

# Task

## Connecting windows pc to linux & linux to linux ( LAN )

- **Transferring files between both the machines**

for transferring files from window to linux here **winscp** software is been used .

for transferring files from linux to linux **scp** command is used .

### **From windows to linux**

first install Winscp software in windows

check both the ip's of the machines

#### **for windows**

click start in the serach type **cmd**  
in command prompt window type  
**ipconfig**.

#### **For linux Redhat**

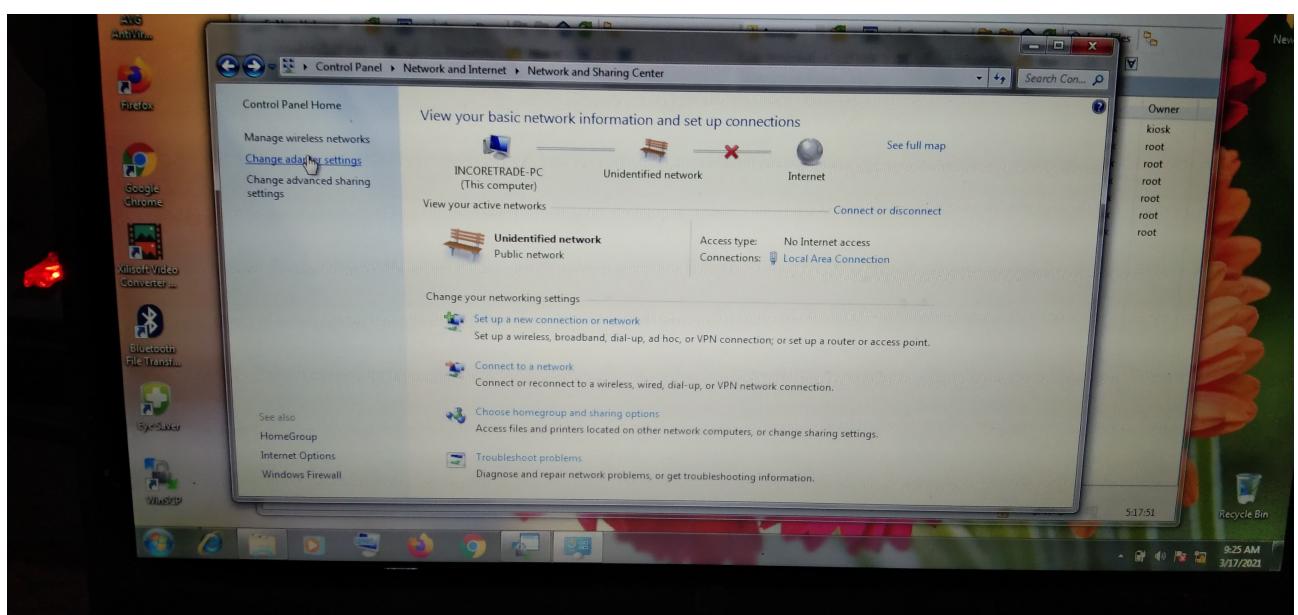
open **terminal** type **ifconfig**

set both the ip's in a way that they are in same range

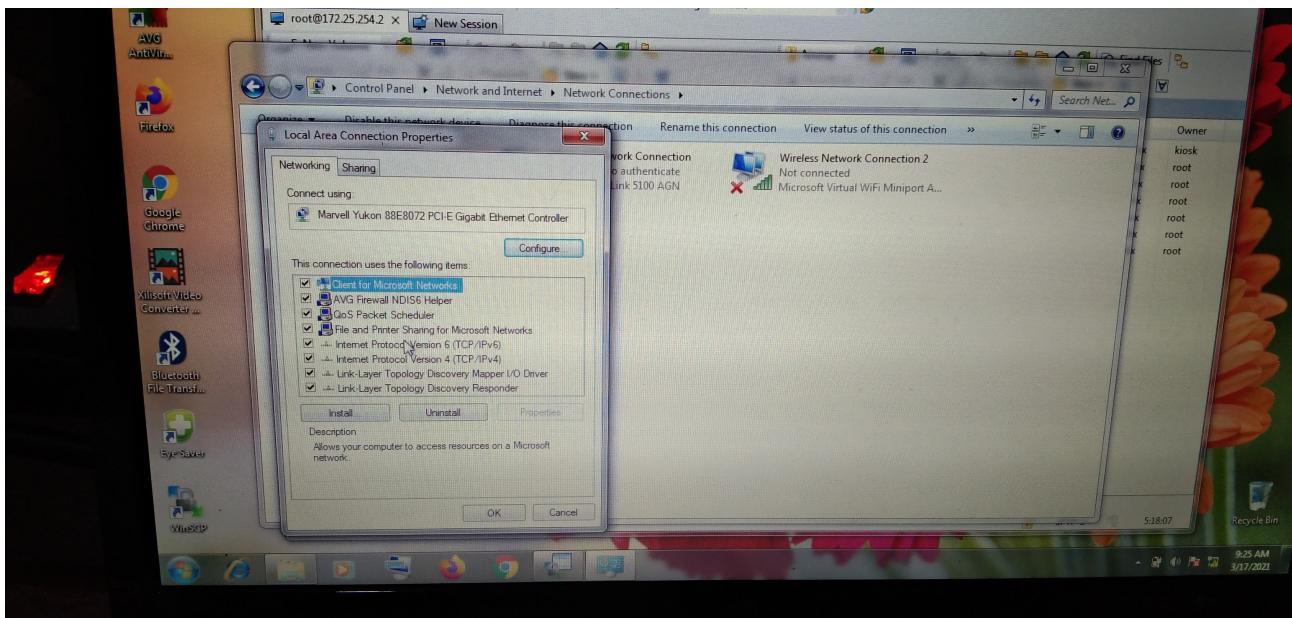
172.25.254.2 for redhat

for windows it is 192.25.168.1 so it is changed to 172.25.254.1

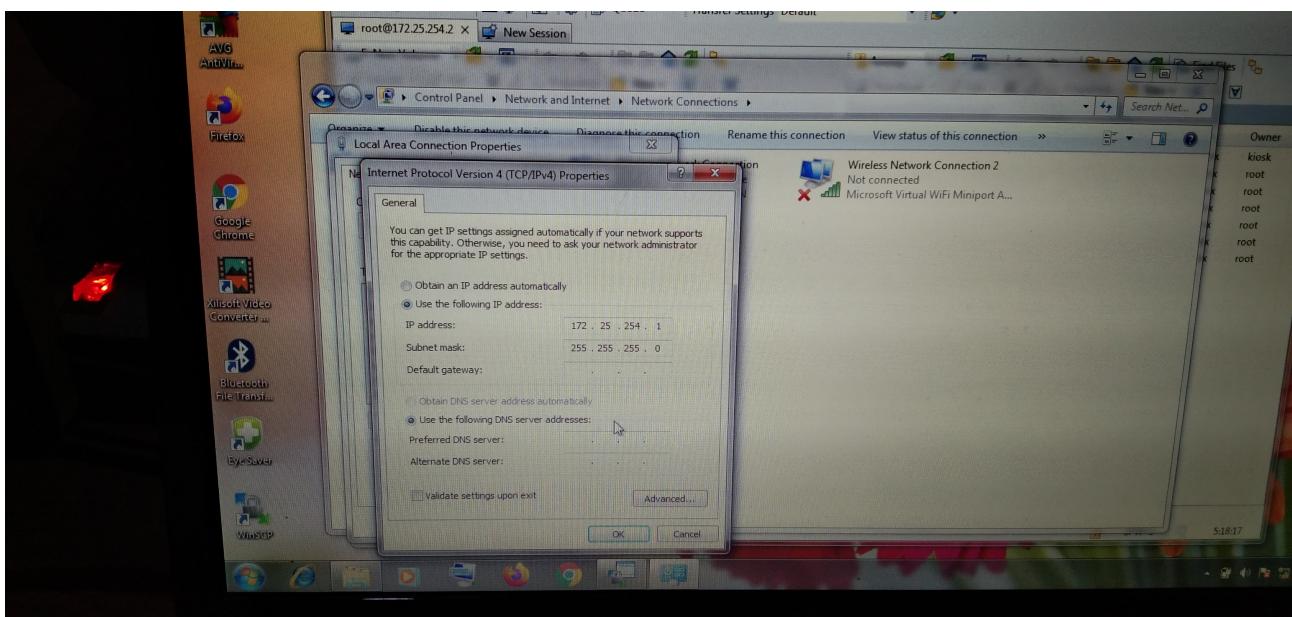
for that click **start>control panel>Network and internet>Network and sharing Center**  
**change adapter settings.**



