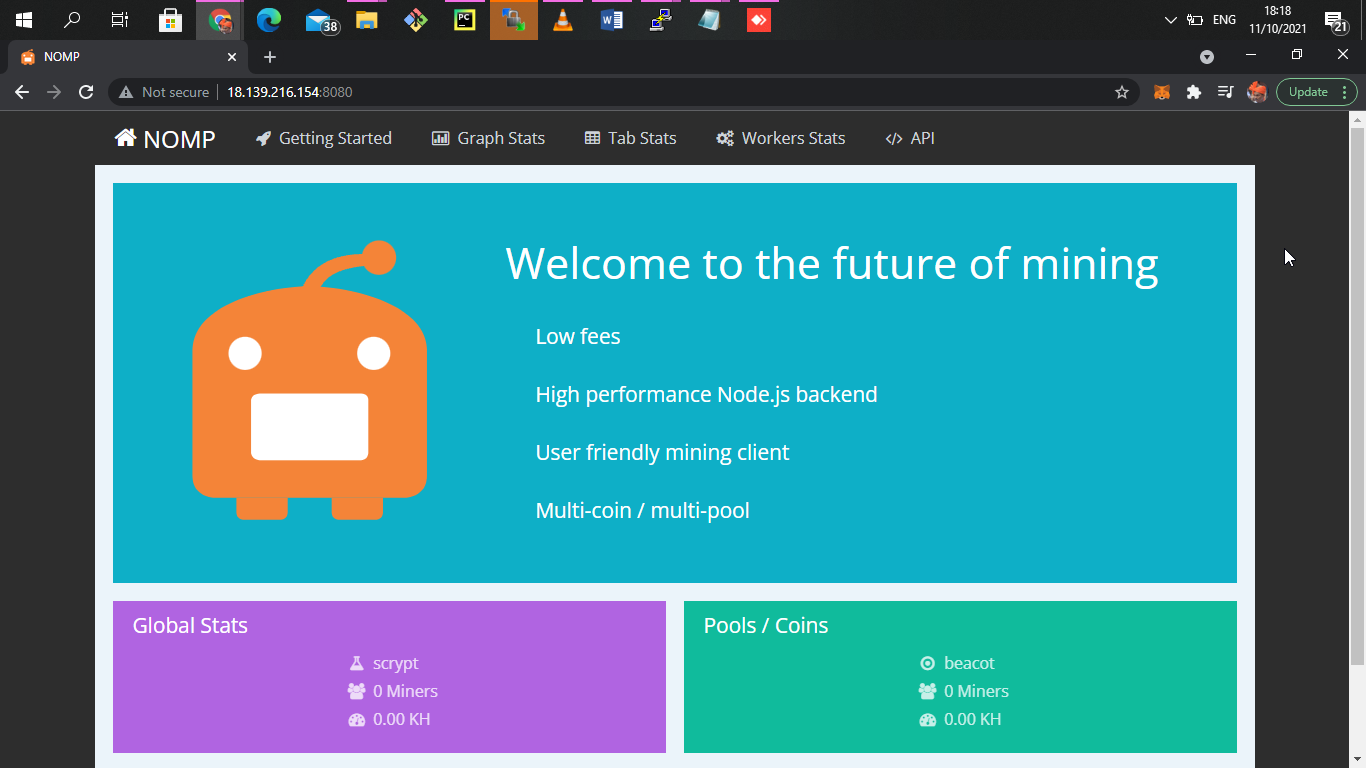
Then “nvm use 5.10”

Then “nohup node init.js &”

