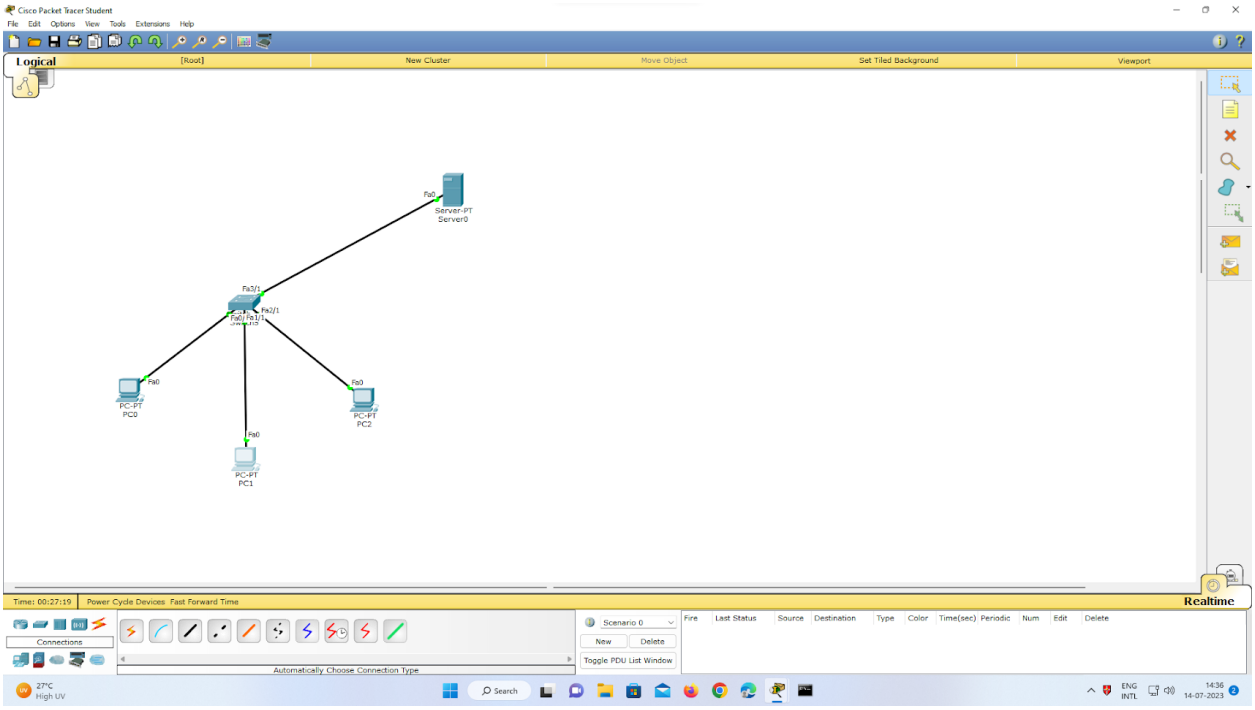
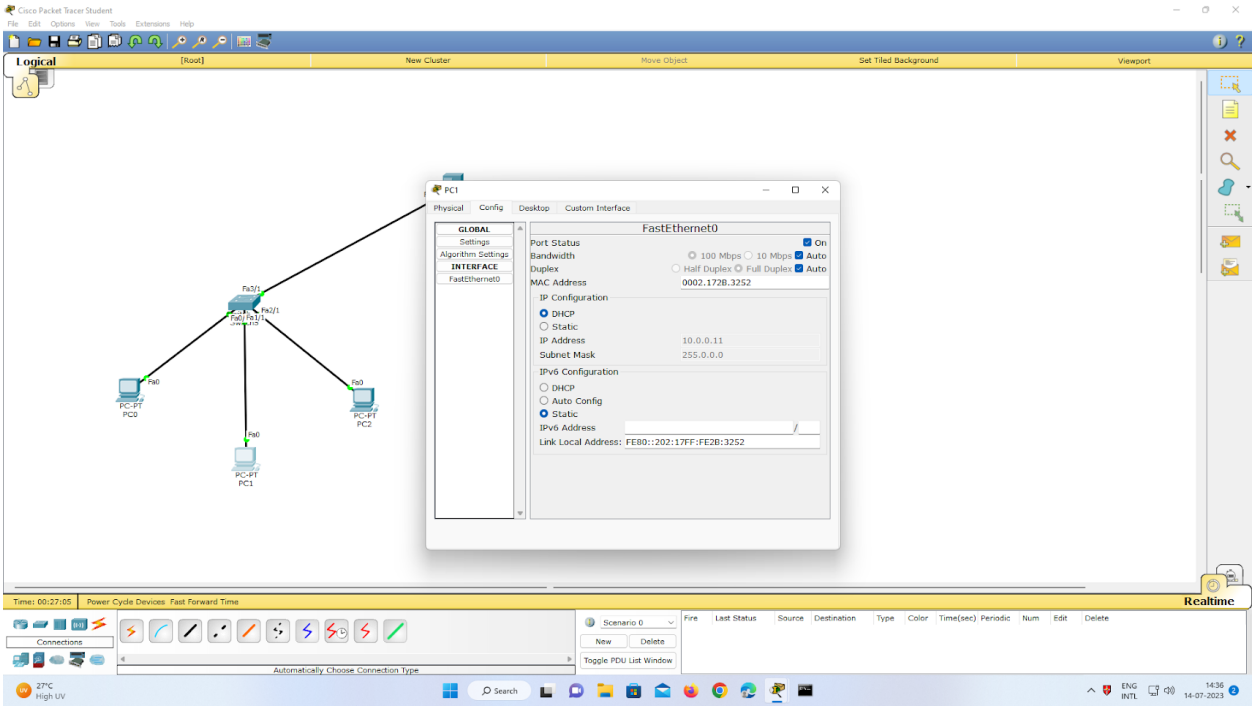