From that



select ipv4 Properties.

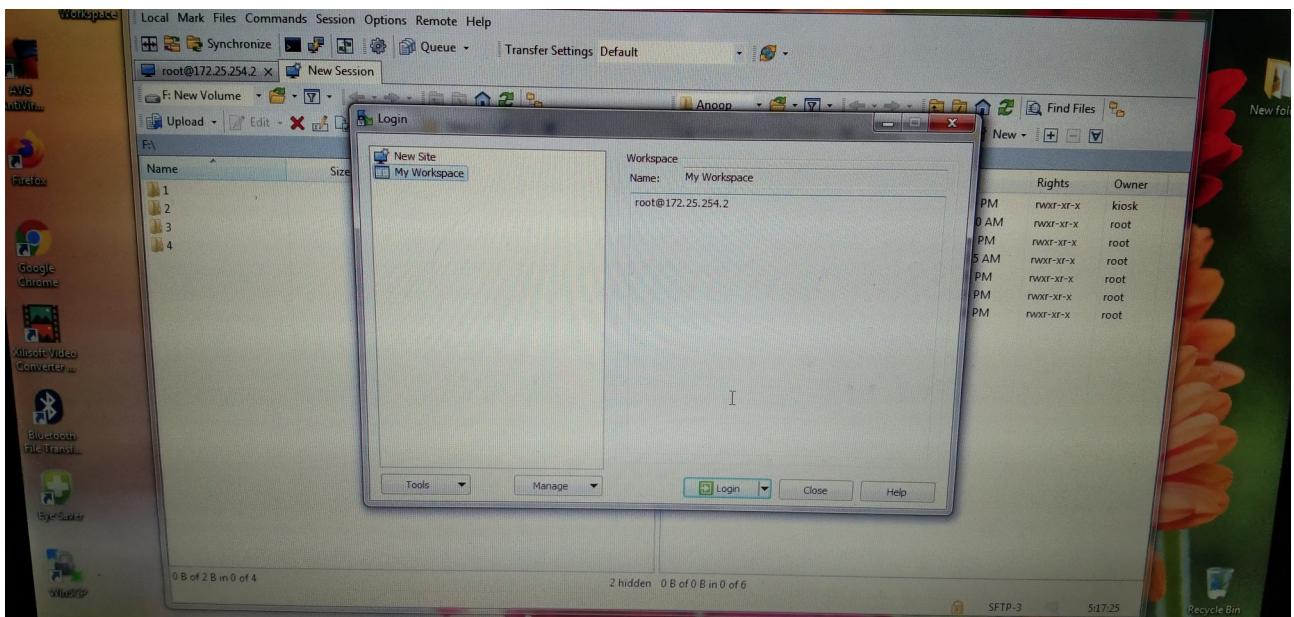


Set ip to 172.25.254.1

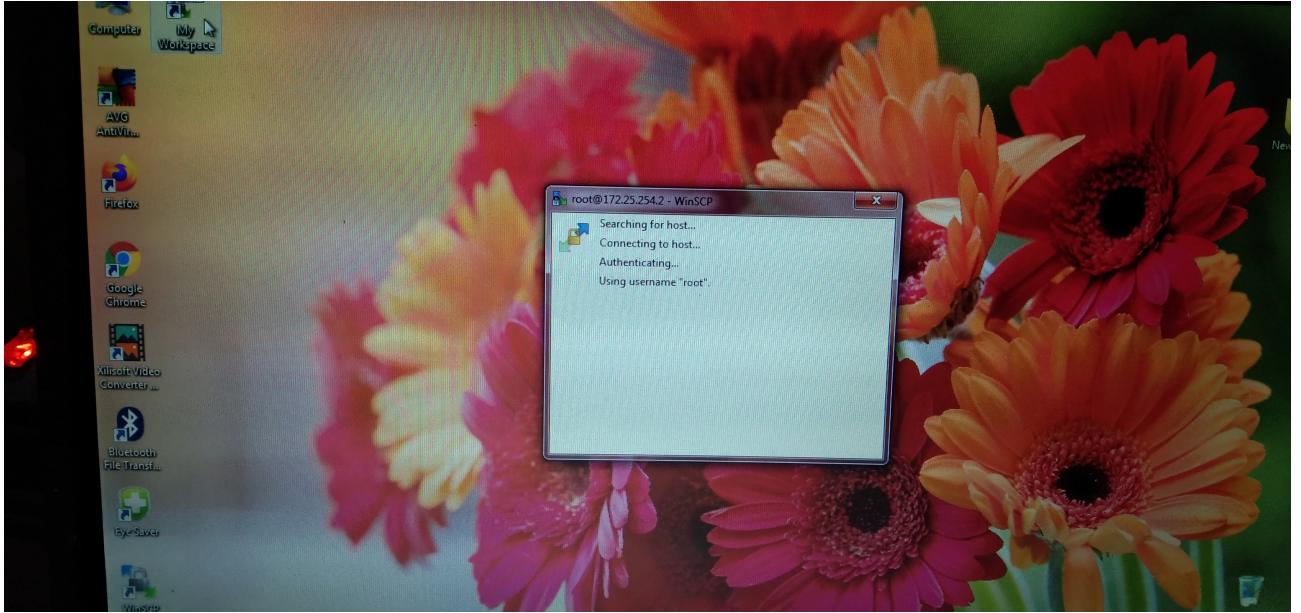
after that connect LAN . ping from linux with ip for checking connection .

```
PING 172.25.254.1 (172.25.254.1) 56(84) bytes of data.
64 bytes from 172.25.254.1: icmp_seq=1 ttl=128 time=0.559 ms
64 bytes from 172.25.254.1: icmp_seq=2 ttl=128 time=0.783 ms
64 bytes from 172.25.254.1: icmp_seq=3 ttl=128 time=0.571 ms
64 bytes from 172.25.254.1: icmp_seq=4 ttl=128 time=0.772 ms
64 bytes from 172.25.254.1: icmp_seq=5 ttl=128 time=0.803 ms
64 bytes from 172.25.254.1: icmp_seq=6 ttl=128 time=0.746 ms
64 bytes from 172.25.254.1: icmp_seq=7 ttl=128 time=0.666 ms
64 bytes from 172.25.254.1: icmp_seq=8 ttl=128 time=0.694 ms
64 bytes from 172.25.254.1: icmp_seq=9 ttl=128 time=0.789 ms
64 bytes from 172.25.254.1: icmp_seq=10 ttl=128 time=0.793 ms
64 bytes from 172.25.254.1: icmp_seq=11 ttl=128 time=0.573 ms
64 bytes from 172.25.254.1: icmp_seq=12 ttl=128 time=0.743 ms
64 bytes from 172.25.254.1: icmp_seq=13 ttl=128 time=0.745 ms
64 bytes from 172.25.254.1: icmp_seq=14 ttl=128 time=0.743 ms
64 bytes from 172.25.254.1: icmp_seq=15 ttl=128 time=0.527 ms
64 bytes from 172.25.254.1: icmp_seq=16 ttl=128 time=0.751 ms
64 bytes from 172.25.254.1: icmp_seq=17 ttl=128 time=0.785 ms
```

