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Course: MCA
Sec: A
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Subject: Computer - Networks
Subject Code: TMC-203

Problem statement: Design a network between the SOC department of GEU & GEHU. Also show the communication between user no1 of GEU and user No 2 of ~~GEU~~ GEHU.

Objective: creating a network between ~~2~~ two organisation.

Step 1: Add 2 Routers on logical screen.

Step 2: Add 2 PCs and 2 LAN.

Step 3: Join all the components with copper straight Throughout.

Step 4: Configure both the routers to connect each other

step 5: connect Routers with DTE

Step 6: Configure Router ID addresses.

Step 7: Configure PC id Addresses.

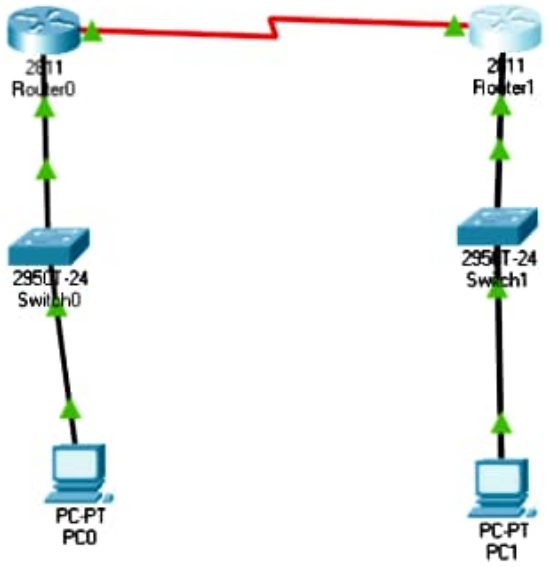
step 8: Check Network by sending a package.

Rahul

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 489, y: 301 [Root] 07:19:30

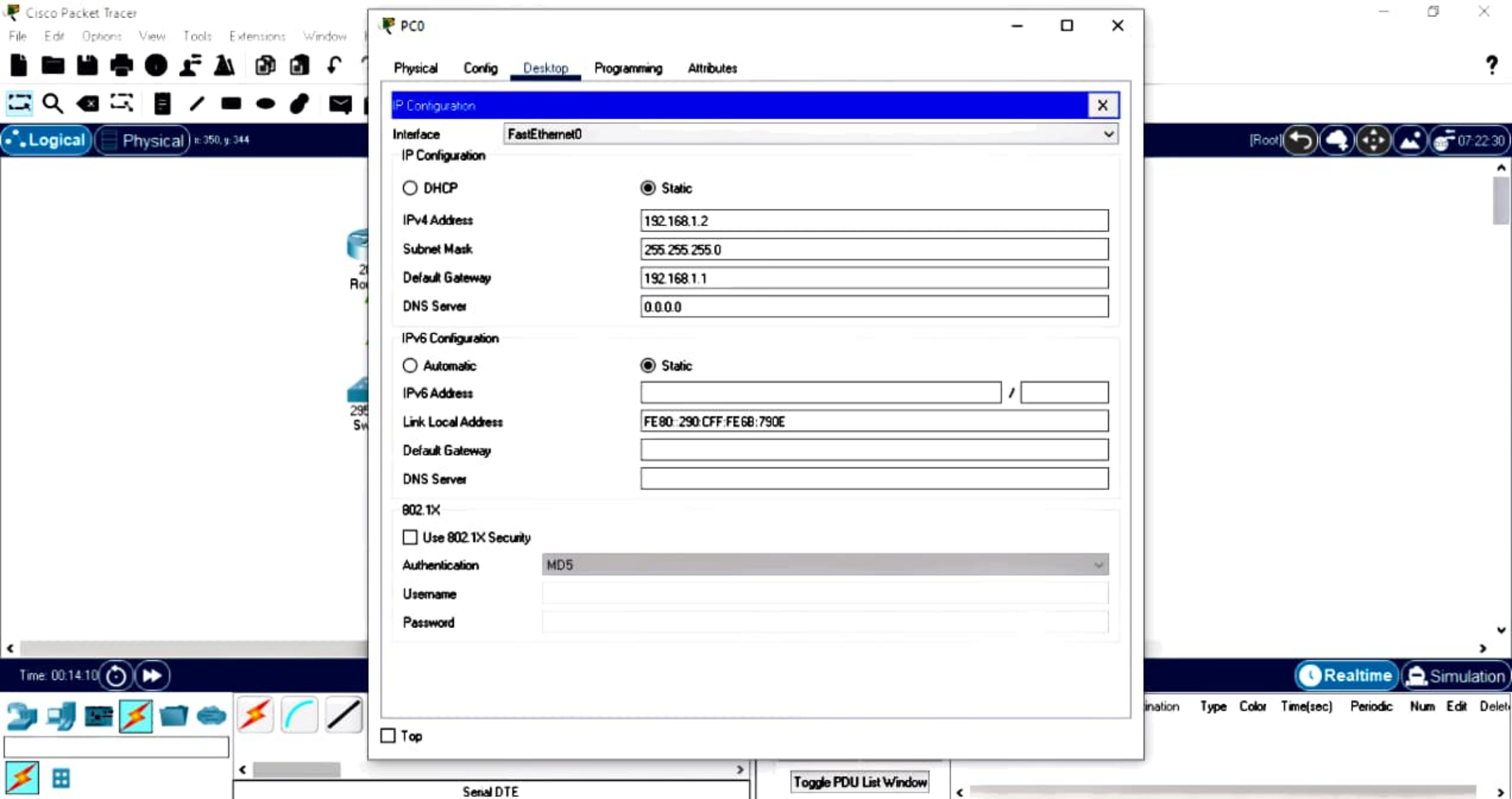


Time: 00:14:04 Realtime Simulation

Serial DTE

Scenario 0 New Delete Toggle PDU List Window

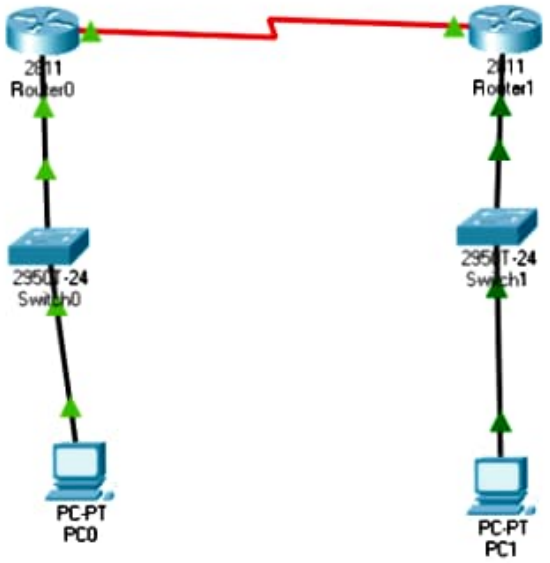
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Dele


Cisco Packet Tracer
File Edit Options View Tools Extensions Window
Logical
Physical
x: 350, y: 344
[Root]
07:22:30
Time: 00:14:10
Realtime
Simulation
Type Color Time(sec) Periodic Num Edit
Serial DTE
Toggle PDU List Window
PC0
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address 192.168.1.2
Subnet Mask 255.255.255.0
Default Gateway 192.168.1.1
DNS Server 0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address FE80::290:CFF:FE6B:790E
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication MD5
Username
Password
Top

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 565, y: 435 [Root] 07:58:00

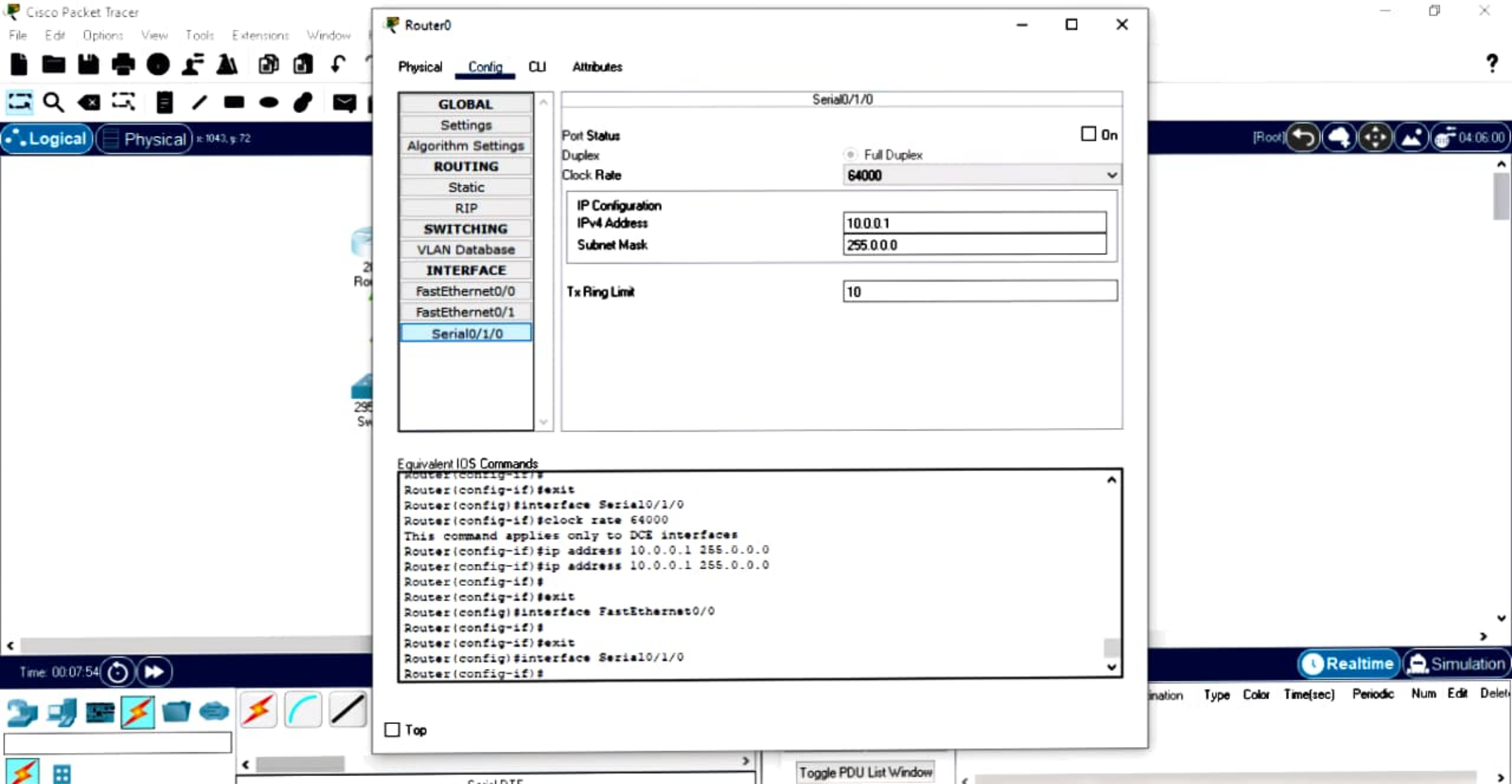


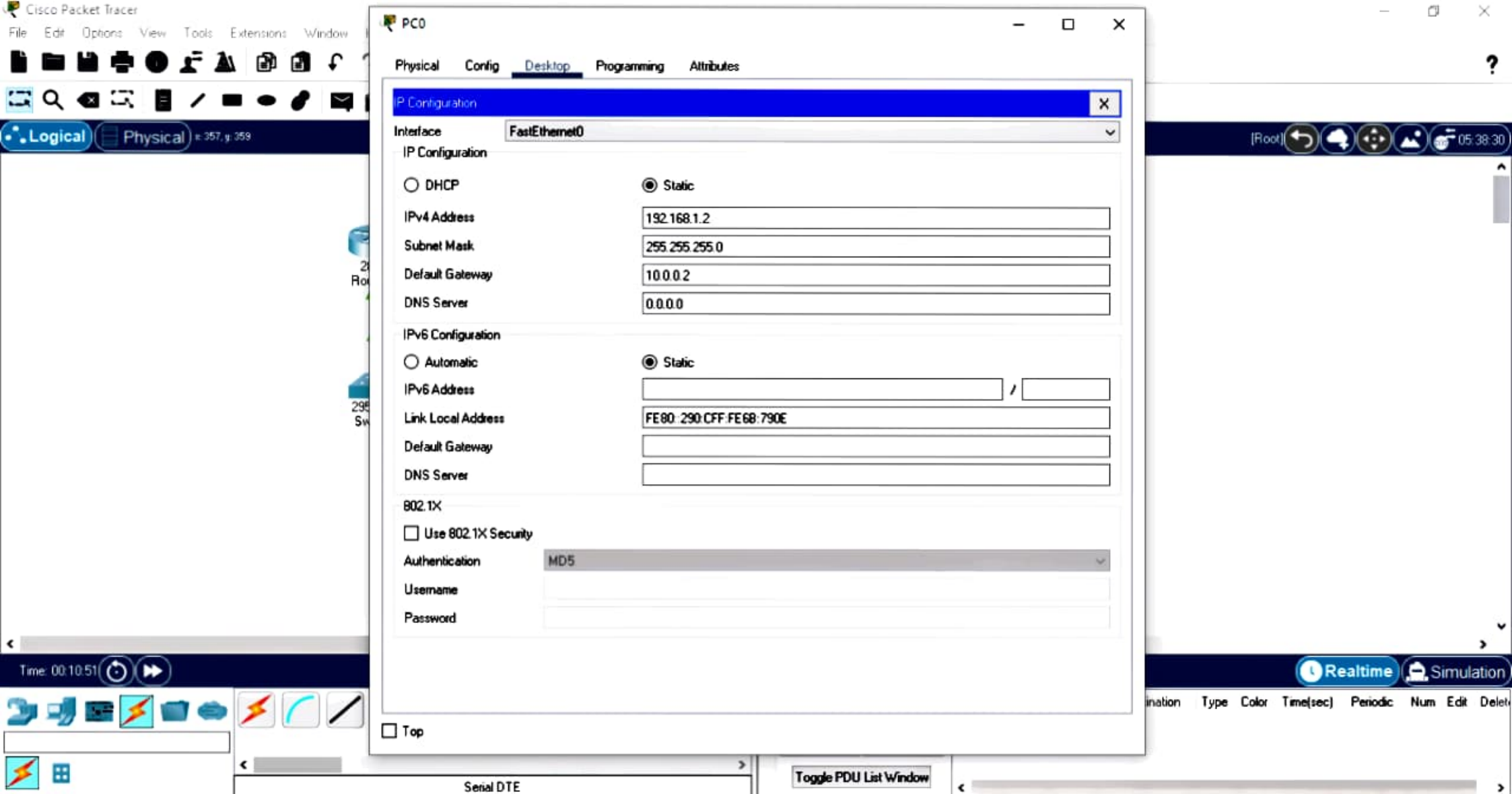
Time: 00:15:17 Realtime Simulation

Serial DTE

Scenario 0 New Delete Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	Router0	ICMP		0.000	N	0	(edit)	(delete)
	Failed	PC1	PC0	ICMP		0.000	N	1	(edit)	(delete)
	Successful	PC1	Router1	ICMP		0.000	N	2	(edit)	(delete)

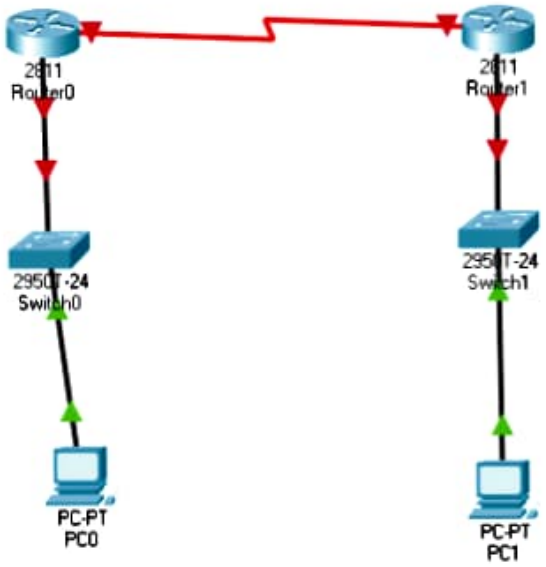

Cisco Packet Tracer
File Edit Options View Tools Extensions Window
Logical Physical
Router0
Physical Config CLI Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
FastEthernet0/0
FastEthernet0/1
Serial0/1/0
Serial0/1/0
Port Status
On
Duplex
Full Duplex
Clock Rate
64000
IP Configuration
IPv4 Address
10.0.0.1
Subnet Mask
255.0.0.0
Tx Ring Limit
10
Equivalent IOS Commands
Router(config-if)#exit
Router(config)#interface Serial0/1/0
Router(config-if)#clock rate 64000
This command applies only to DCE interfaces
Router(config-if)#ip address 10.0.0.1 255.0.0.0
Router(config-if)#ip address 10.0.0.1 255.0.0.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/1/0
Router(config-if)#
Top
Realtime
Simulation
Toggle PDU List Window


Cisco Packet Tracer
File Edit Options View Tools Extensions Window
Logical Physical x: 357, y: 359
[Root] 05:38:30
Time: 00:10:51
Realtime Simulation
Type Color Time(sec) Periodic Num Edit
Serial DTE
Toggle PDU List Window
PC0
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address 192.168.1.2
Subnet Mask 255.255.255.0
Default Gateway 10.0.0.2
DNS Server 0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address FE80::290:CFF:FE68:790E
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication MD5
Username
Password
Top

