

Computer Networks Lab

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Experiment -12

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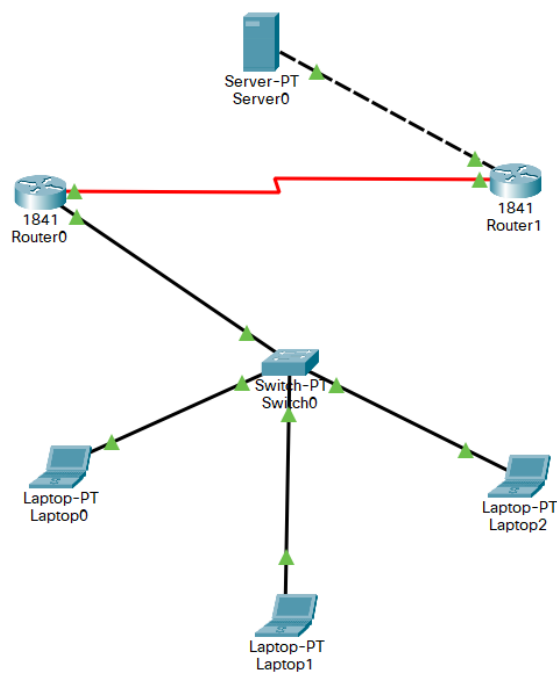
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L2 - SWE

Aim:

To design a NAT (Network Address Translation) on Cisco Packet Tracer

Setup:



Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	Laptop0	Laptop1	ICMP		0.000	N	0	(edit)	(delete)
	Successful	Laptop2	Laptop1	ICMP		0.000	N	1	(edit)	(delete)
	Successful	Laptop0	Laptop2	ICMP		0.000	N	2	(edit)	(delete)

The screenshot displays the Cisco IOS Command Line Interface (CLI) with the following content:

```
--- System Configuration Dialog ---
Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname VD
VD(config)#interface FastEthernet 0/0
VD(config-if)#ip address 10.0.0.1 255.0.0.0
VD(config-if)#no shutdown

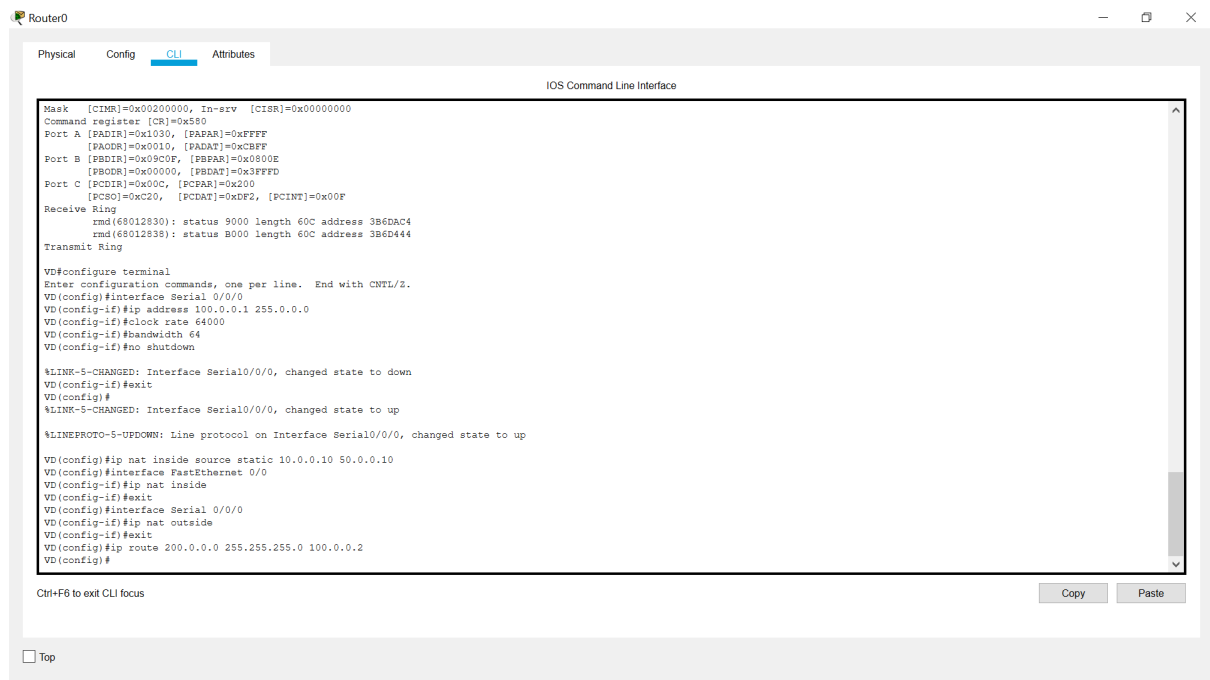
VD(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

VD(config-if)#exit
VD(config)#exit
VD#
$Y8-5-CONFIG_I: Configured from console by console

VD#show controllers serial 0/0/0
Interface Serial0/0/0
Hardware is PowerQUICC MPC860
DCE V.35, clock rate 2000000
iob at 0x01001a04, driver data structure at 0x01004a00
SCC Registers:
General [GSMR]=0x2:0x00000000, Protocol-specific [FSMR]=0x8
Events [SCCE]=0x0000, Mask [SCCM]=0x0000, Status [SCS]=0x000
Transmit on Demand [TODR]=0x0, Data Sync [DSR]=0x7E7E
Interrupt Registers:
0x00000000 0x00000000 0x00000000 0x00000000 0x00000000 0x00000000 0x00000000 0x00000000
```