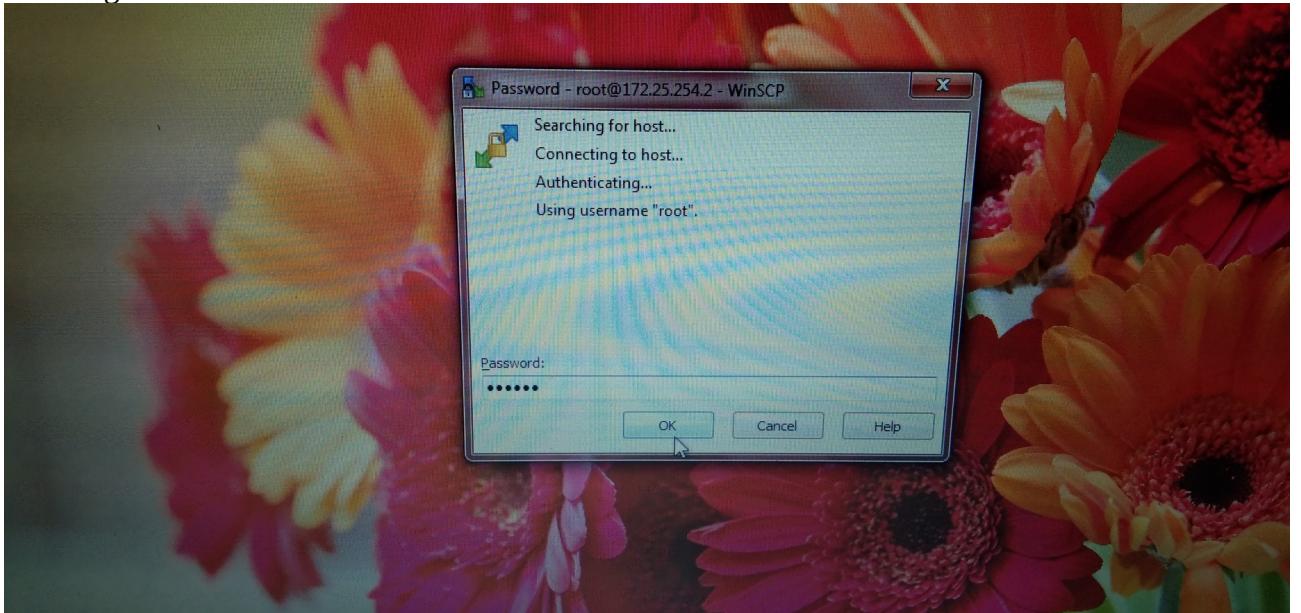
For transferring from windows open winscp