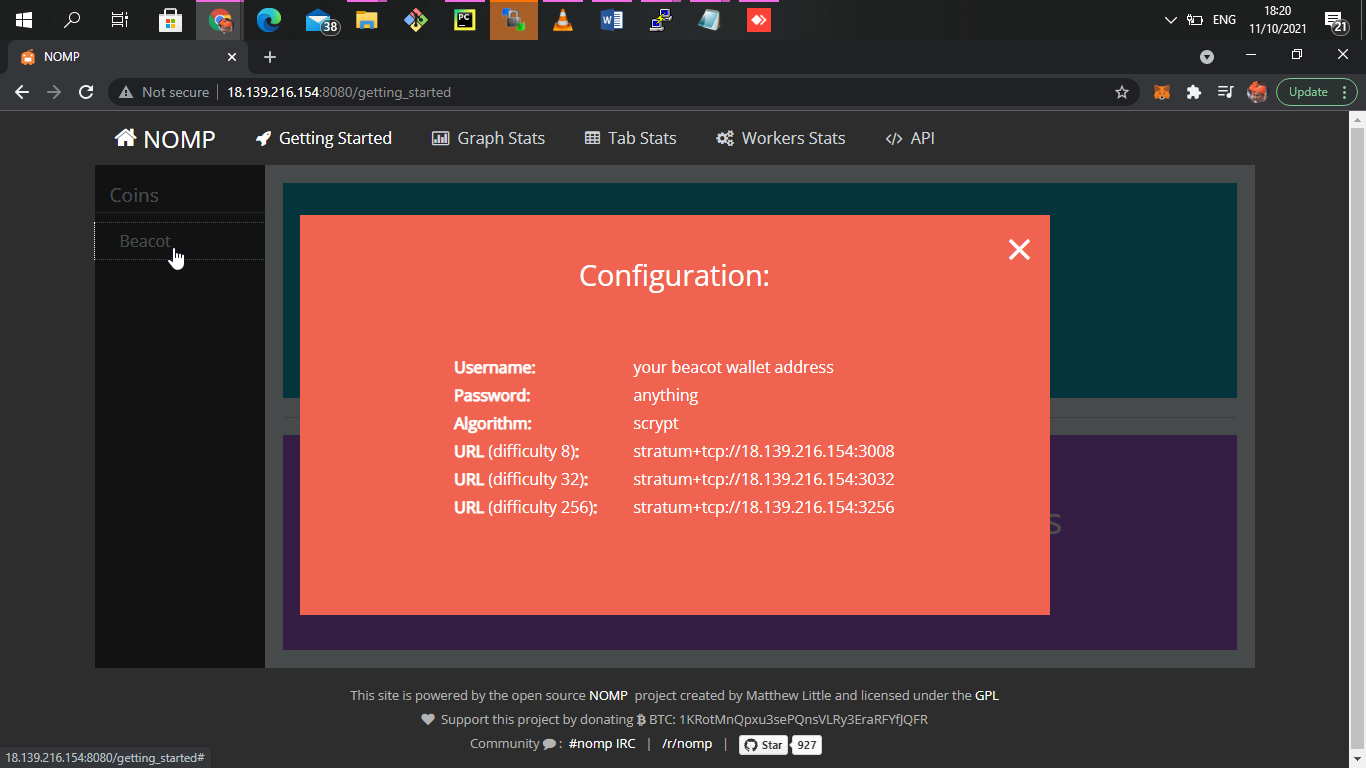


1. Now open internet explorer and type ip address and port number 8080

It will show us a pool



1. Now click on “Getting started => #NAM\_OF\_COIN(Beacot)



1. Now copy URL

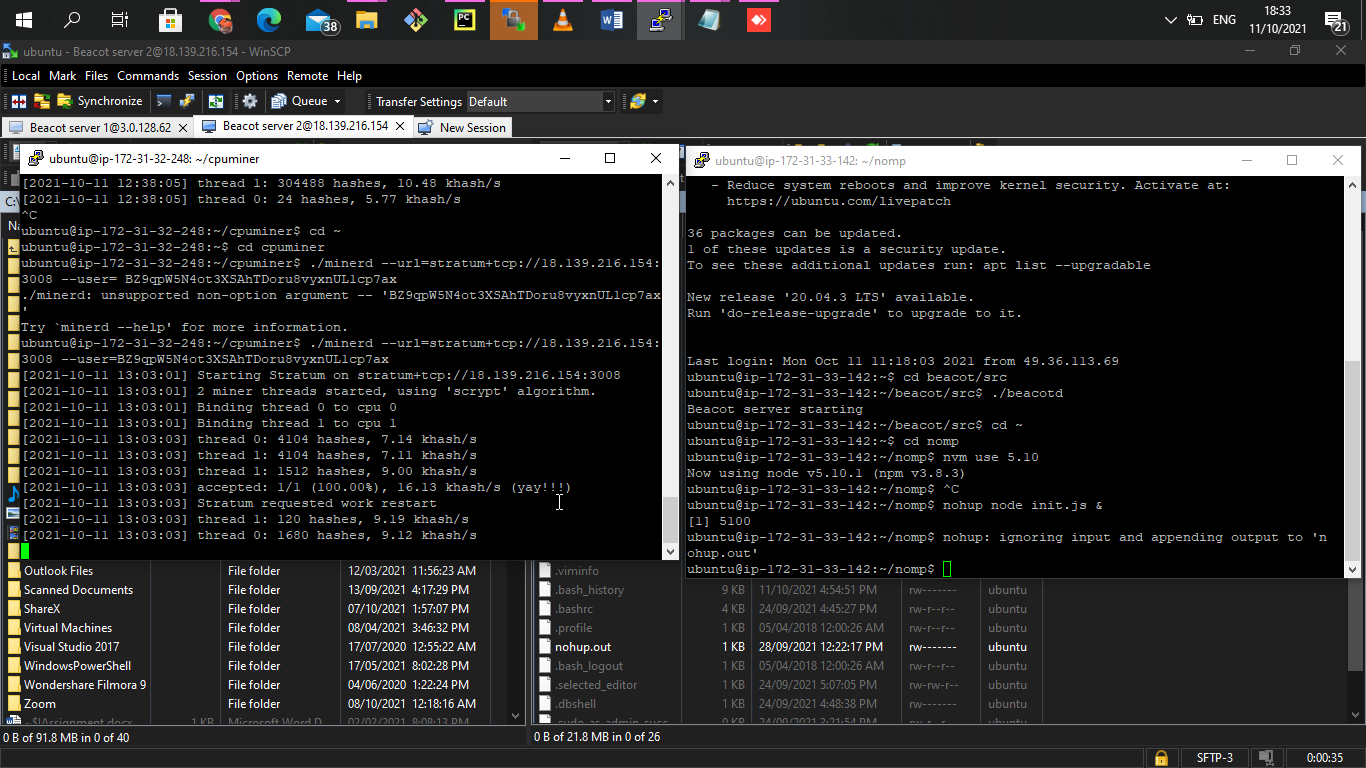
Now go to first server and type “cd ~” then “cd cpuminer”

And prepare command to start mining with pool

“./minerd --url=#COPIED\_URL --user=#ADDRESS\_WHERE\_MINE\_REWARD\_WILL\_GO”

Our command:

./minerd --url=stratum+tcp://18.139.216.154:3008 --user=BZ9qpW5N4ot3XSAhTDoru8vyxnUL1cp7ax



**Hence Coin is mined successfully**

**Thank you**