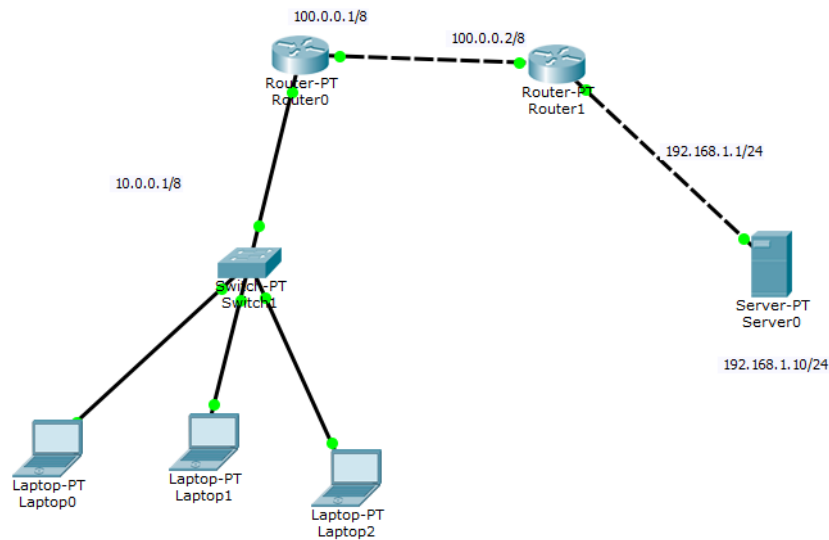


# LAB-11

Rao Nauman

P19-0073

## Topology:



## Router 1:

```
rl#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
rl(config)#access-list 1 permit 10.0.0.0 0.255.255.255
rl(config)#ip nat pool ccna 50.0.0.1 50.0.0.2 netmask 255.0.0.0
rl(config)#ip nat inside source list 1 pool ccna
rl(config)#int f0/1
%Invalid interface type and number
rl(config)#int f1/0
rl(config-if)#ip nat inside
rl(config-if)#ip nat inside f1/0
rl(config-if)#ip nat outside
rl(config-if)#ex
rl(config)#ip route 200.0.0.0 255.255.255.0 100.0.0.2
rl(config)#ip route 200.0.0.0 255.255.255.252 100.0.0.2
rl(config)#
rl(config)#no ip route 200.0.0.0 255.255.255.252 100.0.0.2
rl(config)#no ip route 200.0.0.0 255.255.255.0 100.0.0.2
rl(config)#ip route 200.0.0.0 255.255.255.0 100.0.0.2
rl(config)#ip route 200.0.0.0 255.255.255.252 100.0.0.2
rl(config)#
```

## Router 2:

```

r2(config)#ip route 50.0.0.0 255.0.0.0 100.0.0.0
r2(config)#
r2(config)#no ip route 50.0.0.0 255.0.0.0 100.0.0.0
r2(config)#
r2(config)#interface FastEthernet1/0
r2(config-if)#
r2(config-if)#exit
r2(config)#interface FastEthernet0/0
r2(config-if)#
r2(config-if)#exit

```

Server:

**IP Configuration**
X

Interface FastEthernet0

IP Configuration

☐ DHCP
☒ Static

IP Address
192.168.1.10

Subnet Mask
255.255.255.0

Default Gateway
192.168.1.1

DNS Server

IPv6 Configuration

☐ DHCP
☐ Auto Config
☒ Static

IPv6 Address
 /

Link Local Address
FE80::201:43FF:FE05:D3AC

IPv6 Gateway

IPv6 DNS Server

Pinging:

```

PC>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:

Reply from 10.0.0.1: Destination host unreachable.
Reply from 10.0.0.1: Destination host unreachable.
Reply from 10.0.0.1: Destination host unreachable.
Reply from 10.0.0.1: Destination host unreachable.

Ping statistics for 192.168.1.10:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

```

```
PC>ping 200.0.0.10

Pinging 200.0.0.10 with 32 bytes of data:

Request timed out.
Reply from 200.0.0.10: bytes=32 time=0ms TTL=126
Reply from 200.0.0.10: bytes=32 time=0ms TTL=126
Reply from 200.0.0.10: bytes=32 time=0ms TTL=126

Ping statistics for 200.0.0.10:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>|
```