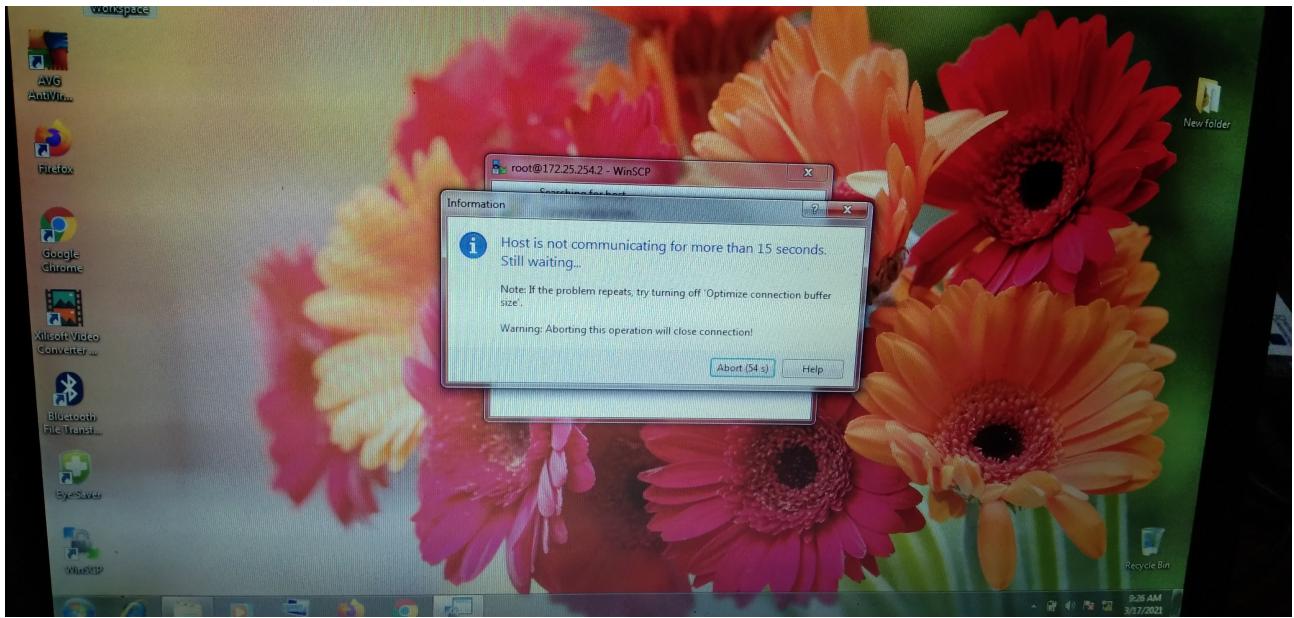
[root@172.25.254.2](http://root@172.25.254.2)



