COMPUTER NETWORKS LAB

WEEK #8

ClayNet: IPv4 Static Addressing And Routing

NAME : SIRI S

SEMESTER : 4

SECTION :H1

SRN : PES1UG19CS485

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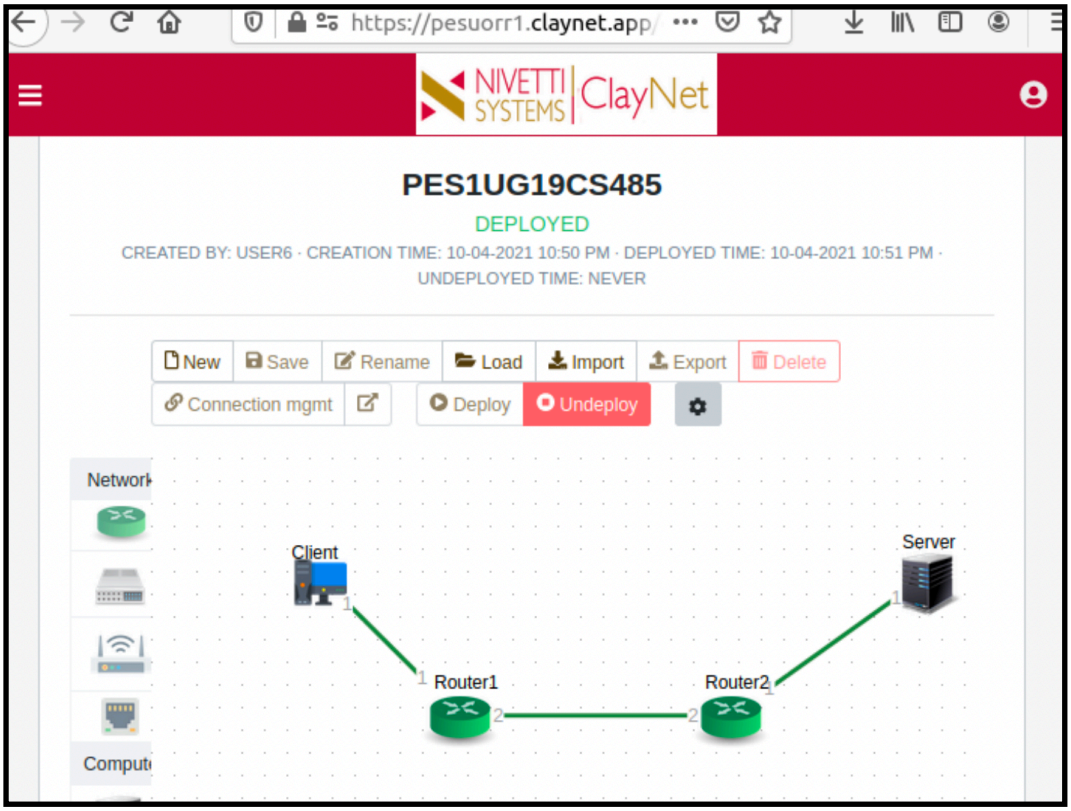
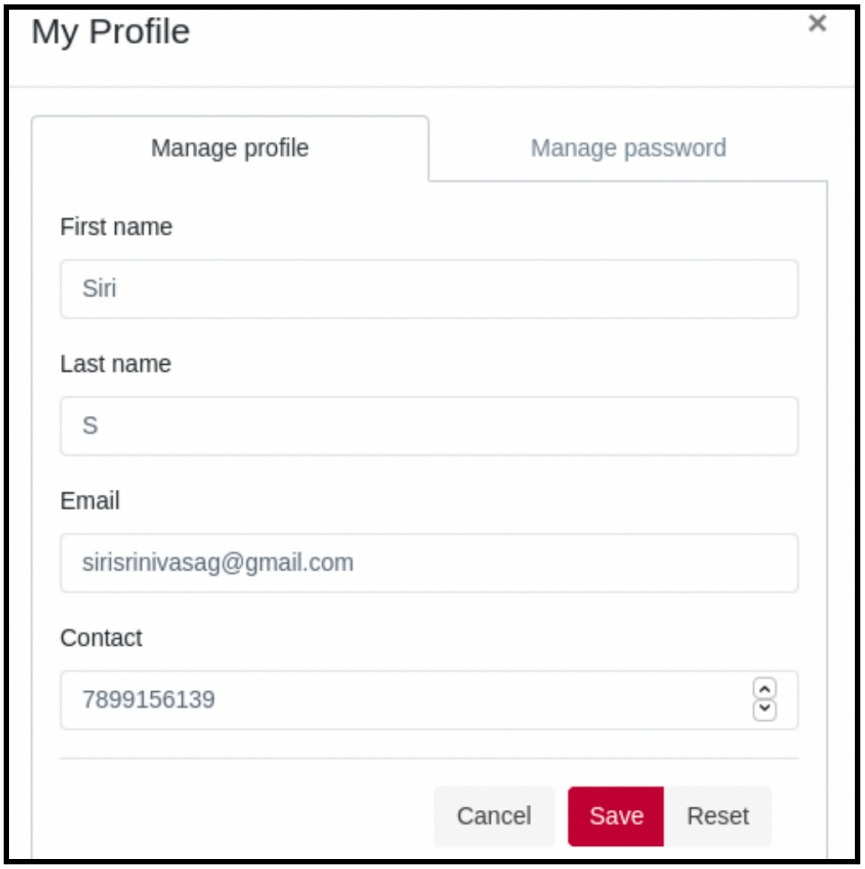
1. IPv4 Addressing And Topology Creation