Below the CLI window, there is a text label "Ctrl+F6 to exit CLI focus" and two buttons: "Copy" and "Paste".

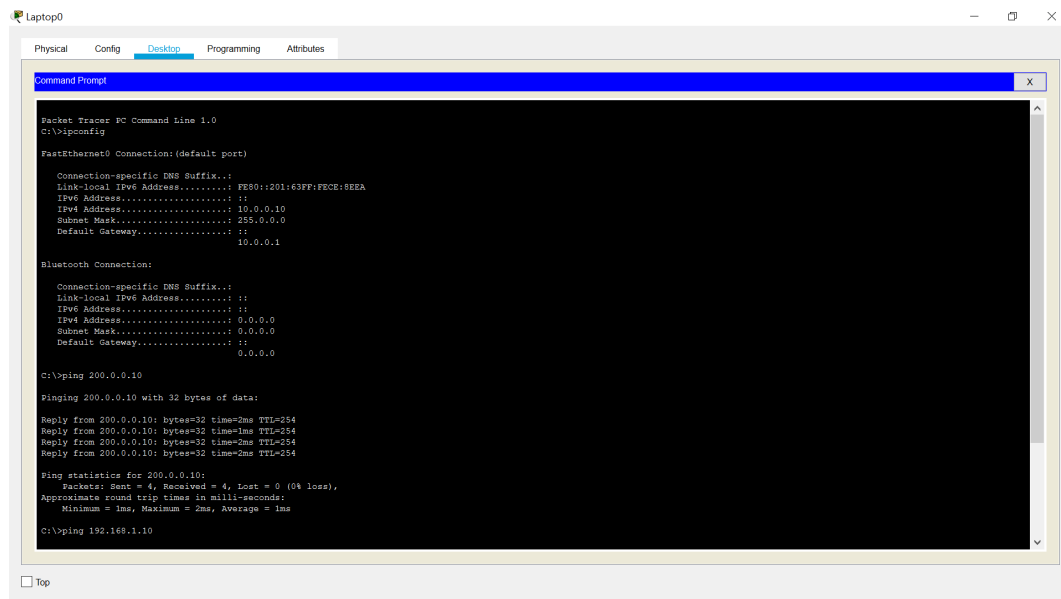
At the bottom left of the image, there is a checkbox labeled "Top".