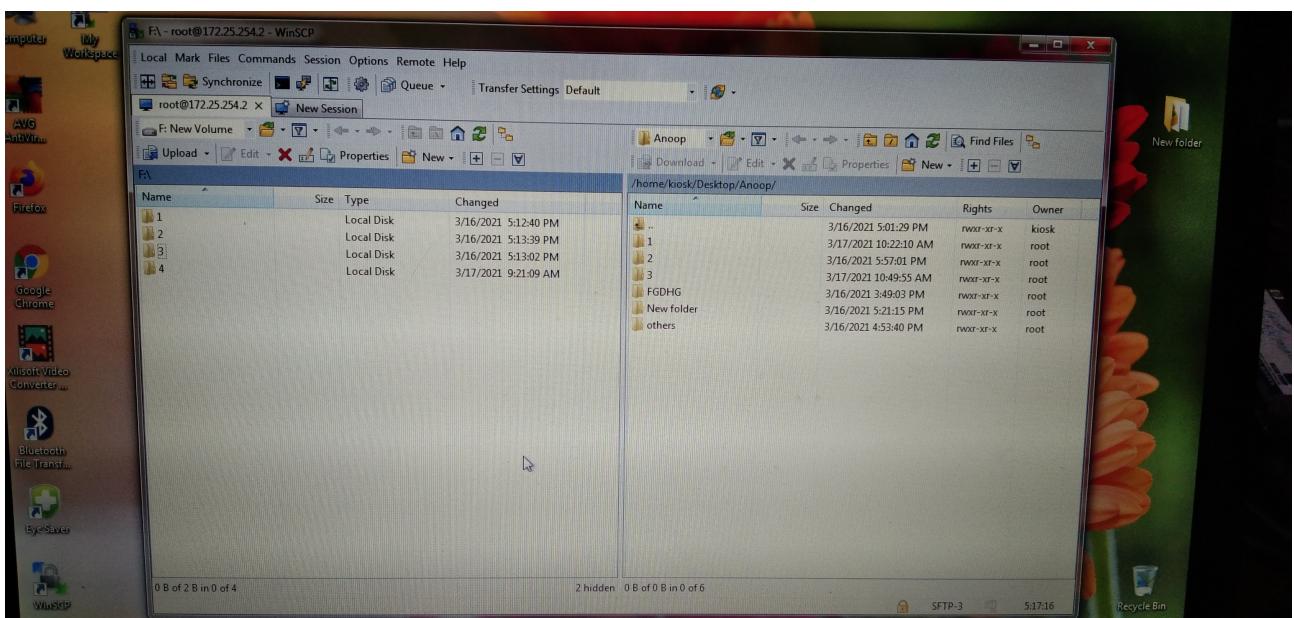
checking



root password needed.



Drag folder to other window for copying



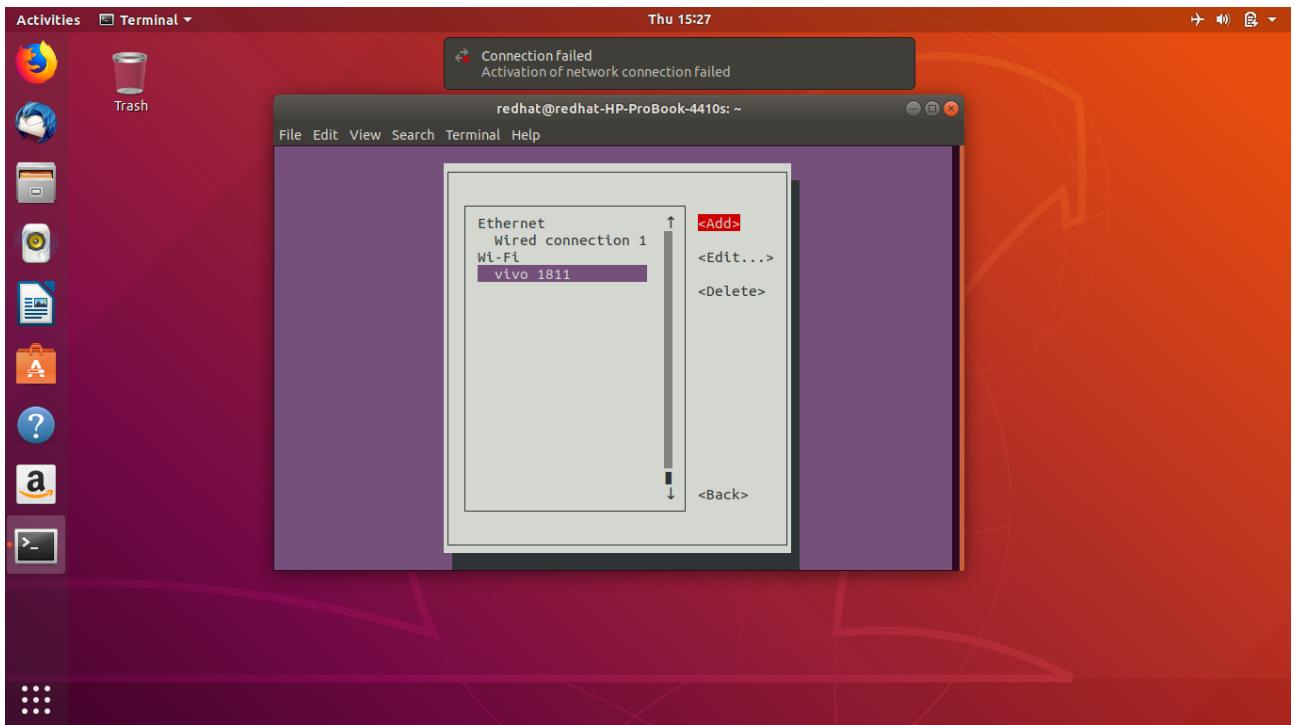
for **linux** machines

**rhel to ubuntu**

check both machines ip's

ping the ip's for checking connection.

For changing ip manually



Edit **wired connection 1** and set the ip

here **scp** command is used