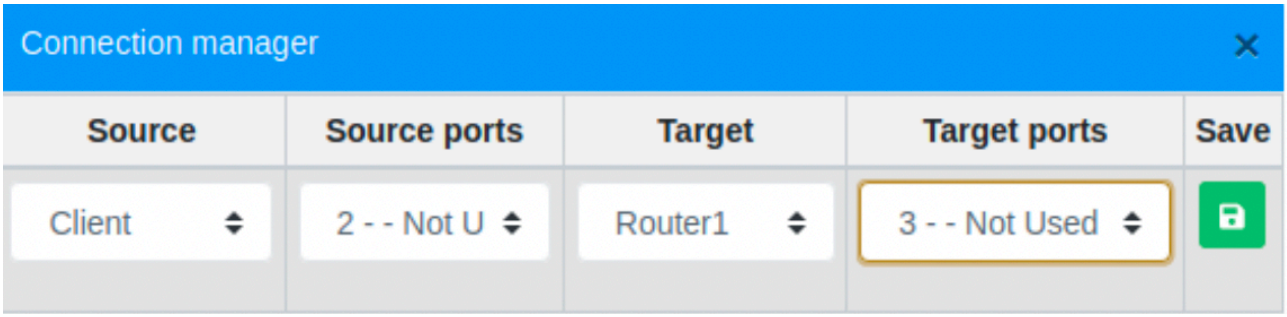


Topology on CayNet

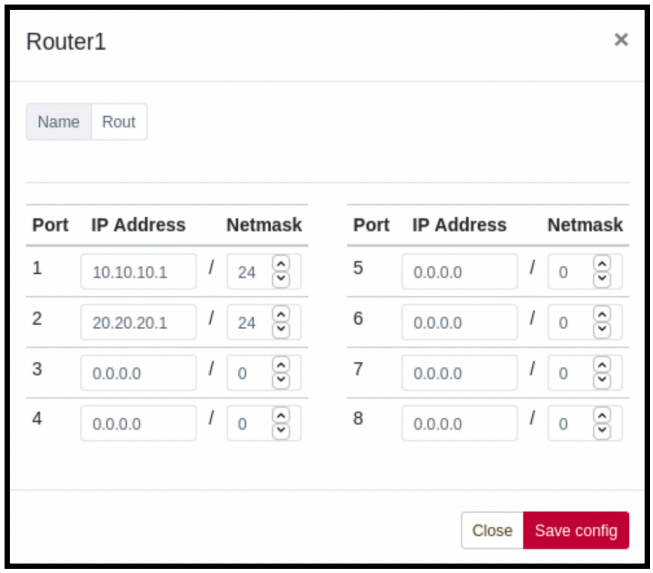


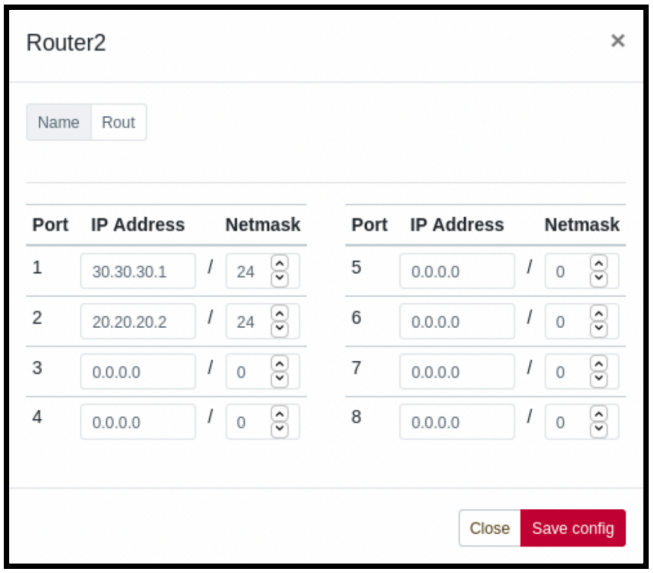
