Abubakkar Abdullah

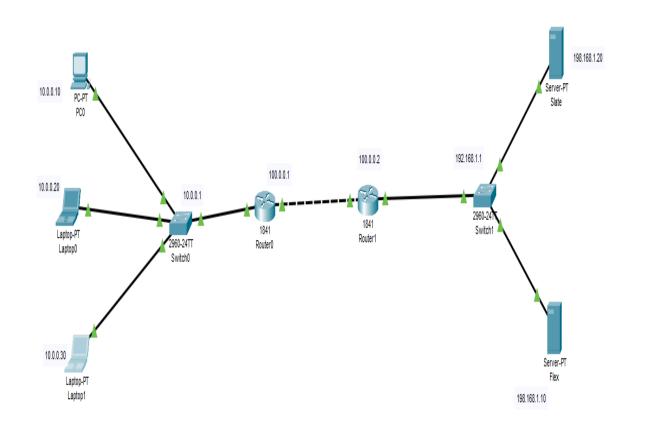
20p-0045

Section-5B

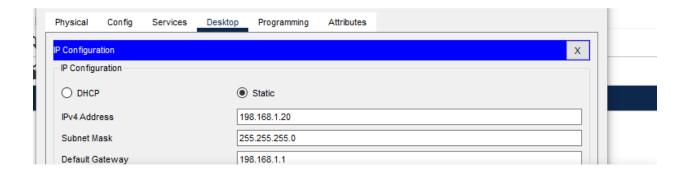
BCS

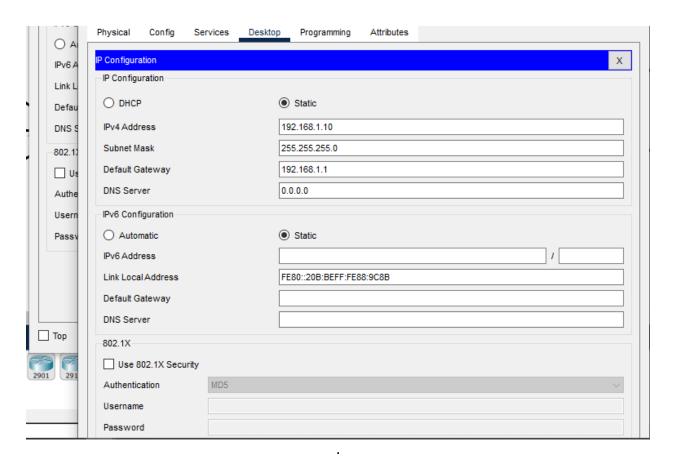
Lab-12 Task

Diagramatically:

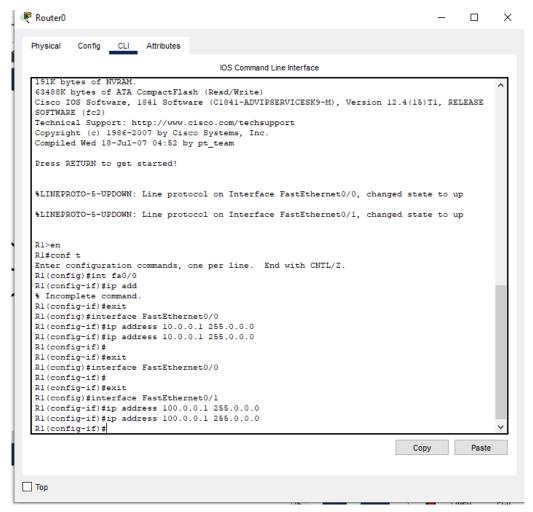


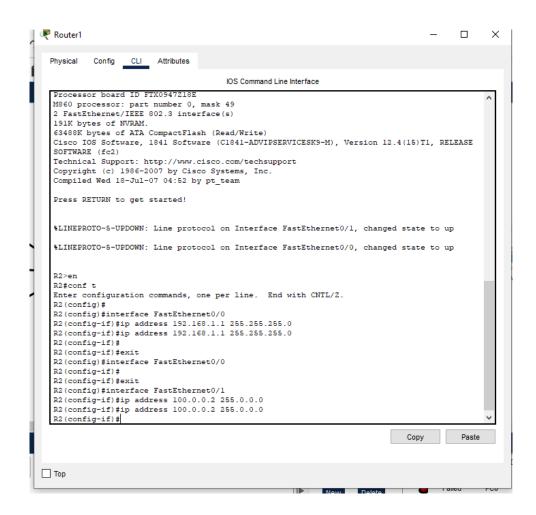
Diagramatically:





Diagramatically:





NAT Working:

```
R1(config-if)#
R1(config-if)#
  R1(config-if)#
R1(config-if)#
  R1(config-if)#
R1(config-if)#
   R1(config-if)#
  R1(config-if)#
   R1(config-if)#
  Rl(config-if) #Rl(config) #ip nat inside source s^Z
   R1#
   %SYS-5-CONFIG I: Configured from console by console
  R1#en
   Rl#conf t
   Enter configuration commands, one per line. End with CNTL/Z.
   R1(config) #ip nat inside source static 10.0.0.10 50.0.0.10
  Rl(config)#interface FastEthernet 0/0
   Rl(config-if)#ip nat inside
  Rl(config-if)#exit
   R1(config)#
  R1(config)#interface FastEthernet 0/1
   Rl(config-if)#ip nat outside
  Rl(config-if)#exit
  R1(config) #ip nat inside source static 10.0.0.20 50.0.0.20 R1(config) #ip nat inside source static 10.0.0.30 50.0.0.30
  R1(config)#
                                                                                          Сору
                                                                                                        Paste
____ Тор
```

NAT WORKING FOR ROUTER 2:

```
KI(CONFIG-1F)#
R1(config-if)#
R1(config-if)#
R1(config-if)#
R1(config-if)#
R1(config-if)#
R1(config-if)#
R1(config-if)#
R1(config-if)#
R1(config-if)#
R1(config-if) #R1(config) #ip nat inside source s^Z
R1#
%SYS-5-CONFIG_I: Configured from console by console
R1#en
R1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config) #ip nat inside source static 10.0.0.10 50.0.0.10
Rl(config)#interface FastEthernet 0/0
Rl(config-if)#ip nat inside
Rl(config-if)#exit
R1(config)#
Rl(config)#interface FastEthernet 0/1
R1(config-if)#ip nat outside
Rl(config-if)#exit
R1(config) #ip nat inside source static 10.0.0.20 50.0.0.20
R1(config) #ip nat inside source static 10.0.0.30 50.0.0.30
R1(config)#
                                                                           Copy
                                                                                       Paste
```

Тор

```
Physical Config Desktop Programming
                                Attributes
Command Prompt
                                                                    X
Cisco Packet Tracer PC Command Line 1.0
C:\>ipconfig
FastEthernet0 Connection: (default port)
   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.....: FE80::260:2FFF:FE95:580D
   IPv6 Address....: ::
   IPv4 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..... 0.0.0.0
   Subnet Mask..... 0.0.0.0
   Default Gateway....:::
                                0.0.0.0
C:\>
```

```
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=11ms TTL=126

Reply from 200.0.0.10: bytes=32 time=11ms TTL=126

Ping statistics for 200 0 0 10:

C:\>ping 192.168.1.20

Pinging 192.168.1.20 with 32 bytes of data:

Reply from 10.0.0.1: Destination host unreachable.

Ping statistics for 192.168.1.20:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

```
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.
Reply from 10.0.0.1: Destination host unreachable.
Request timed out.
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),
```

PING TEST BETWEEN COMPUTERS IS SUCCESSFULL