



PES
UNIVERSITY

100 Feet Ring Road, BSK 3rd Stage, Bangalore 560085

Department of Computer Science and Engineering

UE17CS304

Computer Networks Laboratory

Lab Report

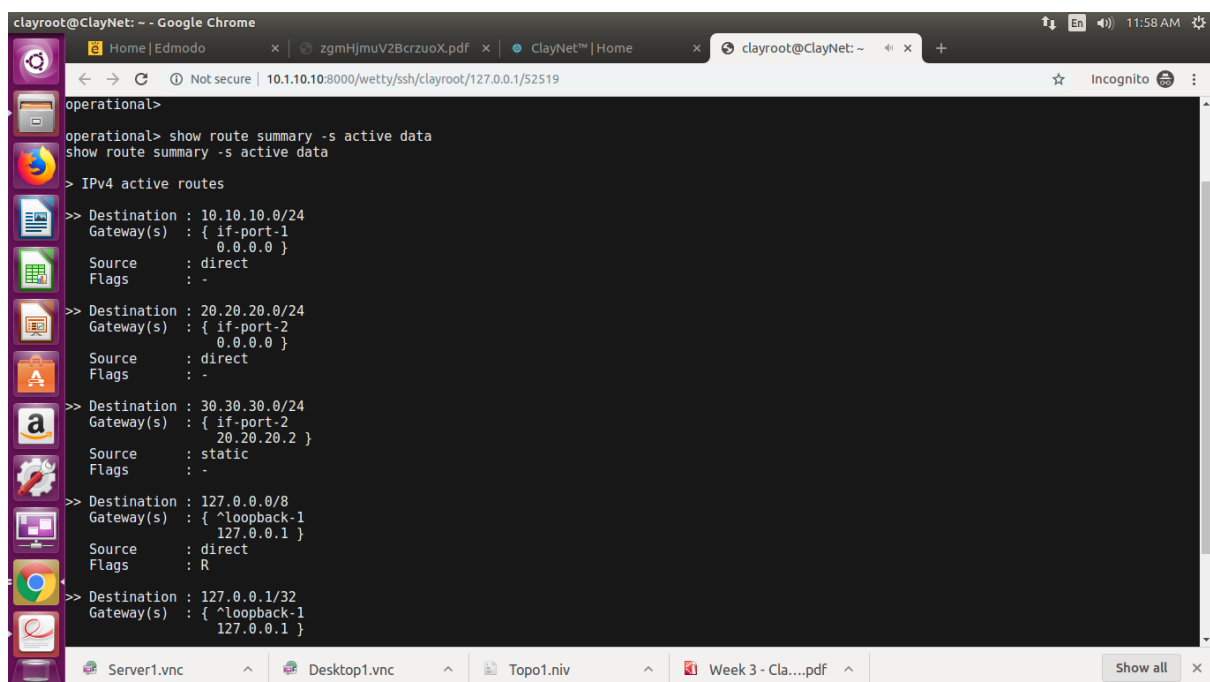
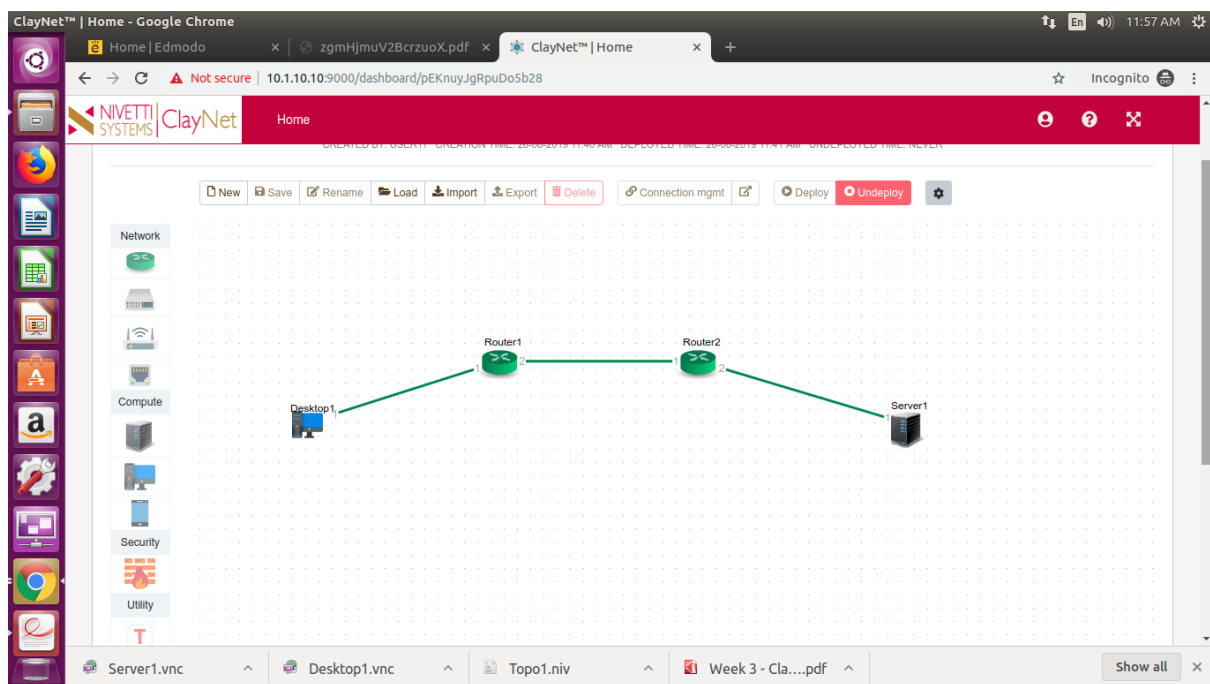
Week 3

