



**Department of Computer
Science and Engineering**

Advanced Computer Networks

UE16CS346

Lab Assignment 1

Dweepa Prasad	01FB16ECS138
Ishita Bhandari	01FB16ECS143
Shashank Prabhakar	01FB16ECS356
Shrey Tiwari	01FB16ECS368

Problem Statement

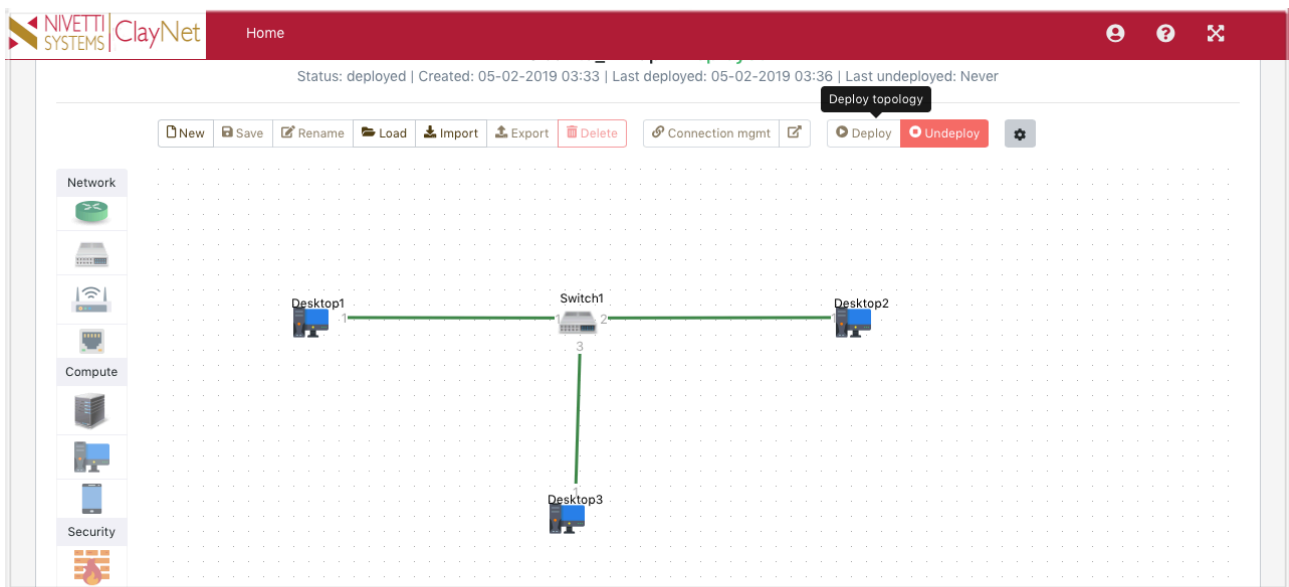
Connect three systems together with a switch and setup the network in such a way that the three systems are able to communicate with each other. Demonstrate this with the help of the ping.

Procedure

- Login into ClayNet and setup the topology.
- Configuration for the Desktops: 1GB RAM, Ubuntu 16.04 OS.
- Deploy the topology and download the .vnc files for each of the systems.
- Login into every system and set the IP address as required. (User: test, Password: test)
- Run the ping command and show the output.

Screenshots

- Topology



- Ping

```
test@Ubuntu-1604: ~  
test@Ubuntu-1604:~$ ping 192.168.1.1  
PING 192.168.1.1 (192.168.1.1) 56(84) bytes of data:  
64 bytes from 192.168.1.1: icmp_seq=1 ttl=64 time=1.42 ms  
64 bytes from 192.168.1.1: icmp_seq=2 ttl=64 time=0.843 ms  
64 bytes from 192.168.1.1: icmp_seq=3 ttl=64 time=0.770 ms  
64 bytes from 192.168.1.1: icmp_seq=4 ttl=64 time=1.12 ms  
64 bytes from 192.168.1.1: icmp_seq=5 ttl=64 time=2.12 ms  
64 bytes from 192.168.1.1: icmp_seq=6 ttl=64 time=0.751 ms  
64 bytes from 192.168.1.1: icmp_seq=7 ttl=64 time=0.731 ms  
64 bytes from 192.168.1.1: icmp_seq=8 ttl=64 time=0.922 ms  
64 bytes from 192.168.1.1: icmp_seq=9 ttl=64 time=0.927 ms  
64 bytes from 192.168.1.1: icmp_seq=10 ttl=64 time=0.660 ms  
64 bytes from 192.168.1.1: icmp_seq=11 ttl=64 time=0.898 ms  
64 bytes from 192.168.1.1: icmp_seq=12 ttl=64 time=0.890 ms  
64 bytes from 192.168.1.1: icmp_seq=13 ttl=64 time=1.00 ms  
64 bytes from 192.168.1.1: icmp_seq=14 ttl=64 time=0.793 ms  
64 bytes from 192.168.1.1: icmp_seq=15 ttl=64 time=0.825 ms  
64 bytes from 192.168.1.1: icmp_seq=16 ttl=64 time=0.814 ms
```