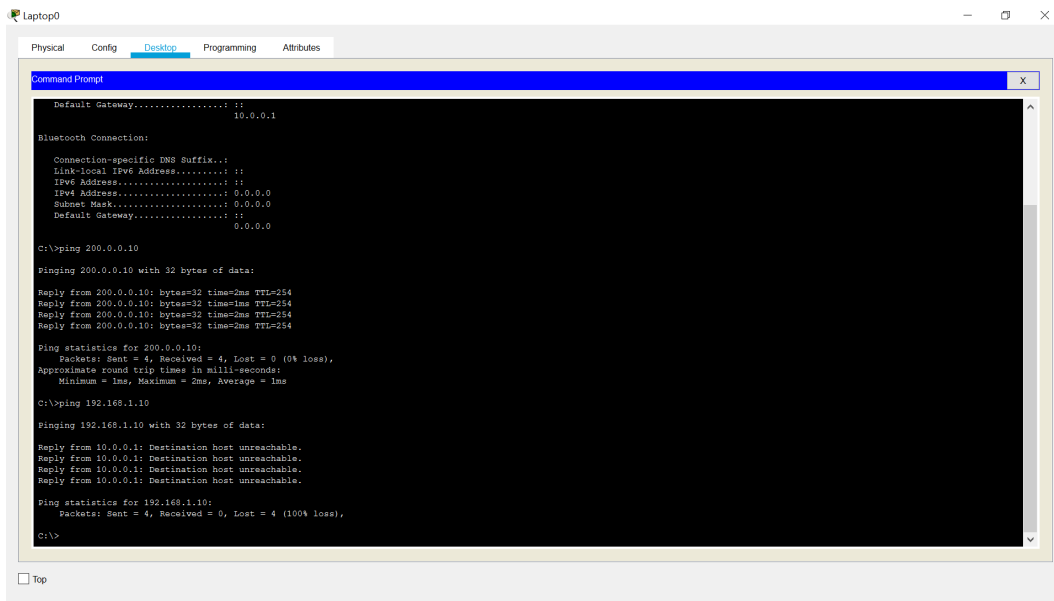


Router 1 CLI

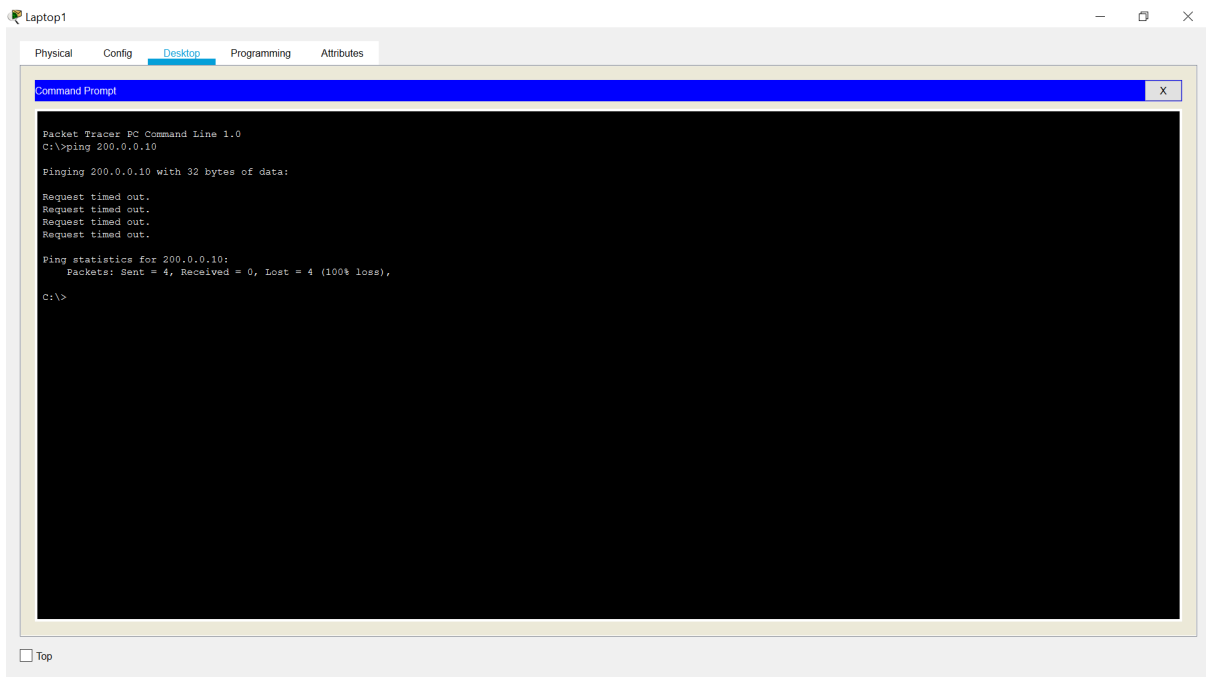


Laptop 0 CMD

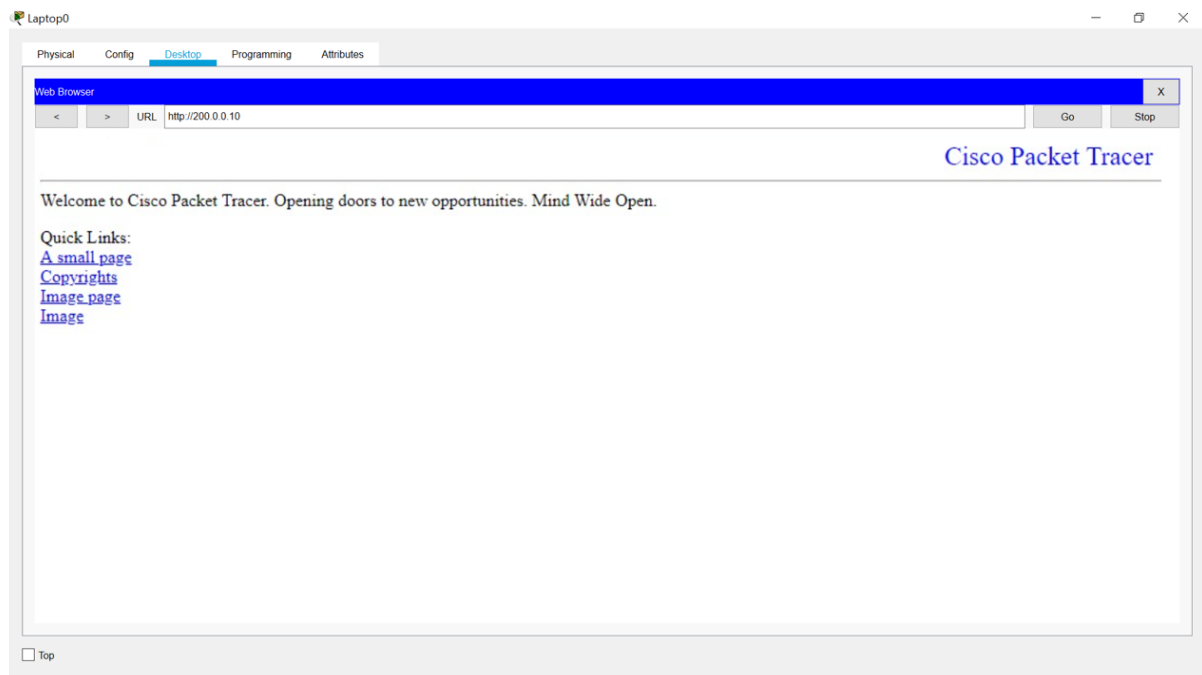