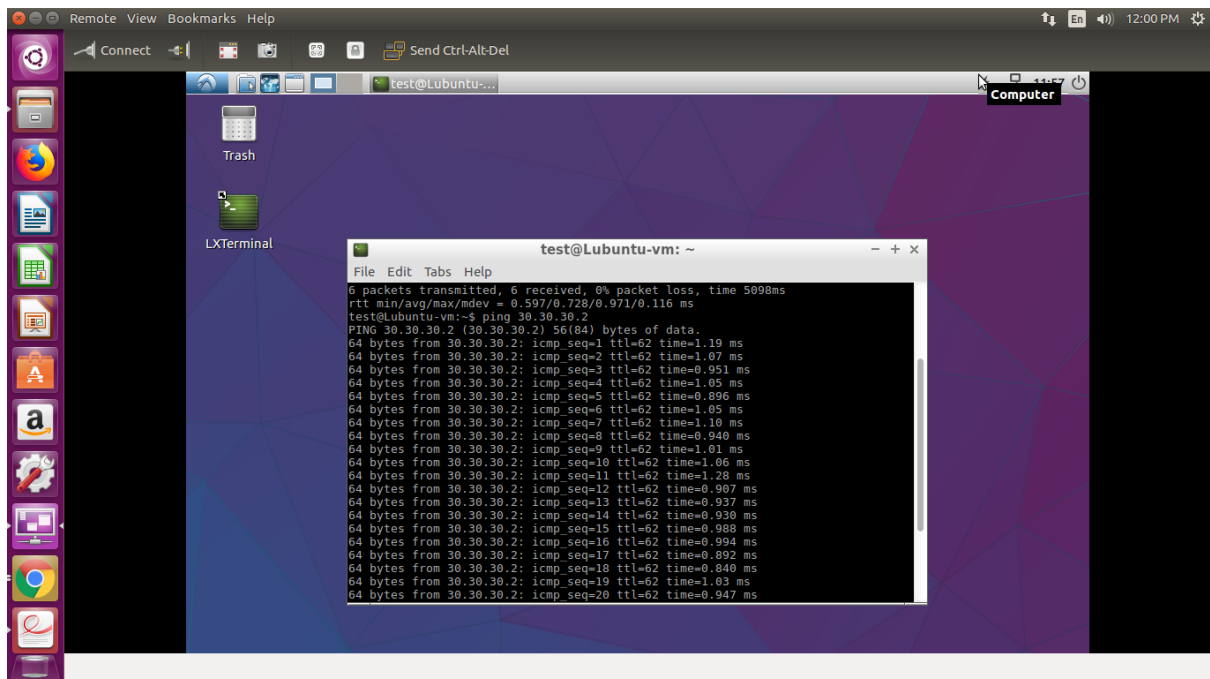
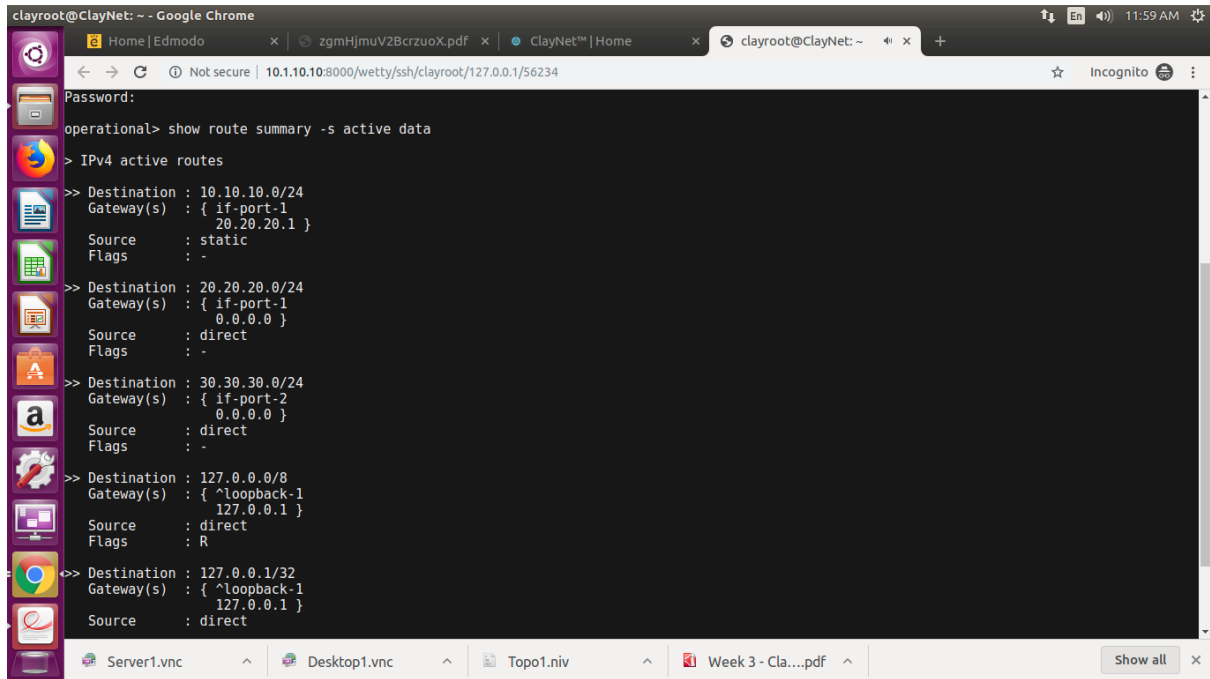
Varun R. Gupta

