

20BDS0146

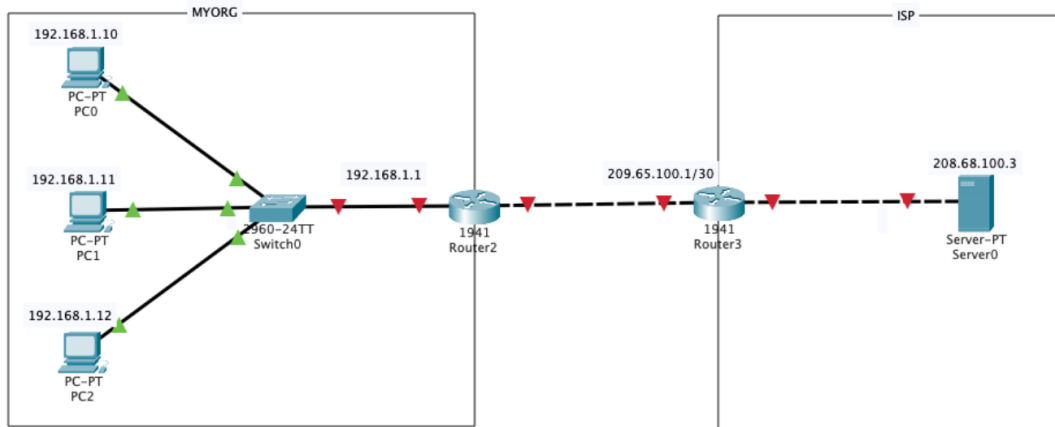
VENNELA G

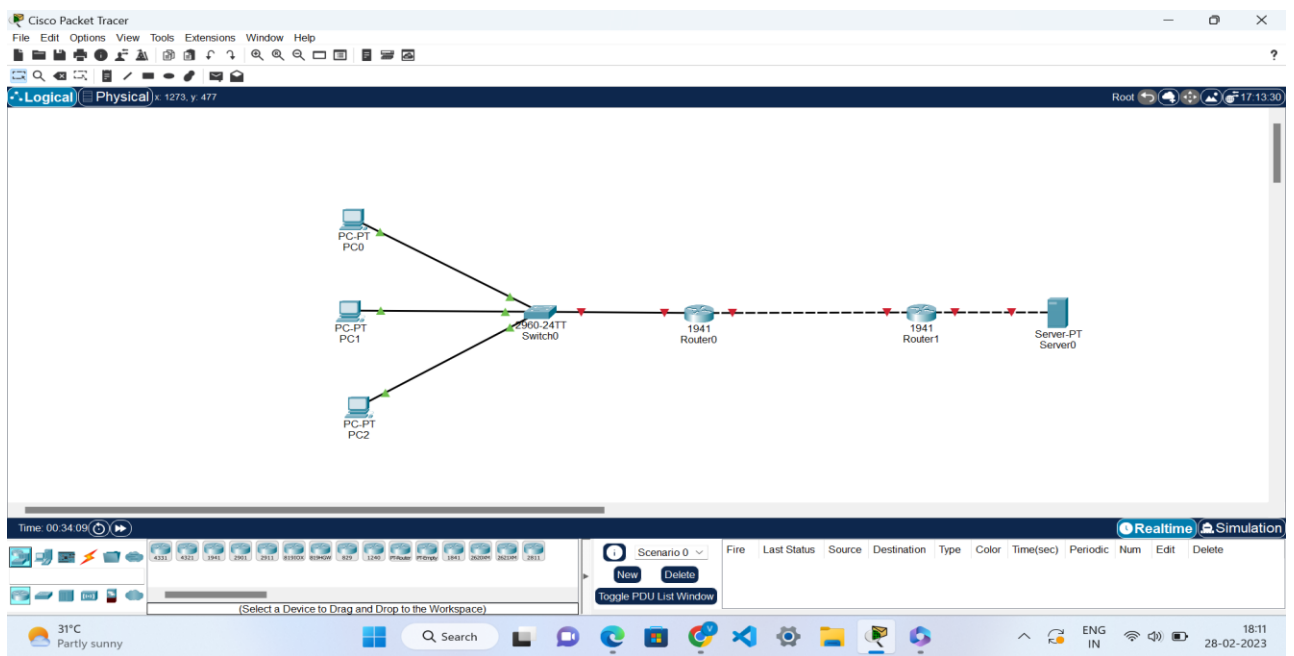
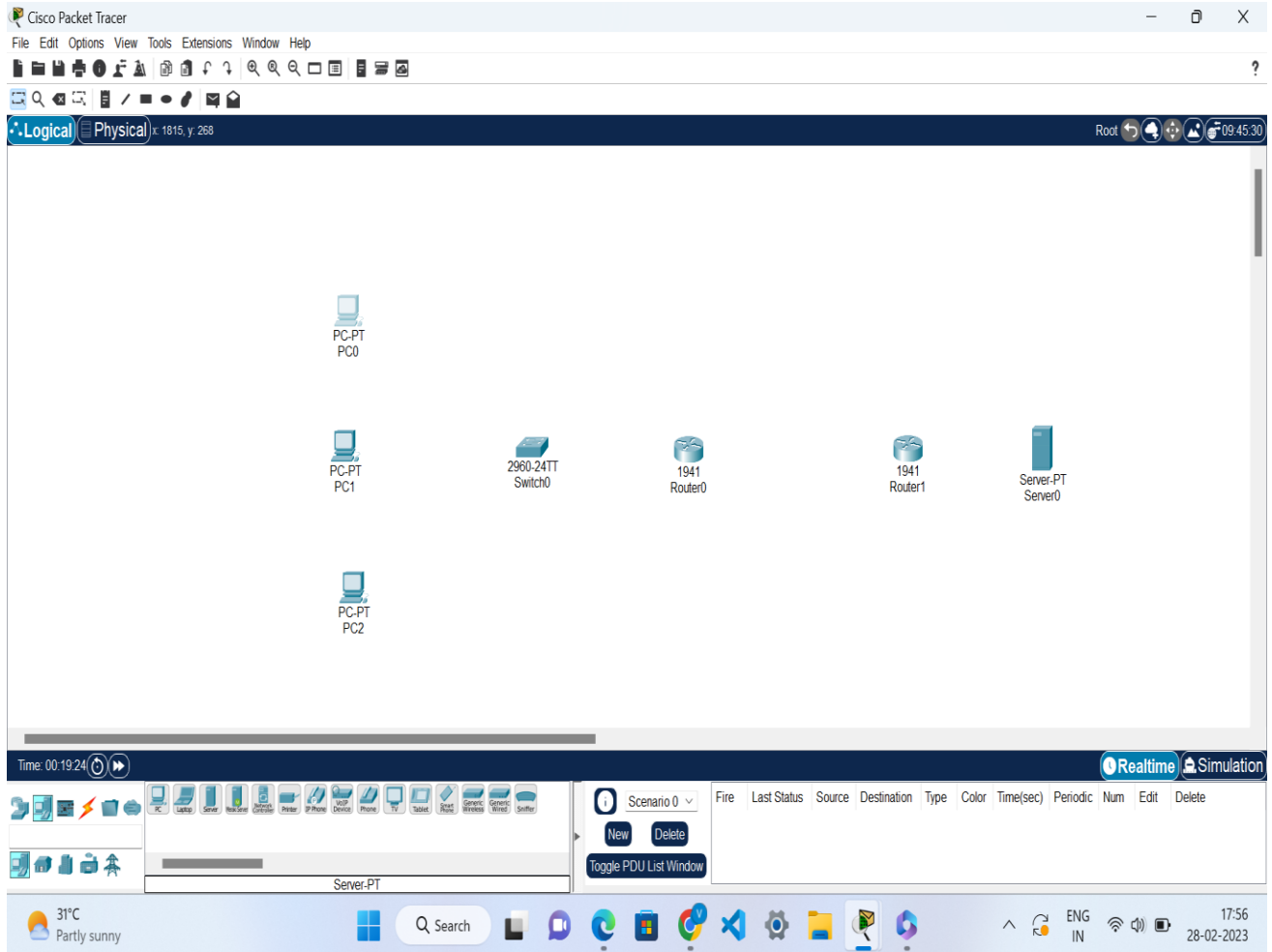
**INFORMATION SECURITY
MANAGEMENT LAB**

L37+38

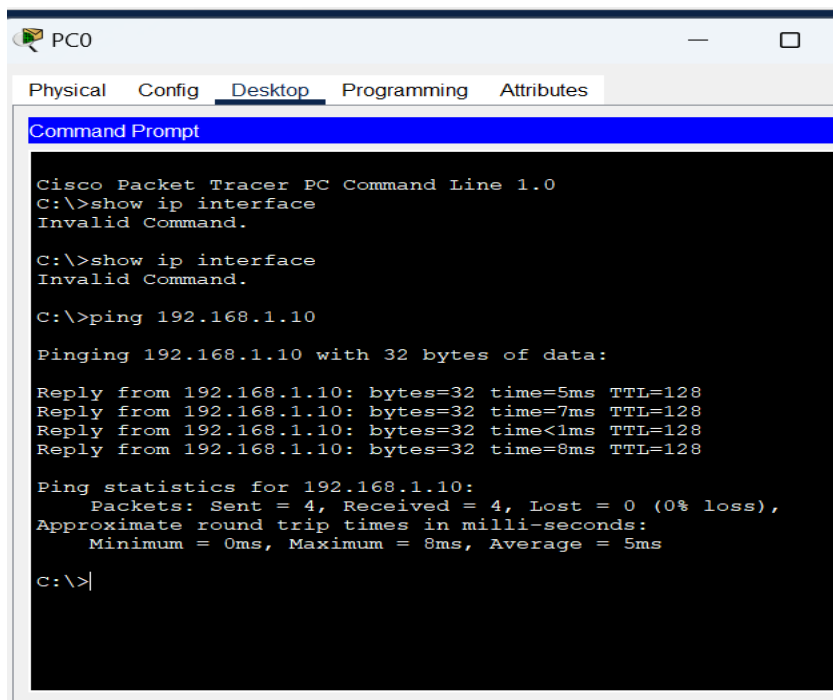
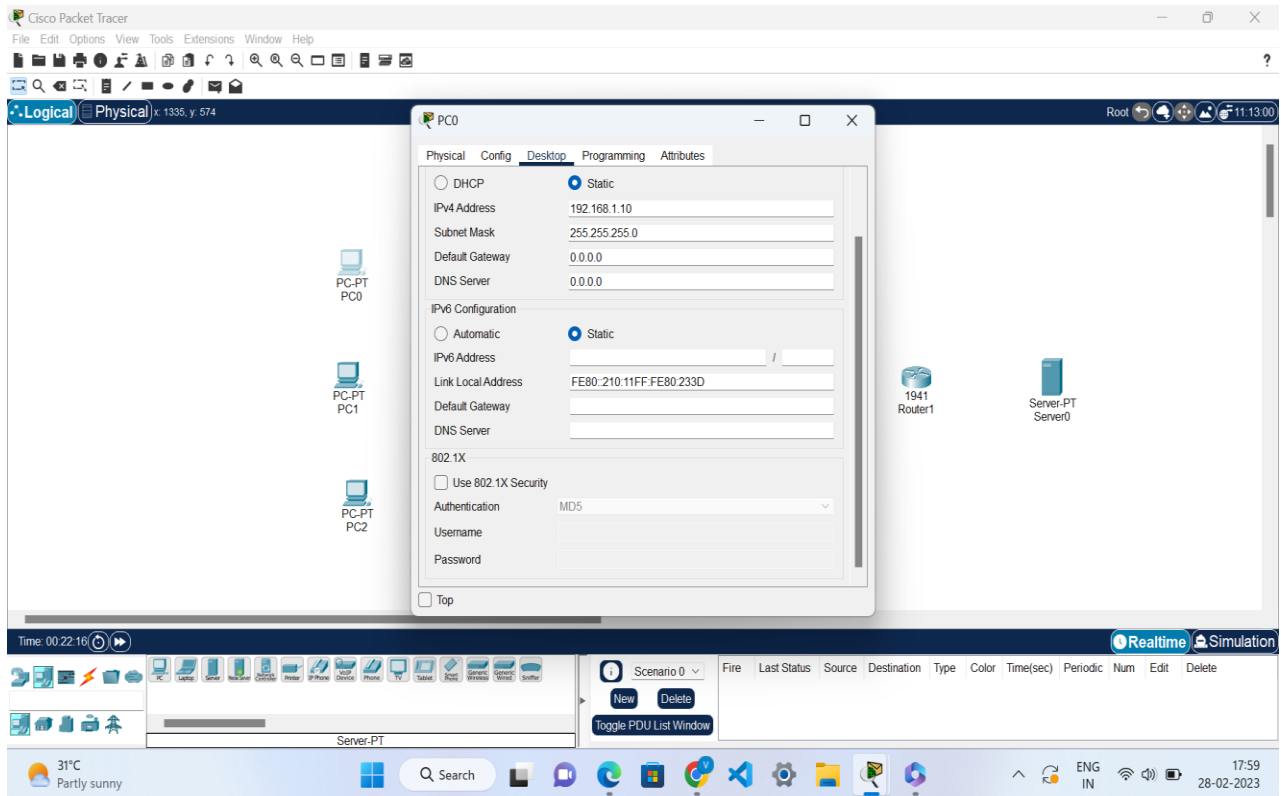
ASSIGNMENT 4

Static NAT (Network Address Translation) Configuration using CISCO Packet Tracer

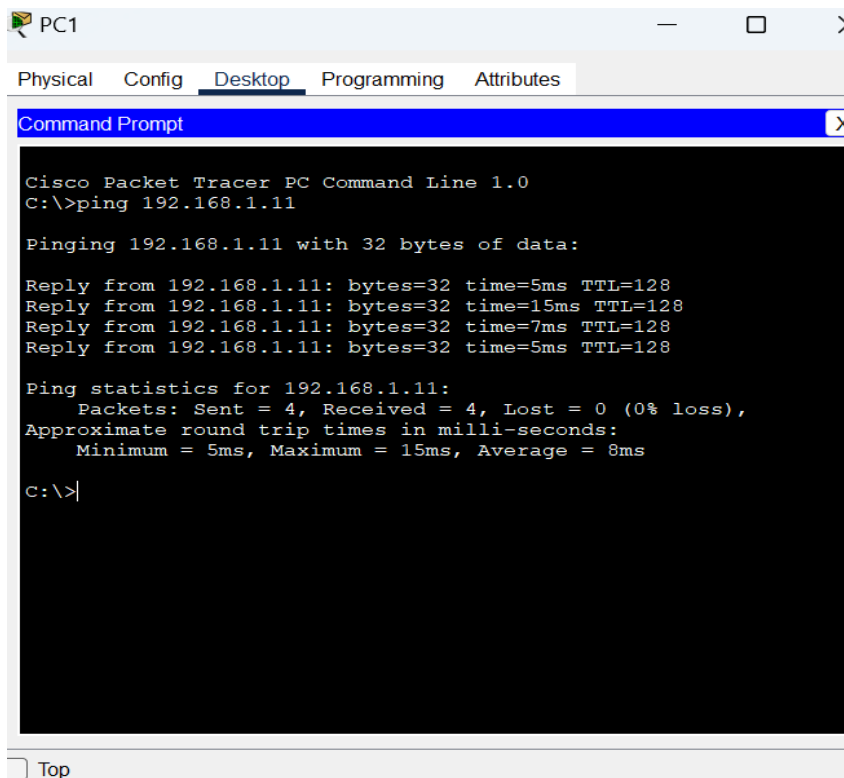
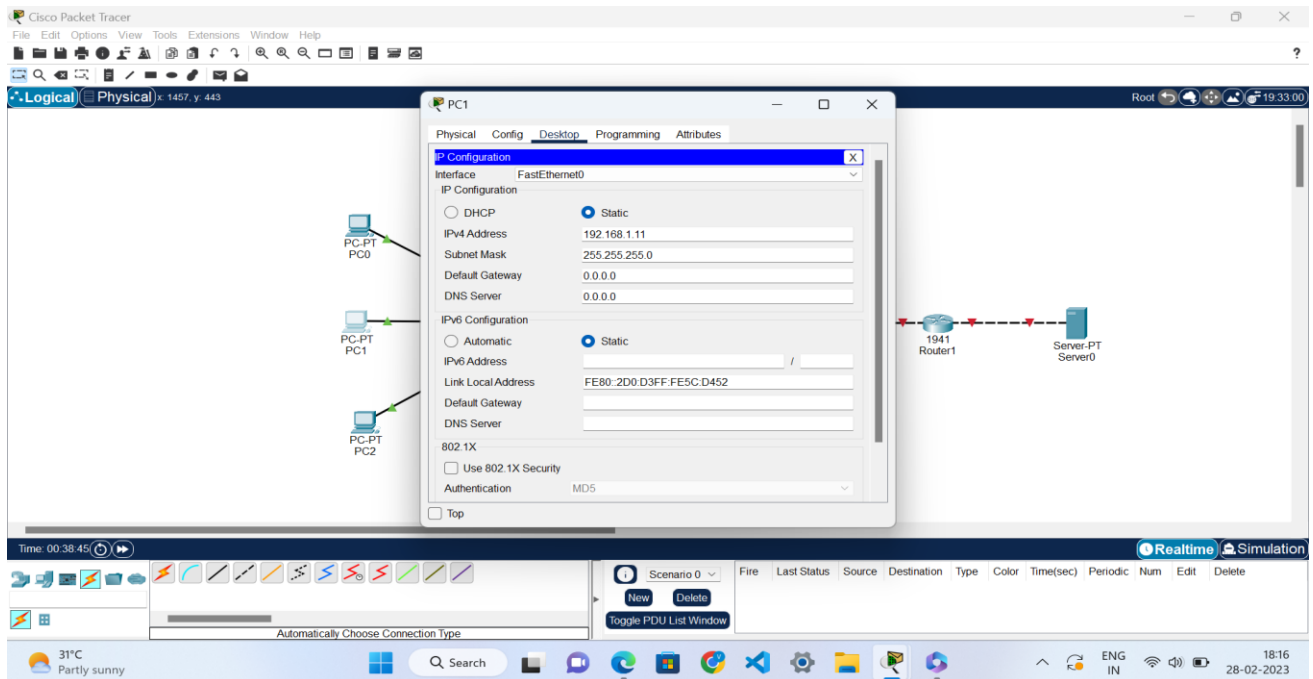




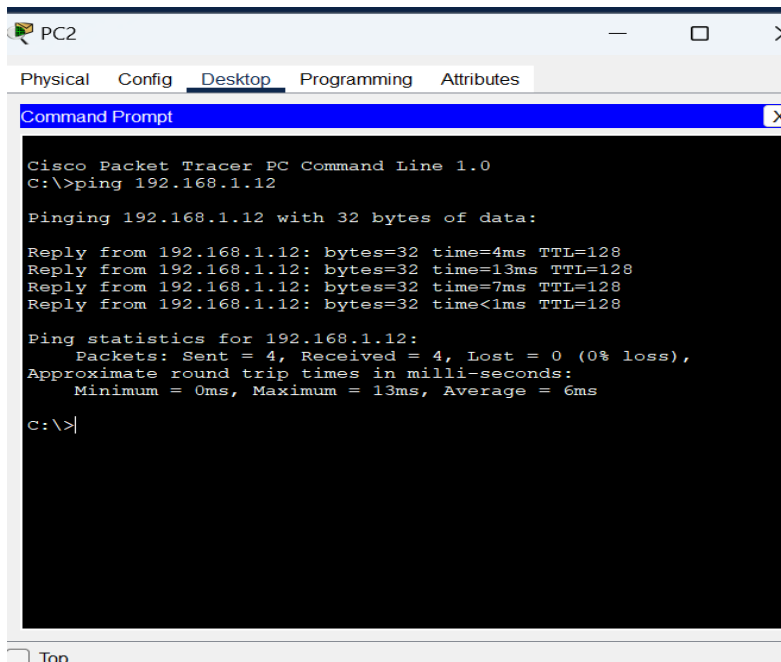
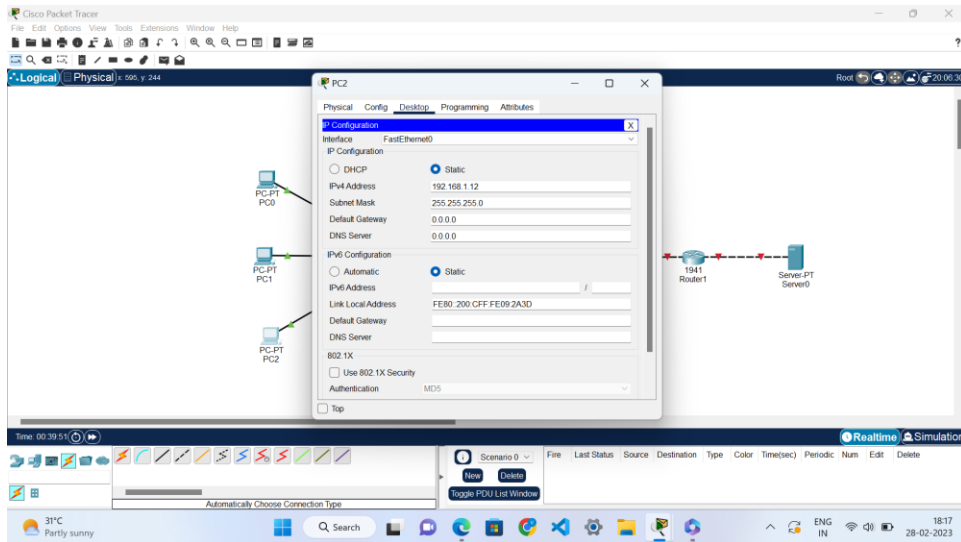
PC0- IP Address: 192.168.1.10 Subnet Mask: 255.255.255.0



PC1 -IP Address: 192.168.1.11 Subnet Mask: 255.255.255.0



PC2- IP Address: 192.168.1.12 Subnet Mask: 255.255.255.0



ROUTER 2

Router2

Physical Config CLI Attributes

IOS Command Line Interface

```
Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname MYORG
MYORG(config)#interface gigabitEthernet 0/0
MYORG(config-if)#ip address 192.168.1.1 255.255.255.0
MYORG(config-if)#exit
MYORG(config)#interface gigabitEthernet 0/1
MYORG(config-if)#ip address 209.65.100.1 255.255.255.252
MYORG(config-if)#no shutdown
MYORG(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state
to up
MYORG(config-if)#exit
MYORG(config)#interface gigabitEthernet 0/0
MYORG(config-if)#no shutdown
MYORG(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state
to up
MYORG(config-if)#
```

Copy Paste

Router3

Physical Config CLI Attributes

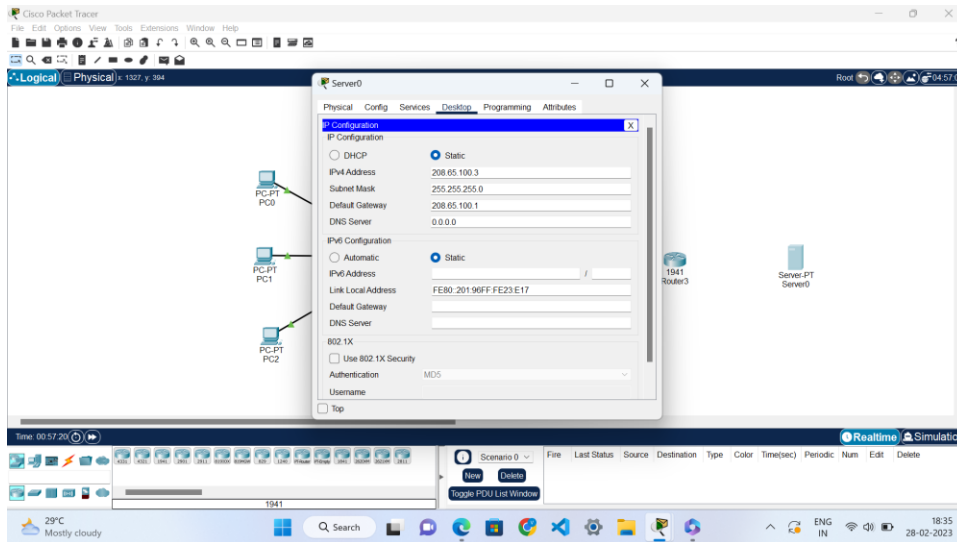
IOS Command Line Interface

```
Press RETURN to get started:

Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname ISP
ISP(config)#interface gigabitEthernet 0/0
ISP(config-if)#ip address 209.65.100.2 255.255.255.252
ISP(config-if)#no shutdown
ISP(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state
to up
ISP(config-if)#exit
ISP(config)#interface gigabitEthernet 0/1
ISP(config-if)#ip address 208.65.100.1 255.255.255.248
ISP(config-if)#no shutdown
ISP(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state
to up
ISP(config-if)#
```

Copy Paste

SERVER 0



ROUTER 2

```

Router2
Physical Config CLI Attributes
IOS Command Line Interface

MYORG>en
MYORG#config t
Enter configuration commands, one per line. End with CNTL/Z.
MYORG(config)#ip route 0.0.0.0 0.0.0.0 209.65.100.2
MYORG(config)#exit
MYORG#
%SYS-5-CONFIG_I: Configured from console by console

MYORG#ping 209.65.100.2

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 209.65.100.2, timeout is 2
seconds:
.!!!!
Success rate is 80 percent (4/5), round-trip min/avg/max =
0/9/39 ms

MYORG#209.65.100.1
Trying 209.65.100.1 ...Open

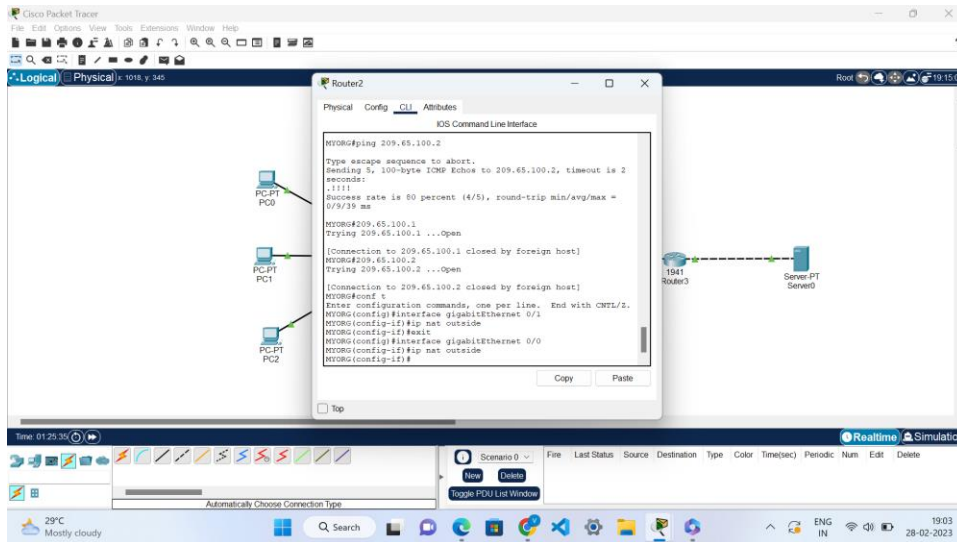
[Connection to 209.65.100.1 closed by foreign host]
MYORG#209.65.100.2
Trying 209.65.100.2 ...Open

[Connection to 209.65.100.2 closed by foreign host]

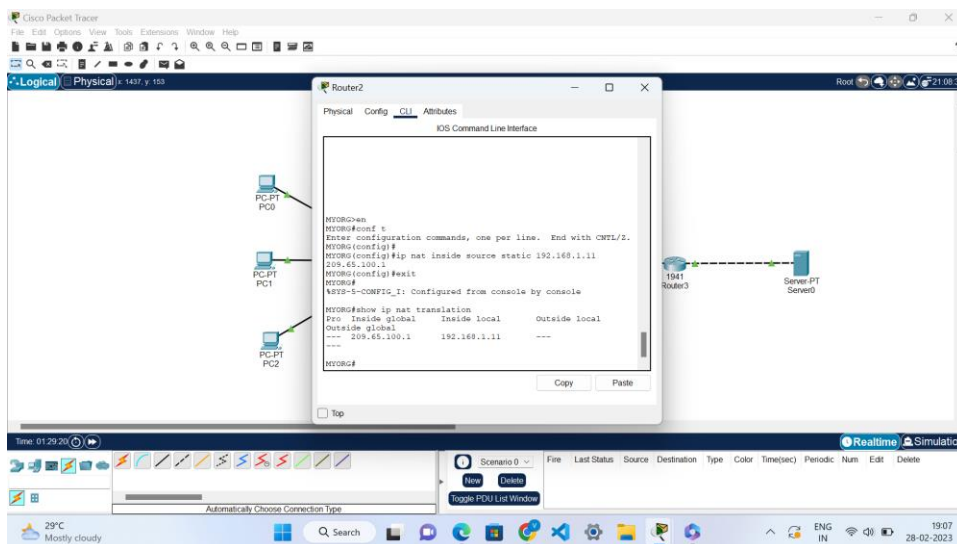
```

Static NAT Configuration

ROUTER 2



Determine which IP should be allowed to communicate



Testing the connection