Account on ClayNet

2. SettingUp Connections

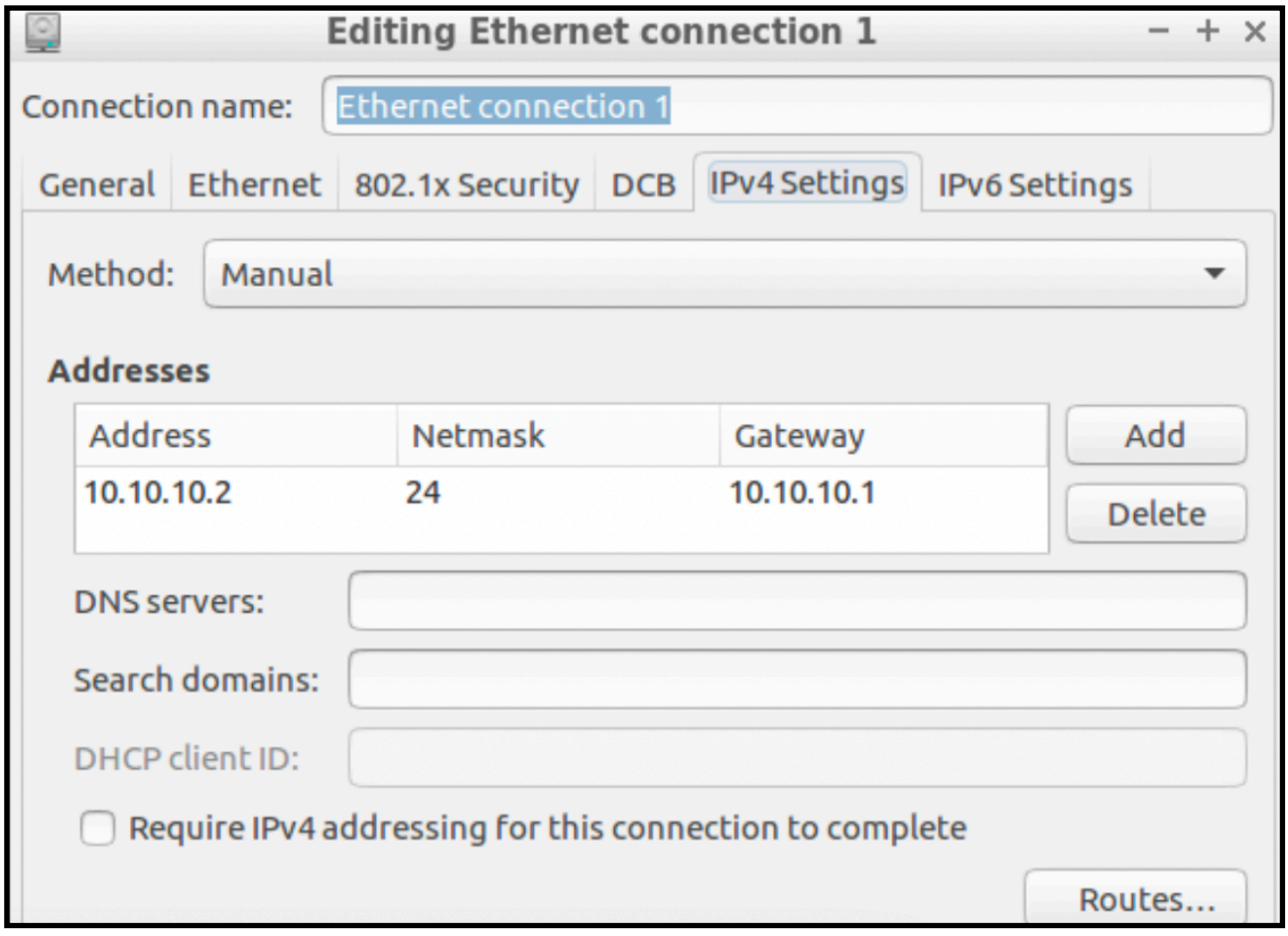


Setting Up Connection Manager between