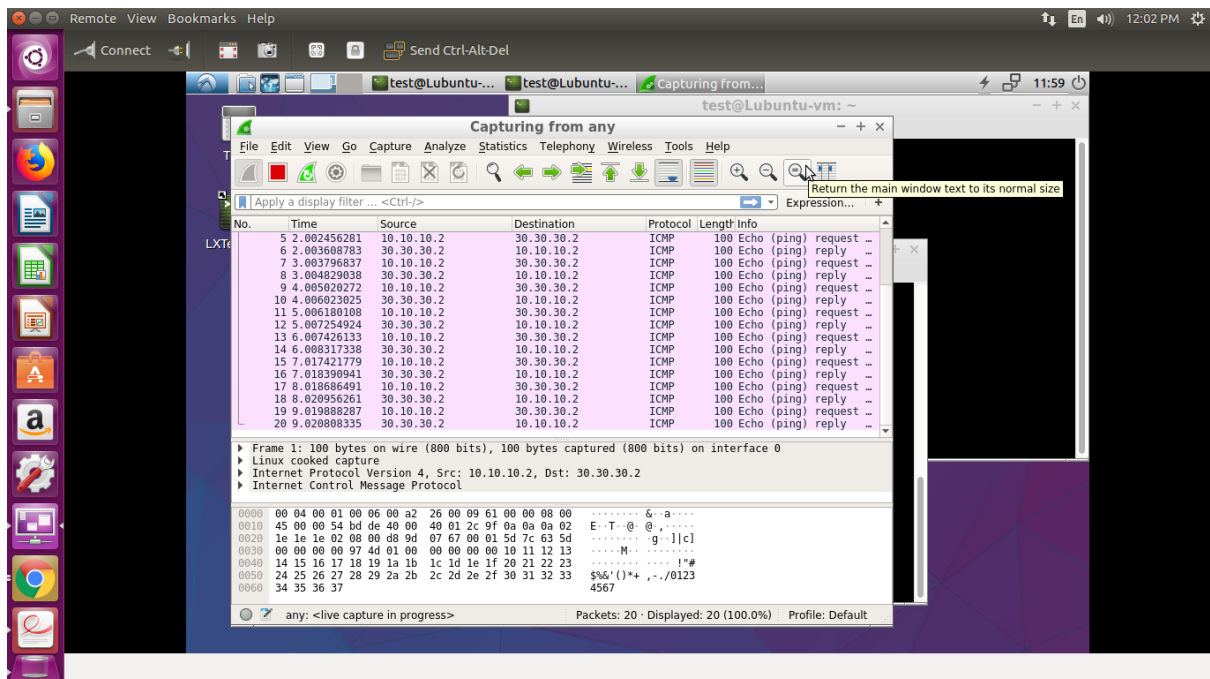
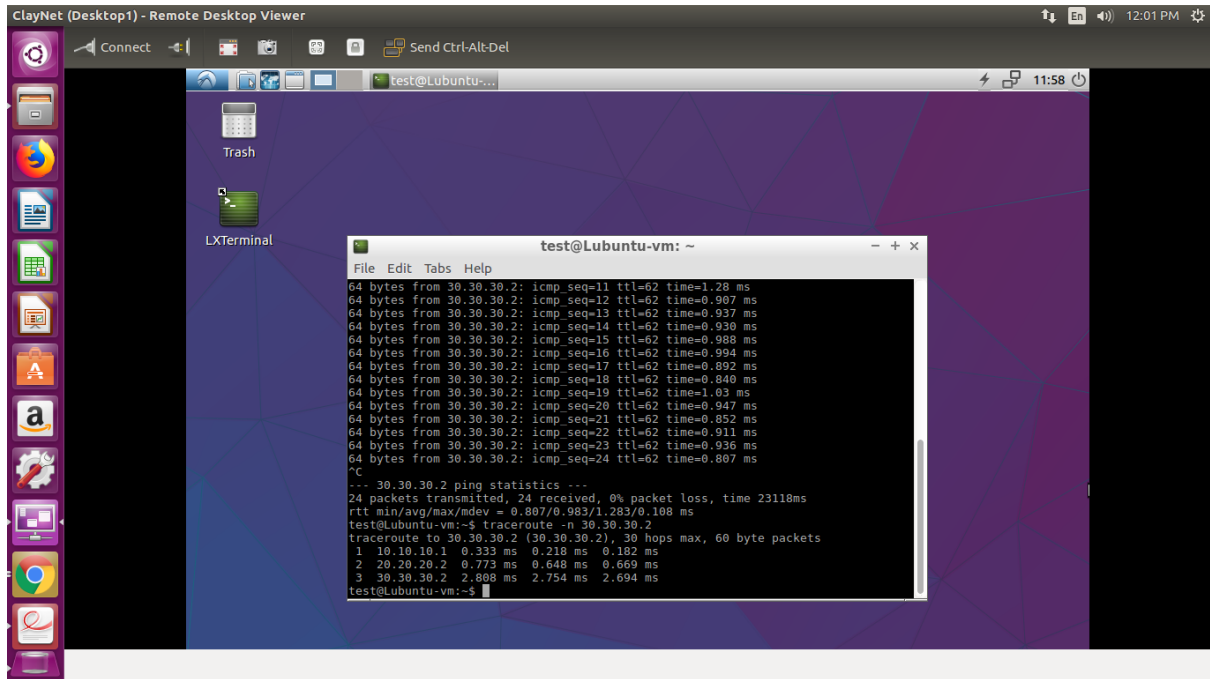
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Semester 5 | Section 'C' | Number 22

