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Subject Name- Computer Network
Subject Code- TMC-203.

Q1

Problem Statement ⇒ Design a network for the HR department with size of 10 users and show communication between user 1 and user number 5.

Objective : To design a network and showing communication between user.

Components used : 1 server, 10 PCs, 1 switch.

Step1: Add server to the login screen

Step2 :- Add switch and PCs

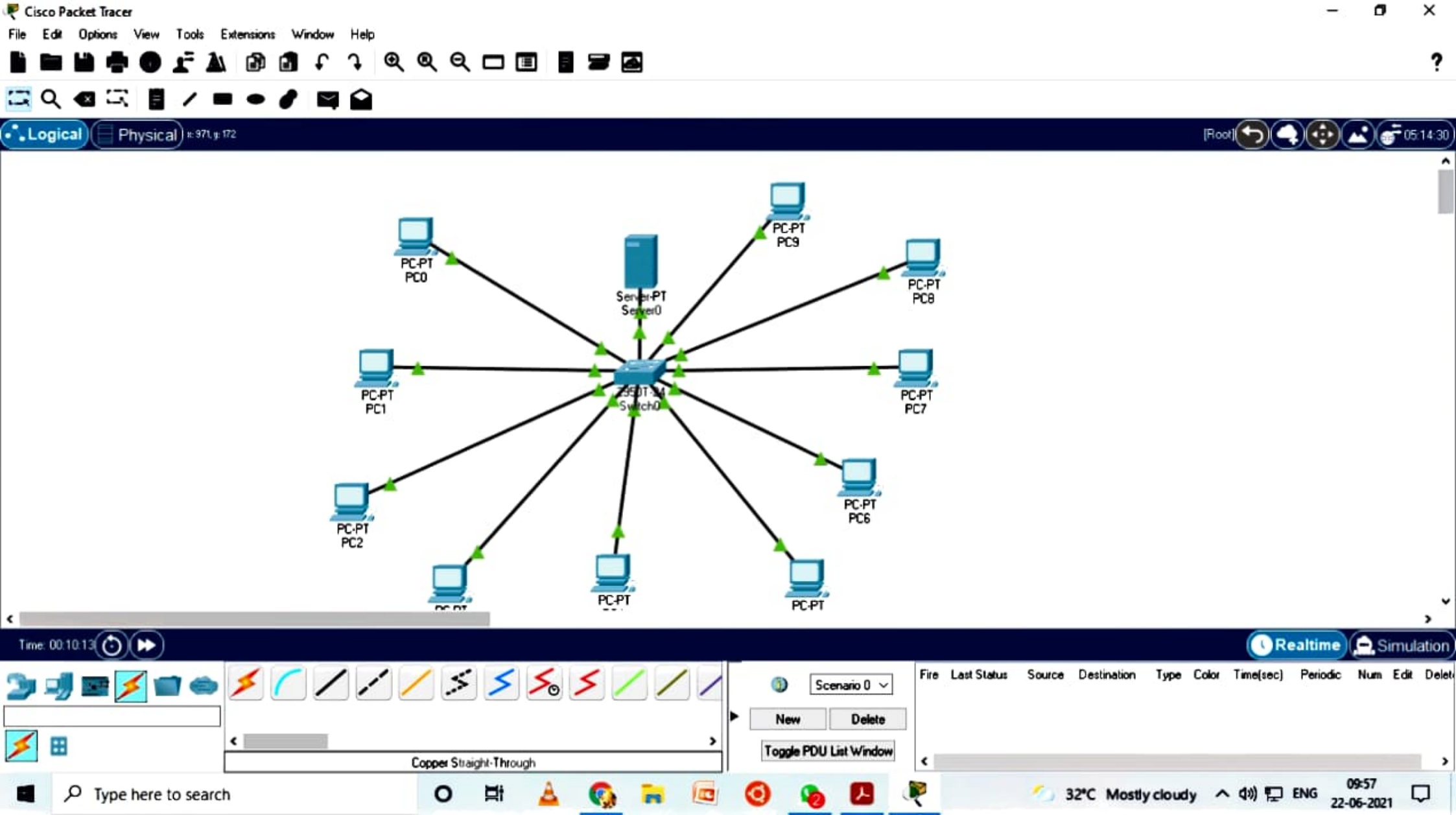
Step3: Configure Servers

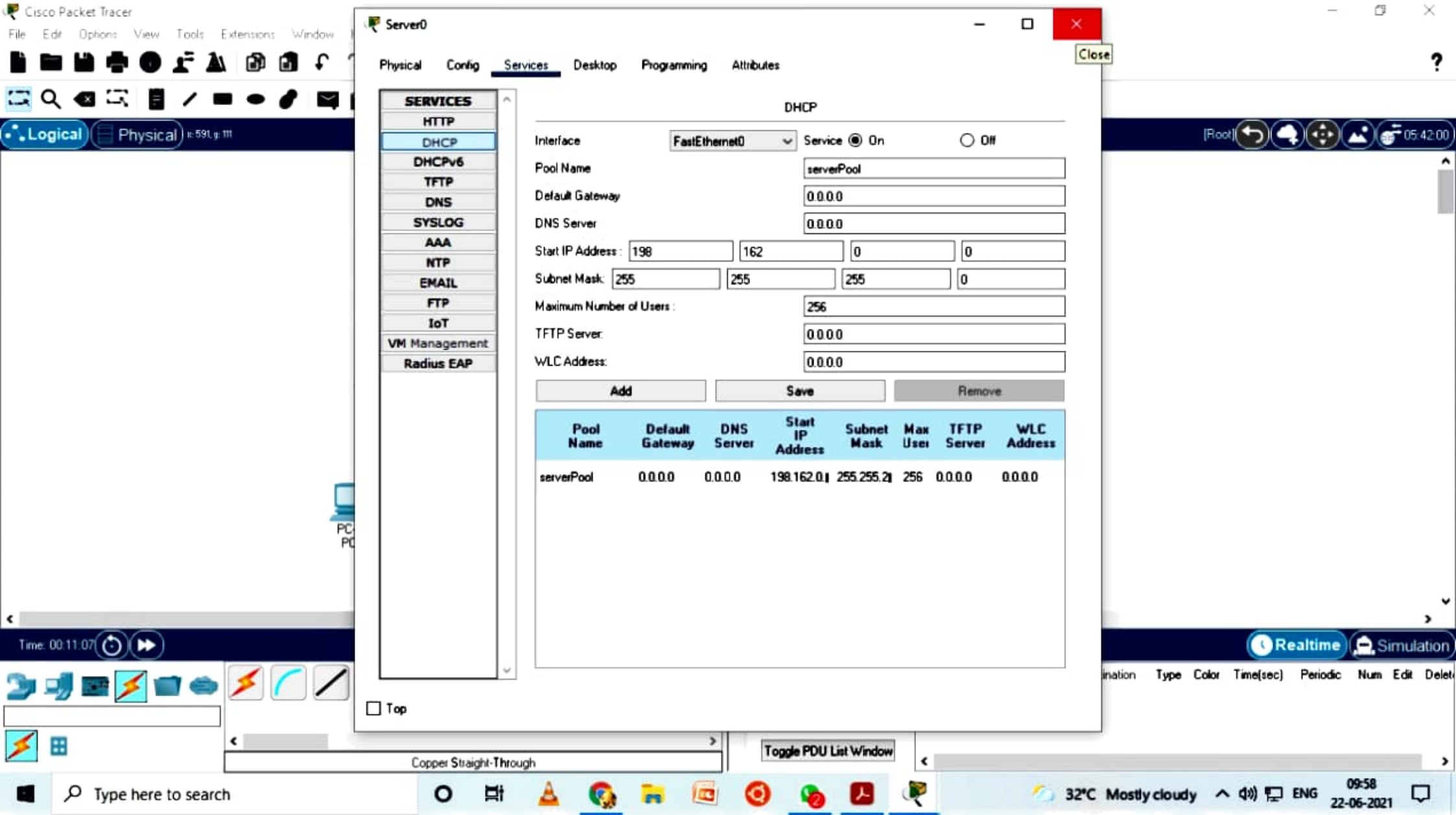
Step4: Now go to the service in Server and Select DHCP option in the left Menu and turn on fast ethernet services on and Save the settings created.