the Client, Router1, Router2, Server

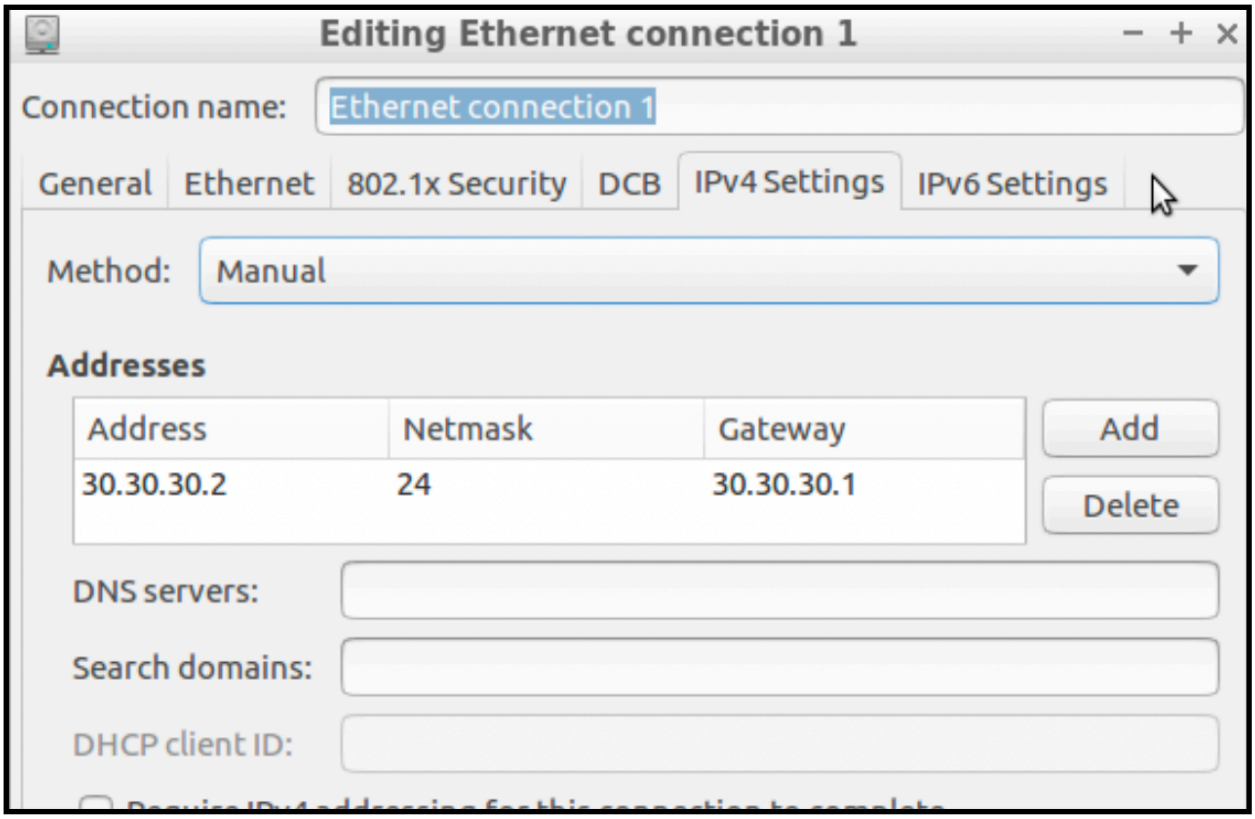




Device Configuration for Router1 and Router2