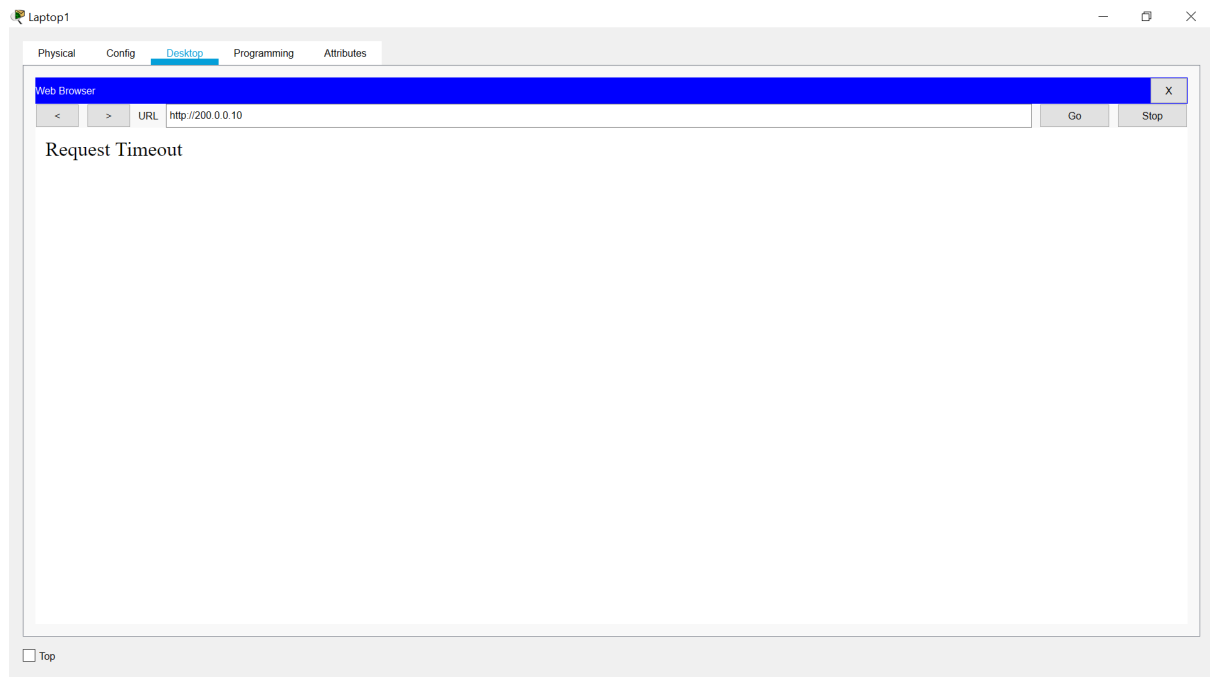
Laptop 1 CMD



Laptop 0 Browser



Laptop 1 Browser



RESULT

The above aim has been successfully achieved and verified.