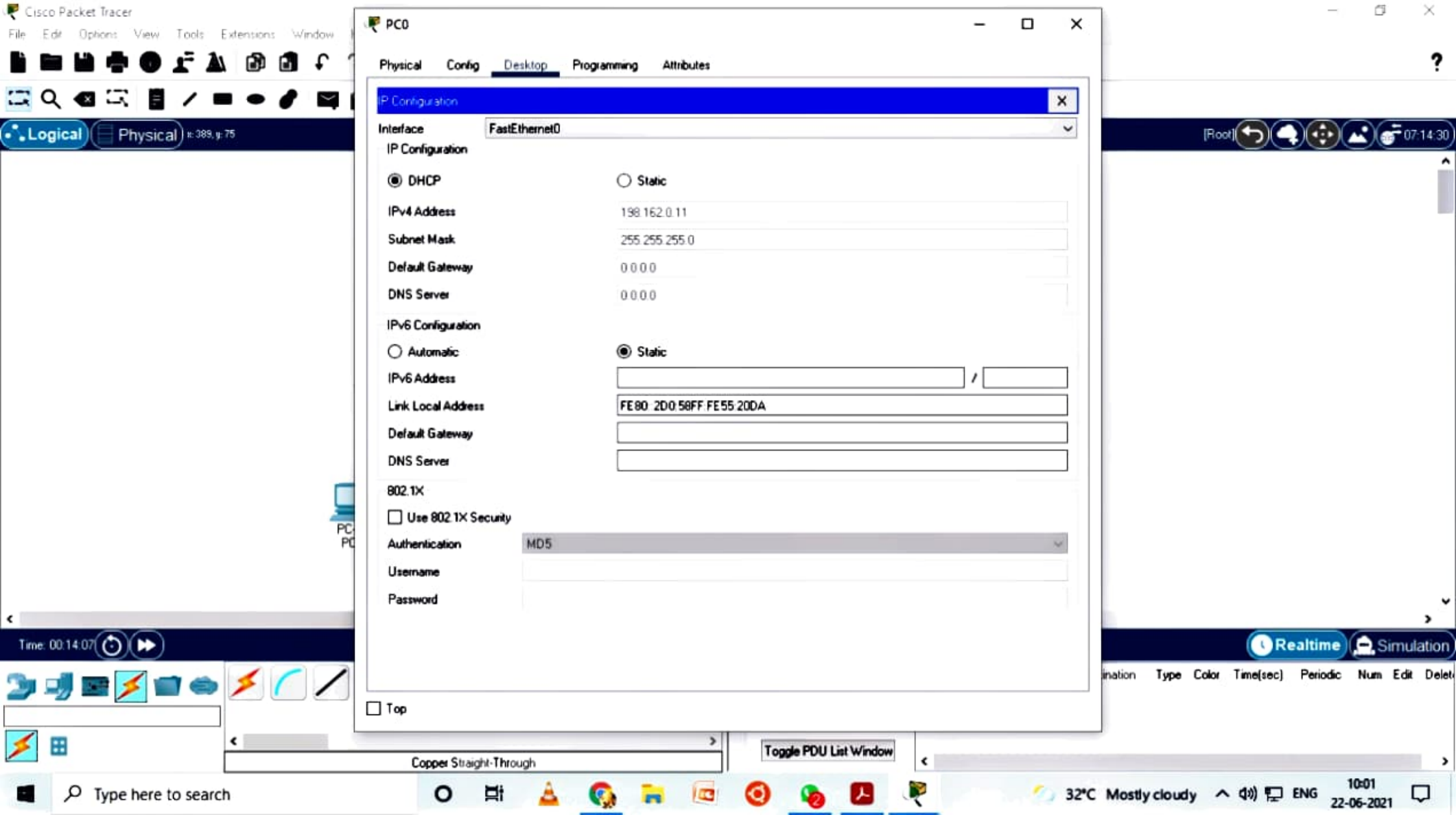
Step 5: Now go to PC and Select IP configuration and select DHCP setting