Edit Connections For Client

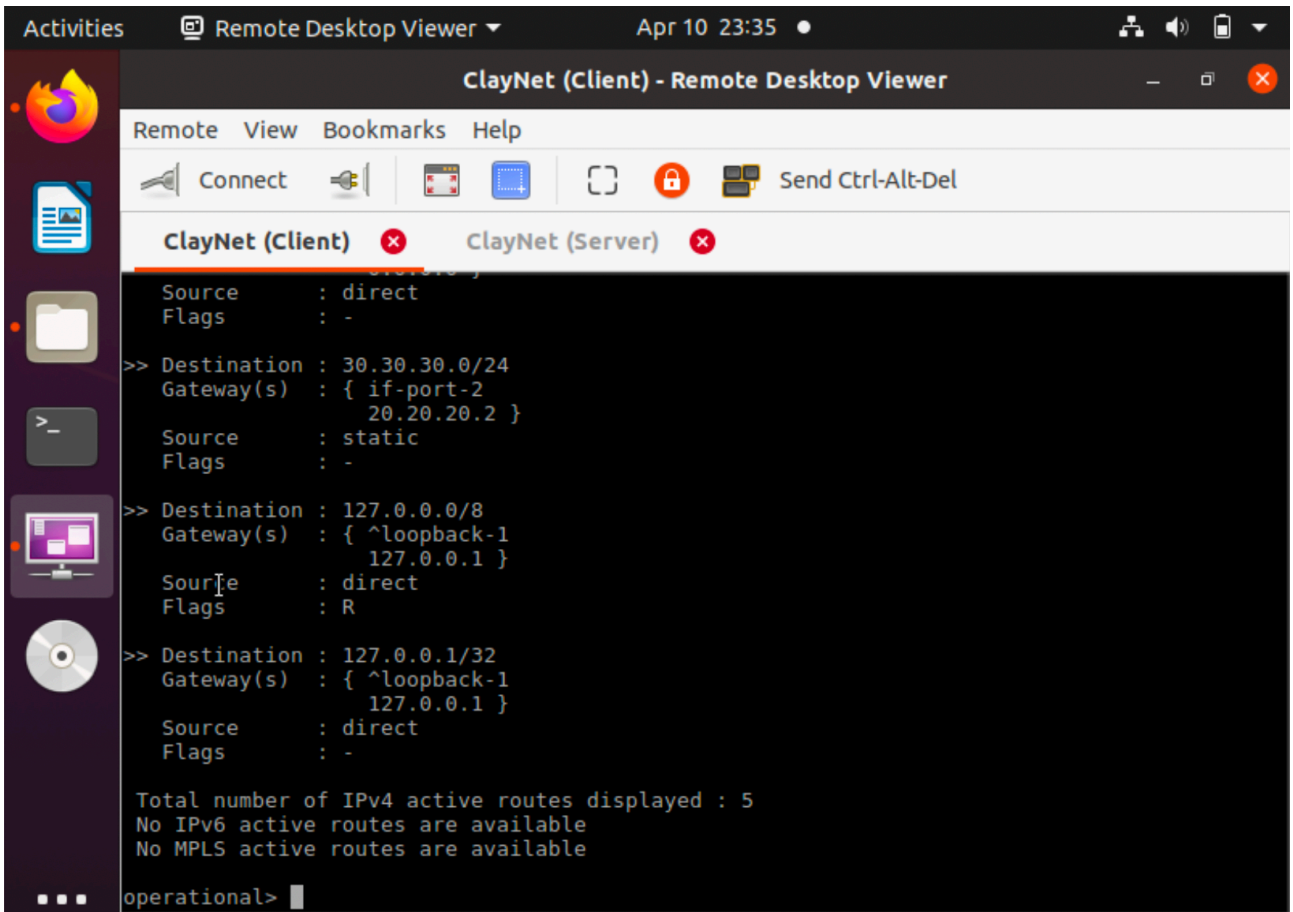


Edit Connections For Server

3. Routing Table Entries