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

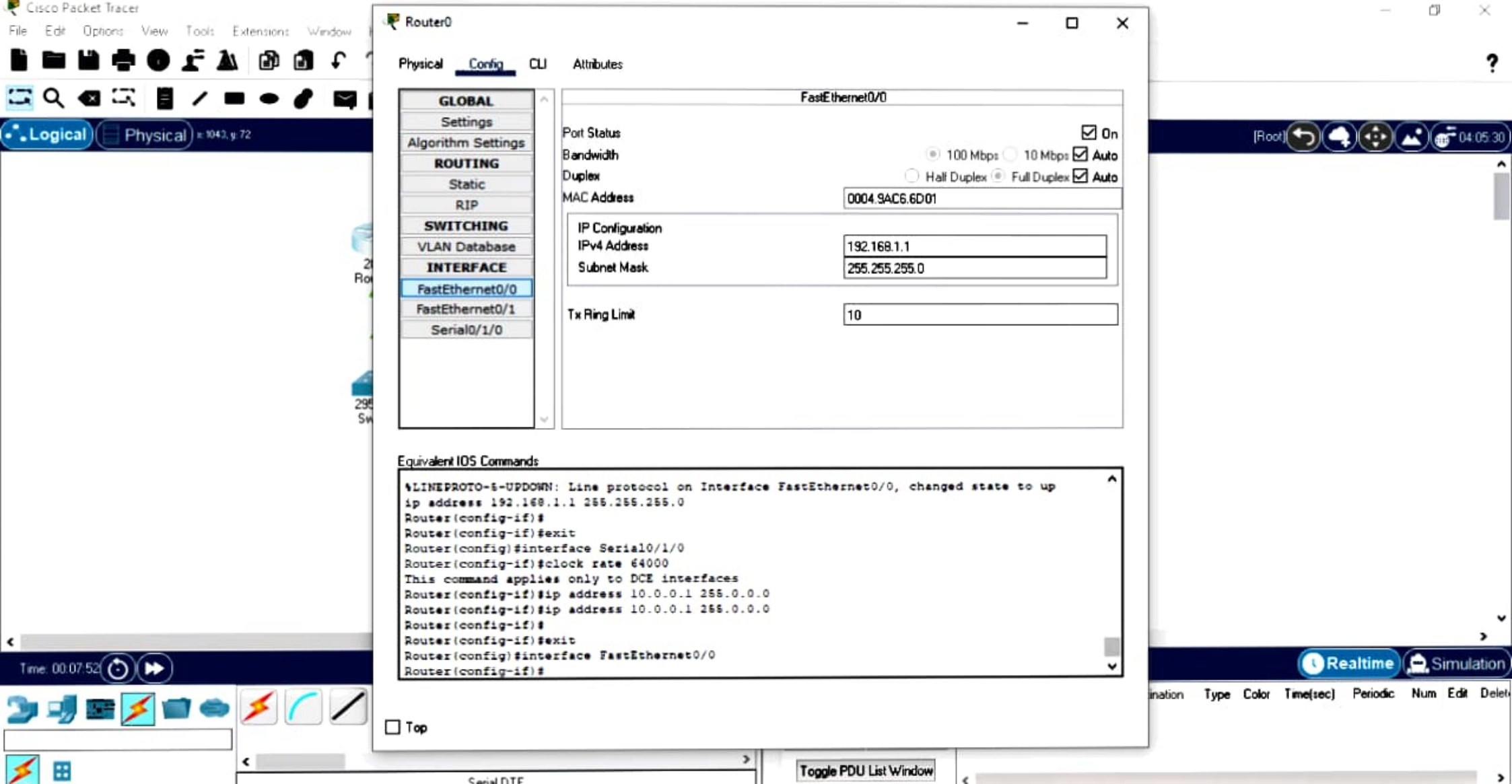
Logical Physical x: 827, y: 374 [Root] 03:19:30



Time: 00:06:24 Realtime Simulation

Scenario 0 New Delete Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete


Cisco Packet Tracer
File Edit Options View Tools Extensions Window
Logical Physical
Router0
Physical Config CLI Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
FastEthernet0/0
FastEthernet0/1
Serial0/1/0
FastEthernet0/0
Port Status On
Bandwidth 100 Mbps 10 Mbps Auto
Duplex Half Duplex Full Duplex Auto
MAC Address 0004.9AC6.6D01
IP Configuration
IPv4 Address 192.168.1.1
Subnet Mask 255.255.255.0
Tx Ring Limit 10
Equivalent IOS Commands
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
ip address 192.168.1.1 255.255.255.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/1/0
Router(config-if)#clock rate 64000
This command applies only to DCE interfaces
Router(config-if)#ip address 10.0.0.1 255.0.0.0
Router(config-if)#ip address 10.0.0.1 255.0.0.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Top
Realtime
Simulation
Toggle PDU List Window