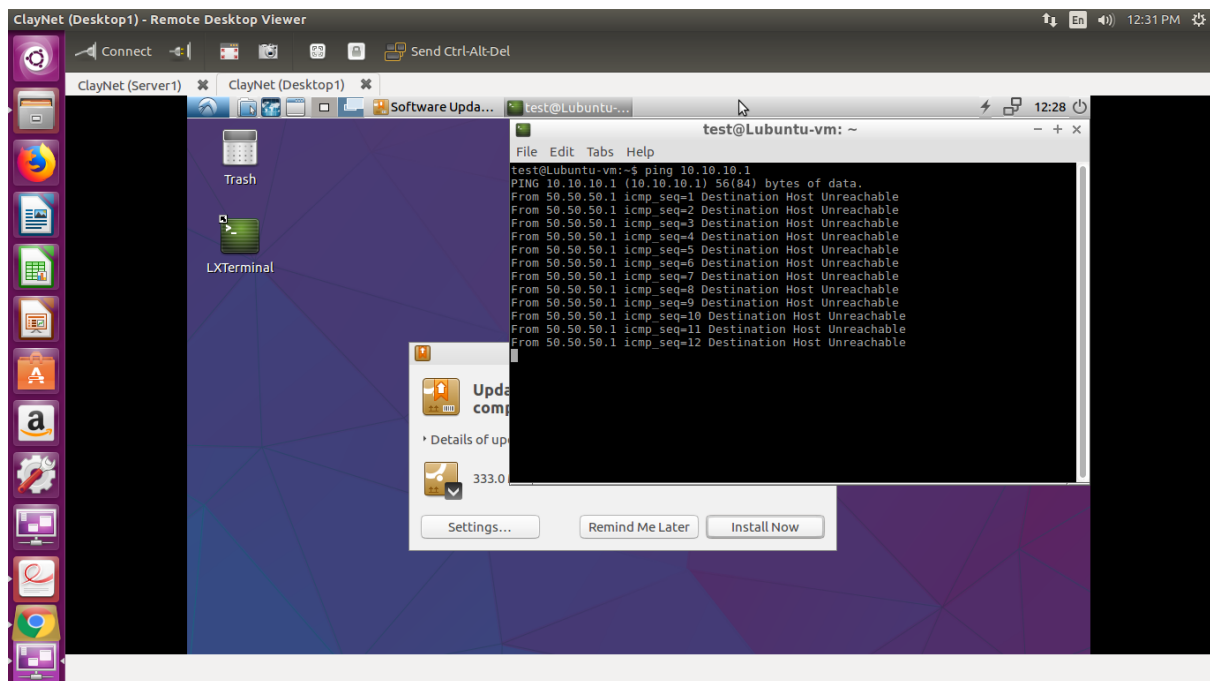
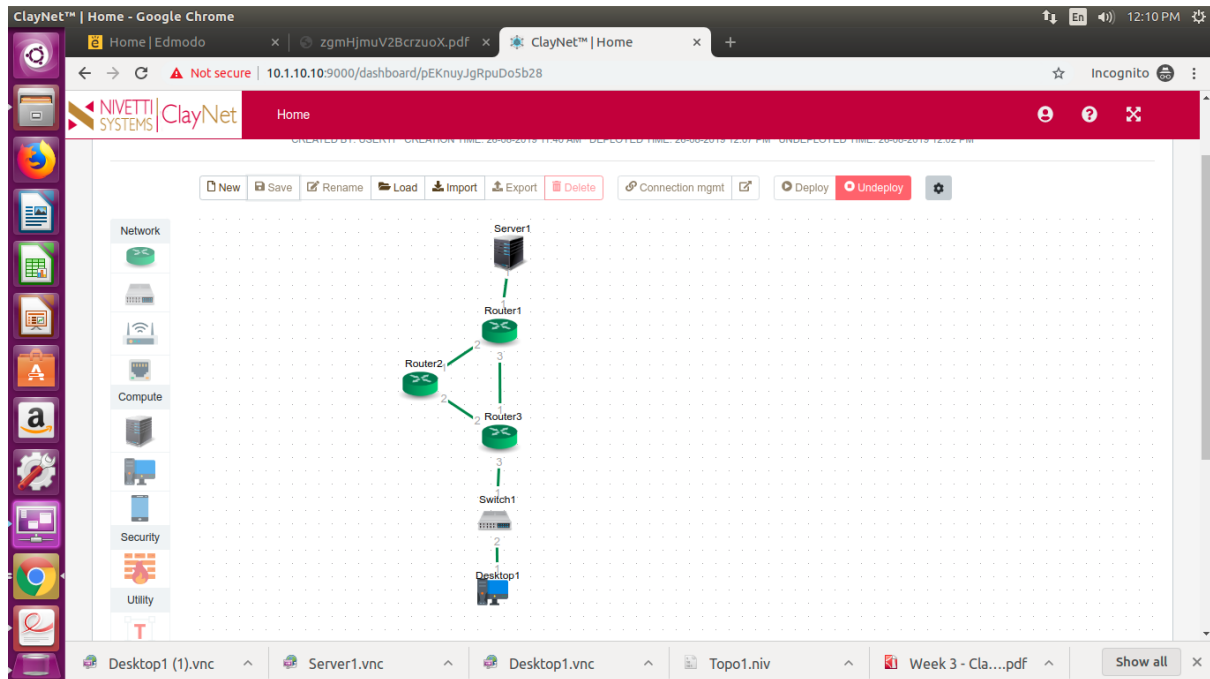
Task 1