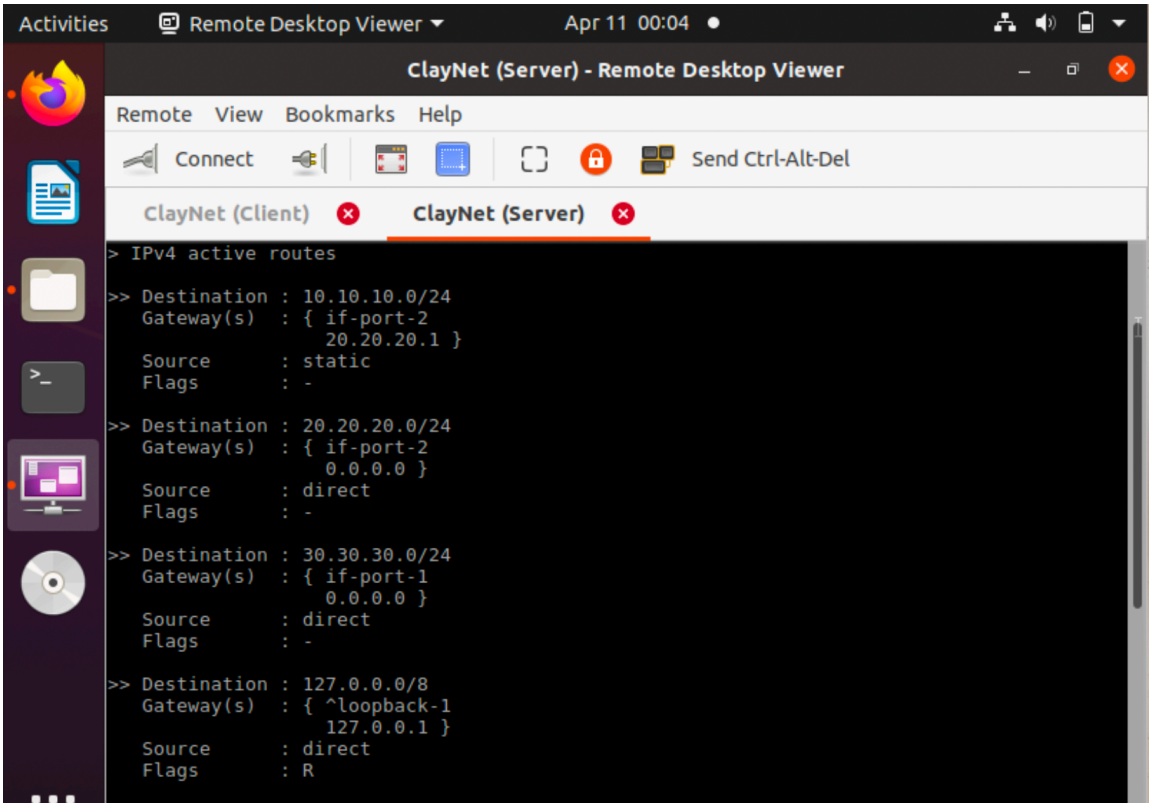
Router1:

After adding 30.30.30.0/24 to the routing table



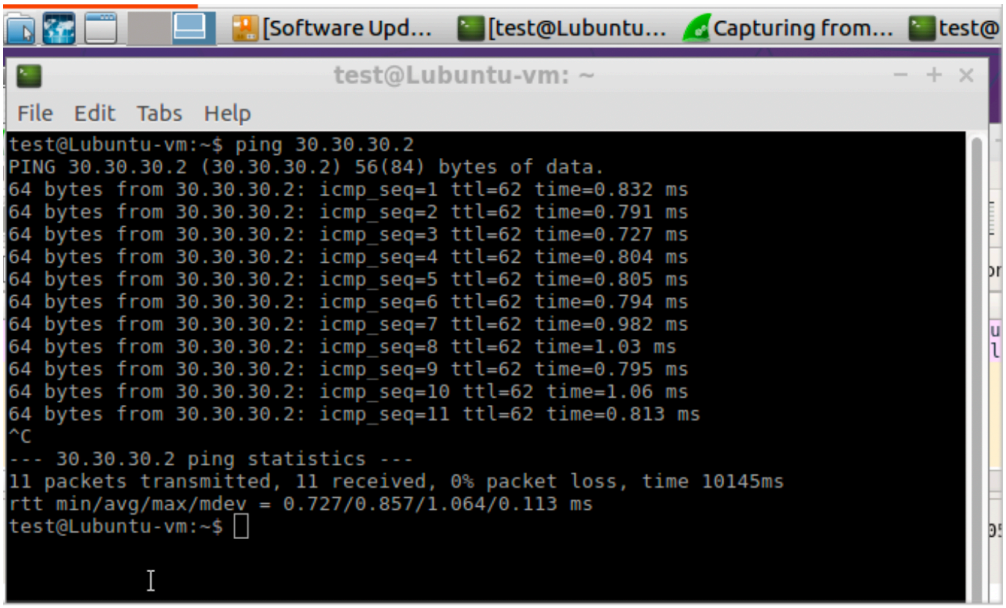
Router2:

After adding 10.10.10.0/24 to the routing table



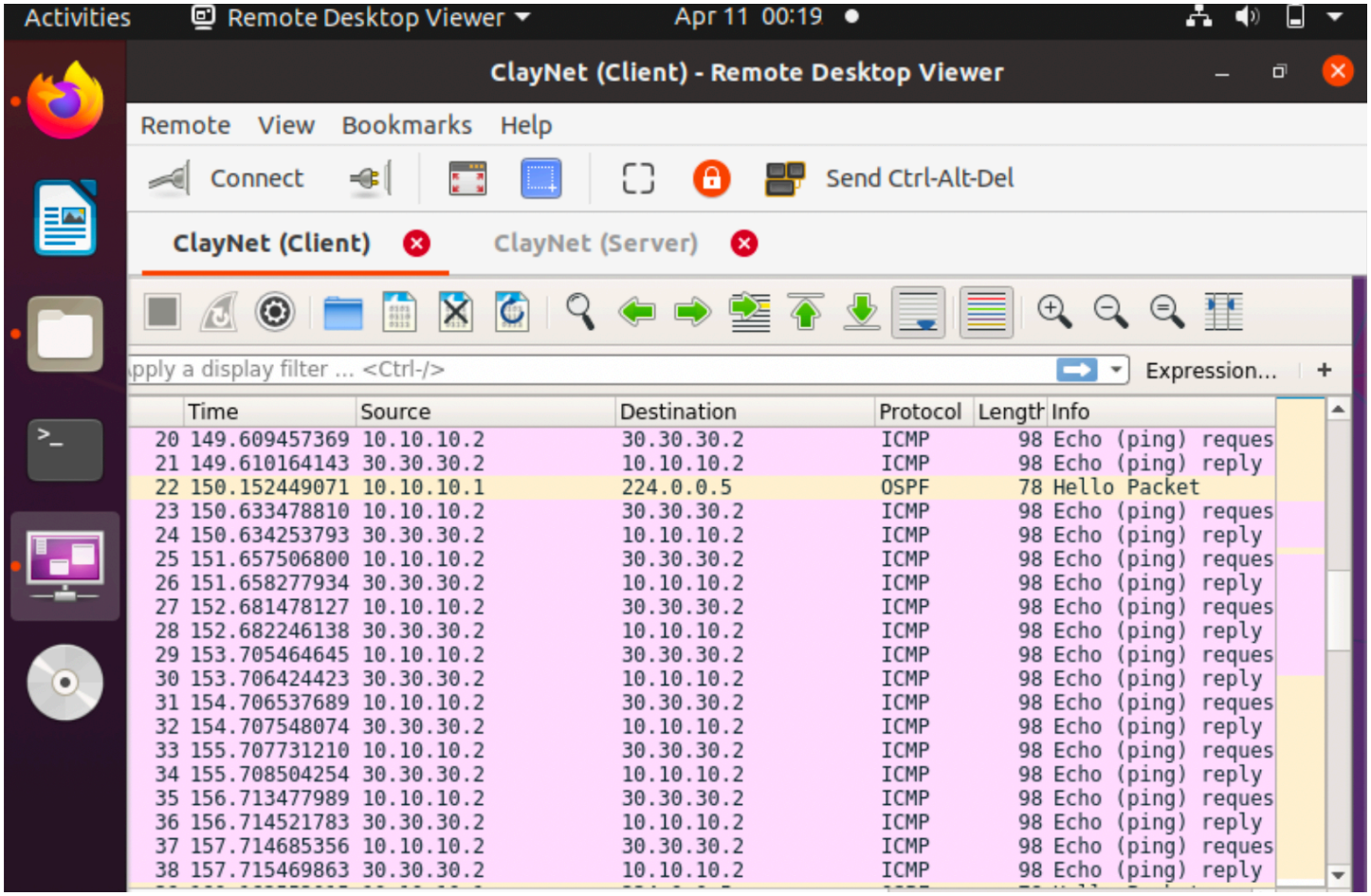
OBSERVATIONS:

The Server is reachable from the Client.
Because of the presence of 2 routers between the Client and Server, the value of ‘ttl’ becomes 62 from the usual 6

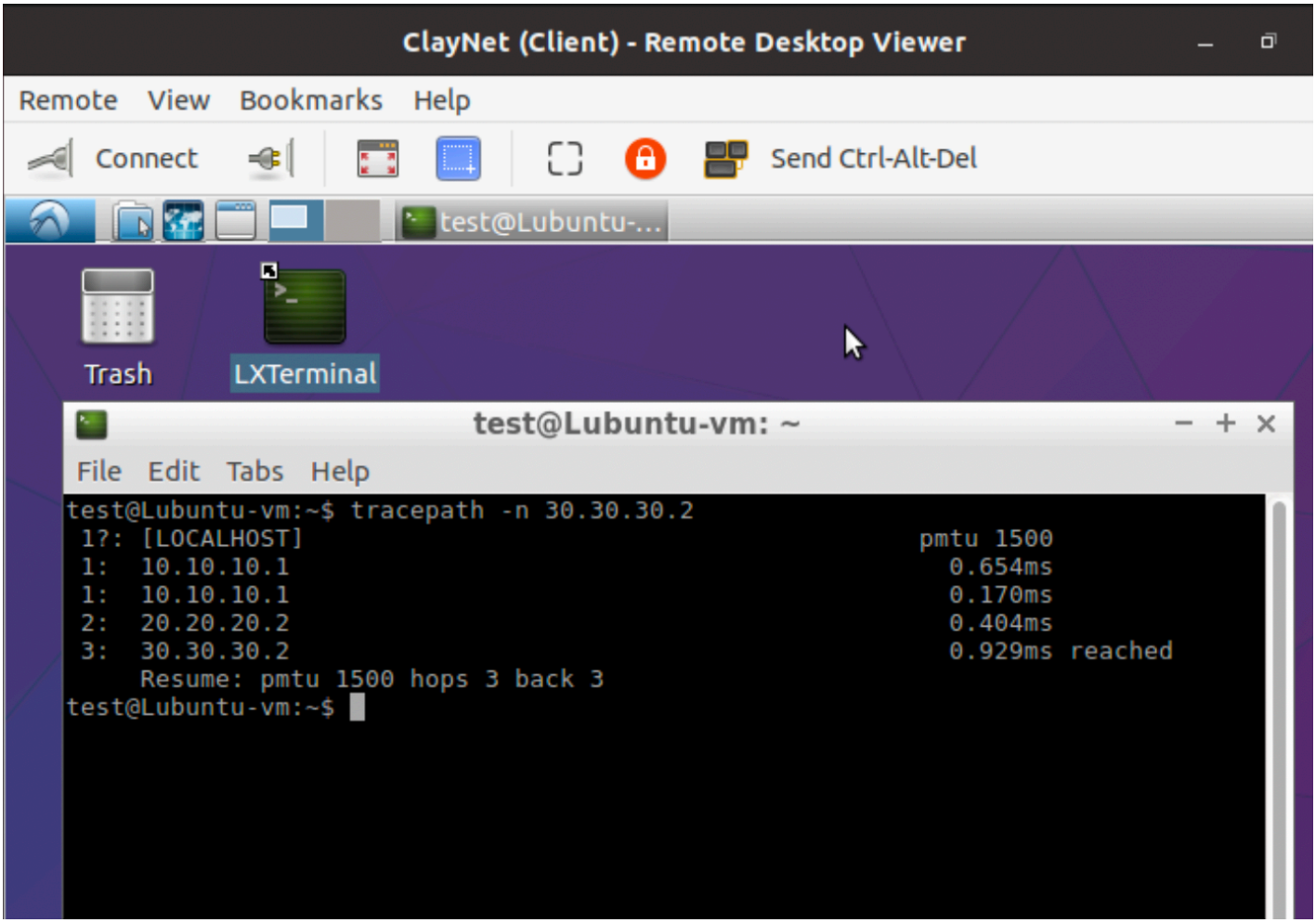


Pinging from client to server

While Pinging:



Wireshark packet capture:



Traceroute Command from Client to Server: