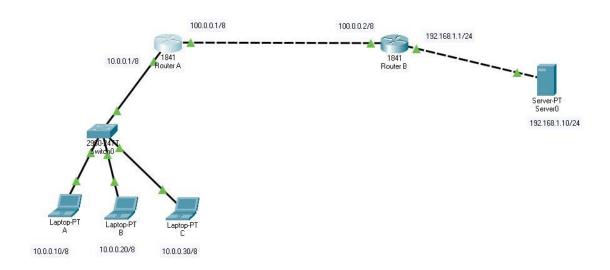
Name: Muhammad Abeer

Roll no: 19P-0061

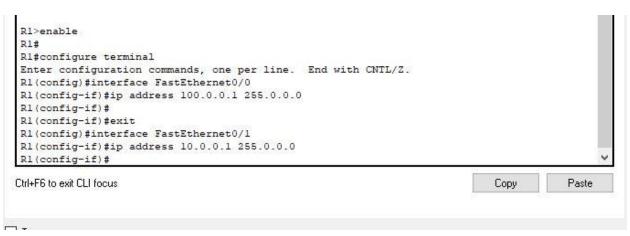
Section: 5-B

## Lab Work 11

# **Dynamic NAT**



### **Router A**



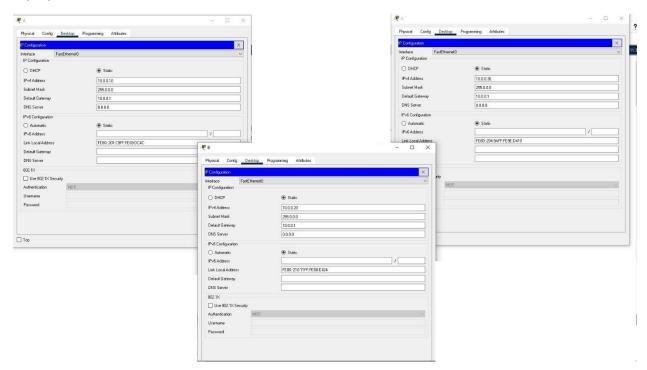
#### **Router B**

```
R2=enable
R2#
R2#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#interface FastEthernet0/0
R2(config-if)#ip address 100.0.0.2 255.0.0.0
R2(config-if)#
R2(config-if)#
R2(config-if)#exit
R2(config-if)#ip address 192.168.1.1 255.255.255.0
R2(config-if)#

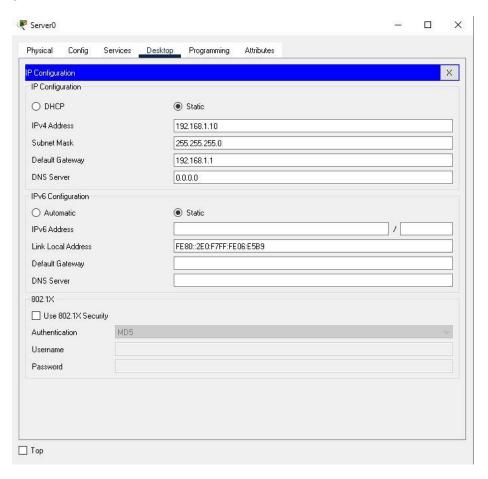
Ctrl+F6 to exit CLI focus

Copy
Paste
```

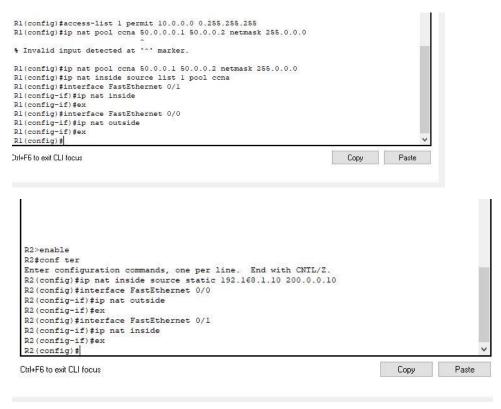
#### **Laptop IP**



#### **SERVER**



#### Configuring Dynamic NAT on Router A & Static NAT on Router B

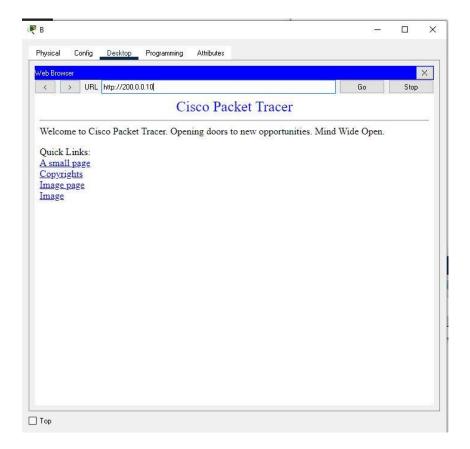


### Configuring Static Routing in Router A & B



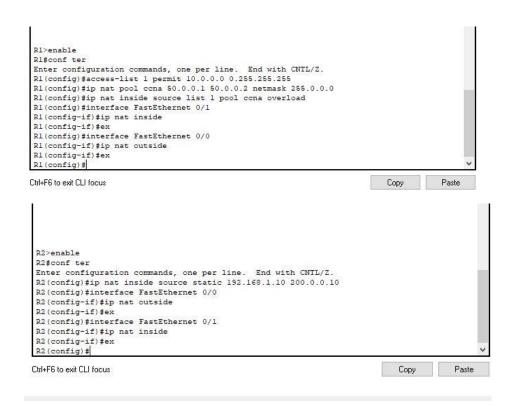
#### **Testing Setup**

```
A
                                                                                                                                       - □ ×
   Physical Config Desktop Programming Attributes
   Command Prompt
                                                                                                                                                       X
    Packet Tracer PC Command Line 1.0 C:\>ipconfig
    FastEthernet0 Connection:(default port)
        Connection-specific DNS Suffix.:
Link-local IPv6 Address.: FE30::201:C9FF:FE69:DC4C
IPv6 Address.: 10.0.0.10
Subnet Mask.: 255.0.0.0
Default Gateway:: 10.0.0.1
    Bluetooth Connection:
         Connection-specific DNS Suffix.:
Link-local IPv6 Address. ::
IPv6 Address : ::
IPv4 Address : : 0.00.0.0
Subnet Mask : : 0.0.0.0
Default Gateway : : : :
    C:\>ping 192.168.1.10
    Pinging 192.168.1.10 with 32 bytes of data:
    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),
    C:\>ping 200.0.0.10
Пор
      C:\>ping 200.0.0.10
     Pinging 200.0.0.10 with 32 bytes of data:
    Request timed out.
Request timed out.
Reply from 200.0.0.10: bytes=32 time<lms TTL=126
Reply from 200.0.0.10: bytes=32 time<lms TTL=126
     Ping statistics for 200.0.0.10:
     Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
     C:\>
```



# P NAT Working

## Configuring P NAT on Router A & Static NAT on Router B



#### **TESTING SETUP**