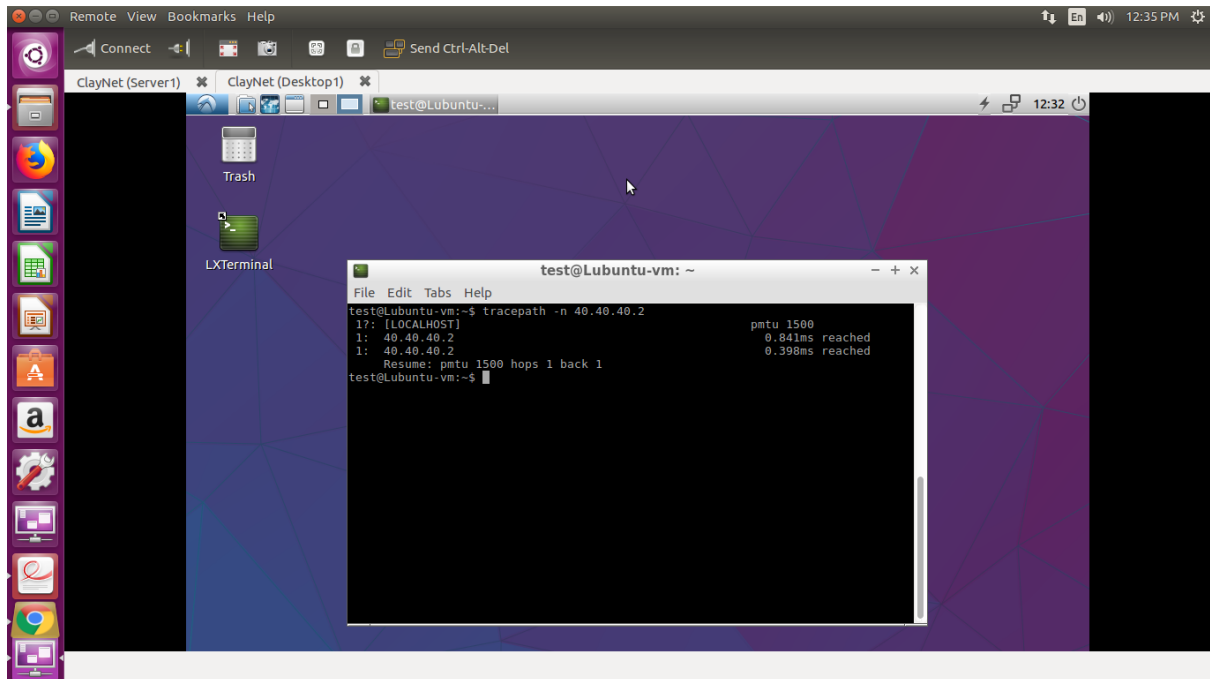
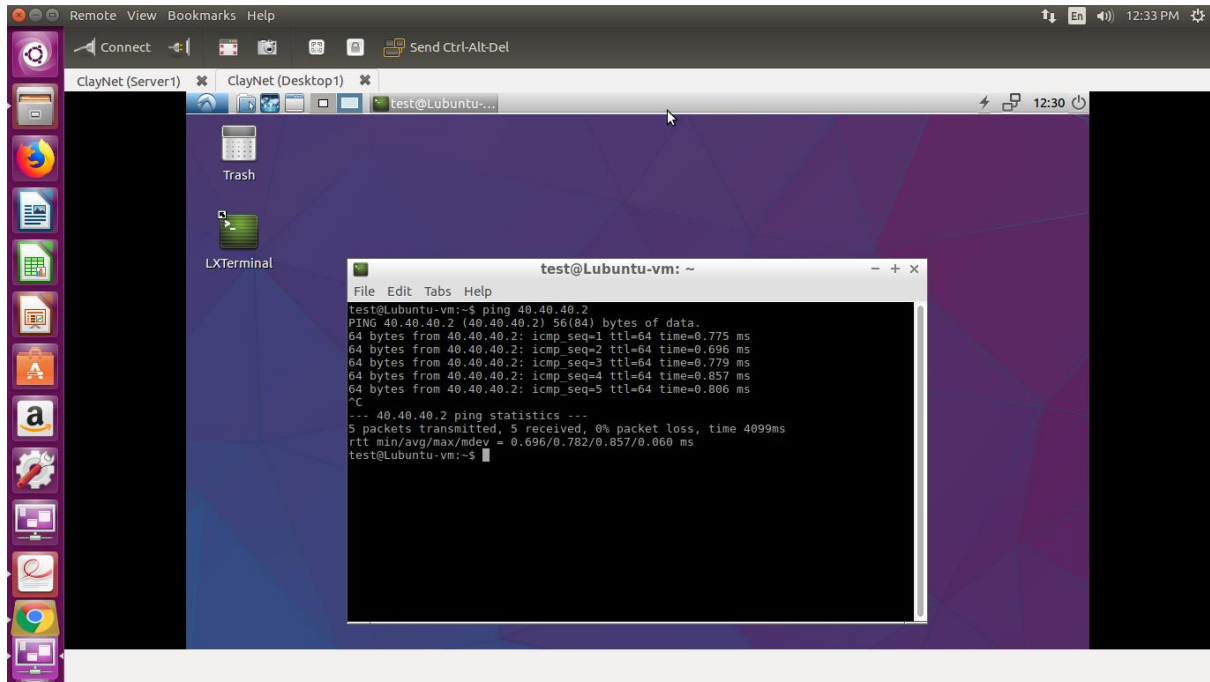