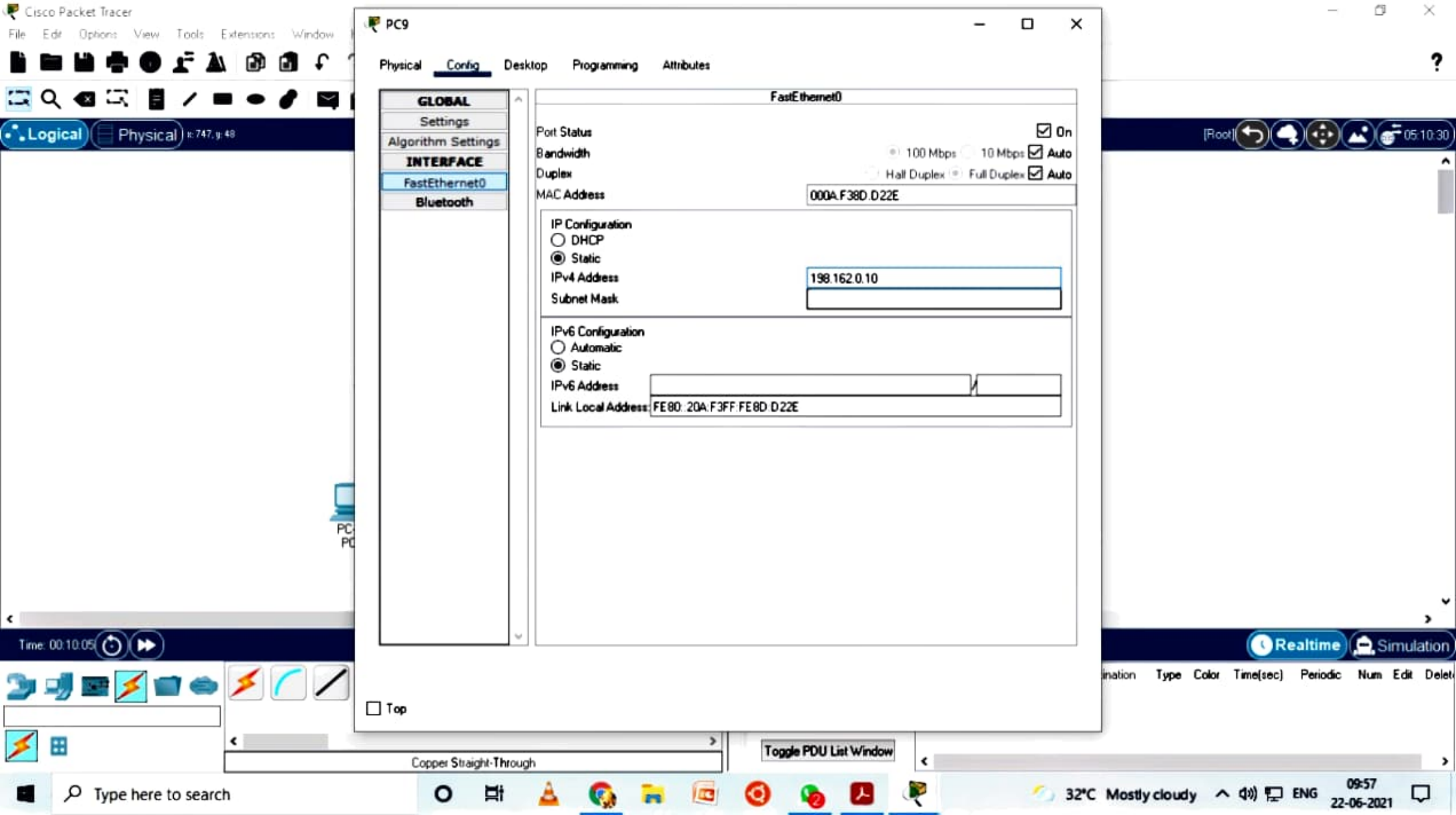
Step 7: Now send the message from PC 1 to PC 5. if successfull then connect is correct.

Rawat


Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical
Physical
[Root]
PC-PT PC0
Server-PT Server0
PC-PT PC9
PC-PT PC8
PC-PT PC1
PC-PT PC7
PC-PT PC2
PC-PT PC6
PC-PT
PC-PT
Time: 00:10:13
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit
Copper Straight-Through
Type here to search
32°C Mostly cloudy
ENG
09:57
22-06-2021


Cisco Packet Tracer
File Edit Options View Tools Extensions Window
Logical
Physical
Server0
Physical Config Services Desktop Programming Attributes
Close
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
IoT
VM Management
Radius EAP
DHCP
Interface FastEthernet0 Service On Off
Pool Name serverPool
Default Gateway 0.0.0.0
DNS Server 0.0.0.0
Start IP Address : 198 162 0 0
Subnet Mask: 255 255 255 0
Maximum Number of Users : 256
TFTP Server: 0.0.0.0
WLC Address: 0.0.0.0
Add
Save
Remove
Pool Name Default Gateway DNS Server Start IP Address Subnet Mask Max User TFTP Server WLC Address
serverPool 0.0.0.0 0.0.0.0 198.162.0.1 255.255.25 256 0.0.0.0 0.0.0.0
Top
Time: 00:11:07
Realtime
Simulation
Copper Straight-Through
Toggle PDU List Window
Type here to search
32°C Mostly cloudy
ENG
09:58
22-06-2021

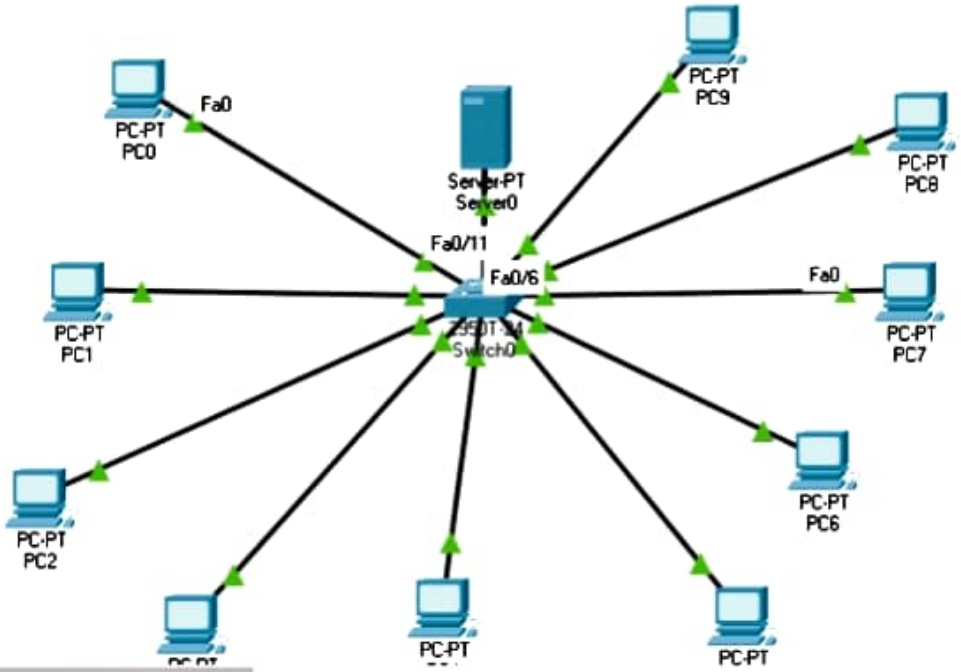

Cisco Packet Tracer
File Edit Options View Tools Extensions Window
Logical
Physical
x: 389, y: 75
[Root]
07:14:30
PC0
Physical
Config
Desktop
Programming
Attributes
IP Configuration
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
198.162.0.11
Subnet Mask
255.255.255.0
Default Gateway
0000
DNS Server
0000
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address
FE80::2D0:58FF:FE55:20DA
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top
Time: 00:14:07
Realtime
Simulation
Type Color Time(sec) Periodic Num Edit
Copper Straight-Through
Toggle PDU List Window
Type here to search
32°C Mostly cloudy
ENG
10:01
22-06-2021


Cisco Packet Tracer
File Edit Options View Tools Extensions Window
Logical
Physical
PC9
Physical
Config
Desktop
Programming
Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth
FastEthernet0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
000A.F38D.D22E
IP Configuration
DHCP
Static
IPv4 Address
198.162.0.10
Subnet Mask
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address
FE80::20A:F3FF:FE8D:D22E
Top
Copper Straight-Through
Toggle PDU List Window
Realtime
Simulation
Type
Color
Time(sec)
Periodic
Num
Edit
Type here to search
32°C Mostly cloudy
ENG
09:57
22-06-2021

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 725, y: 428 [Root] 08:20:00



Time: 00:16:15 Realtime Simulation

Copper Straight-Through

Scenario 0 New Delete Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	PC4	ICMP		0.000	N	0	(edit)	(delet

Type here to search 32°C Mostly cloudy ENG 10:03 22-06-2021