Task 2





Remote View Bookmarks Help

Connect Send Ctrl-Alt-Del

ClayNet (Server1) ClayNet (Desktop1) test@Lubuntu-... test@Lubuntu-... Capturing from...

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter ... <Ctrl-/>

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	00:a2:26:00:02:fa	40.40.40.2	STP	55	RST, Root = 3
2	0.109832407	50.50.50.50	40.40.40.2	ICMP	100	Echo (ping) r
3	0.110481350	40.40.40.2	50.50.50.50	ICMP	100	Echo (ping) r
4	1.123984213	50.50.50.50	40.40.40.2	ICMP	100	Echo (ping) r
5	1.124754862	40.40.40.2	50.50.50.50	ICMP	100	Echo (ping) r
6	2.000030564	00:a2:26:00:02:fa	50.50.50.50	STP	55	RST, Root = 3
7	2.147914642	50.50.50.50	40.40.40.2	ICMP	100	Echo (ping) r
8	2.148645894	40.40.40.2	50.50.50.50	ICMP	100	Echo (ping) r

Frame 1: 55 bytes on wire (440 bits), 55 bytes captured (440 bits) on interface 0

- Linux cooked capture
- Logical-Link Control
- Spanning Tree Protocol

any: <live capture in progress> Packets: 15 · Displayed: 15 (100.0%) Profile

test@Lubuntu-vm:~\$ tracepath -n 40.40.40.2

```
17: [LOCALHOST]
1: 40.40.40.2
1: 40.40.40.2
Resume: pmtu 1500 hops 1 back 1
test@Lubuntu-vm:~$ 2-4
2-4: command not found
test@Lubuntu-vm:~$ ping 40.40.40.2
PING 40.40.40.2 (40.40.40.2) 56(84) bytes of data:
64 bytes from 40.40.40.2: icmp_seq=1 ttl=64 time=0.692 ms
64 bytes from 40.40.40.2: icmp_seq=2 ttl=64 time=0.772 ms
64 bytes from 40.40.40.2: icmp_seq=3 ttl=64 time=0.851 ms
64 bytes from 40.40.40.2: icmp_seq=4 ttl=64 time=0.772 ms
--- 40.40.40.2 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 1600ms
rtt min/avg/max/mdev = 0.692/0.772/0.851/0.079 ms
test@Lubuntu-vm:~$
```