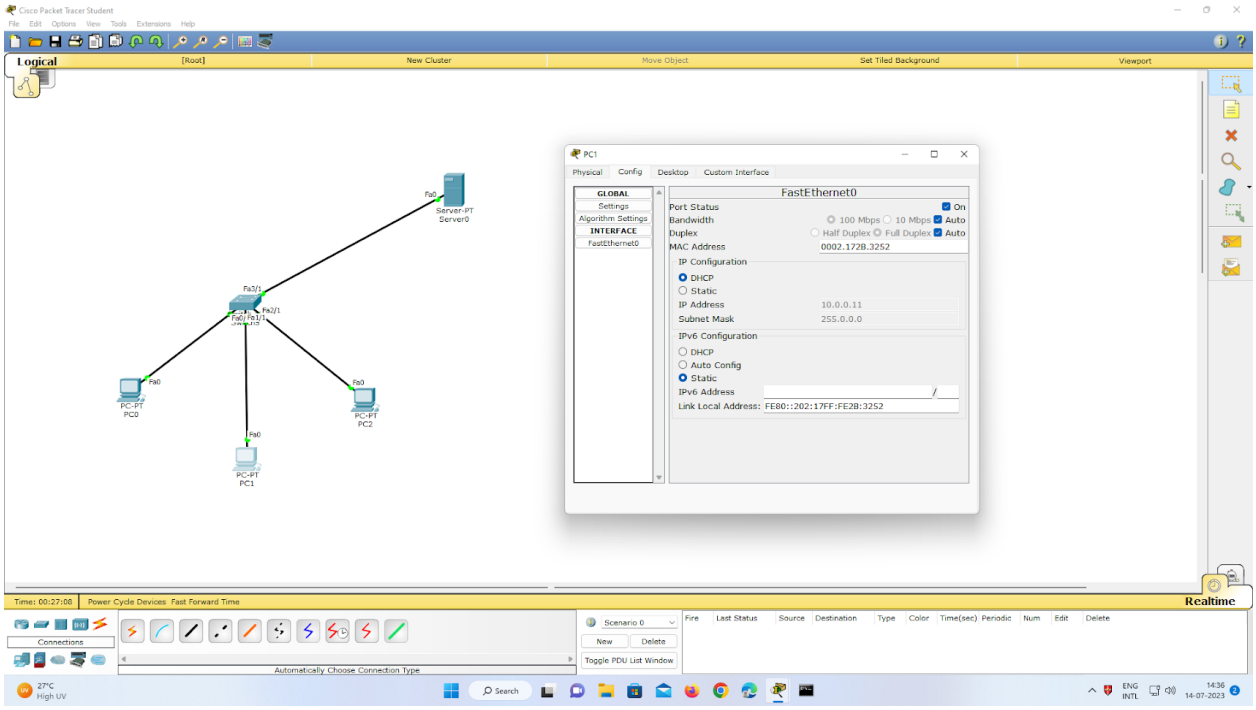
Computer Networks Laboratory

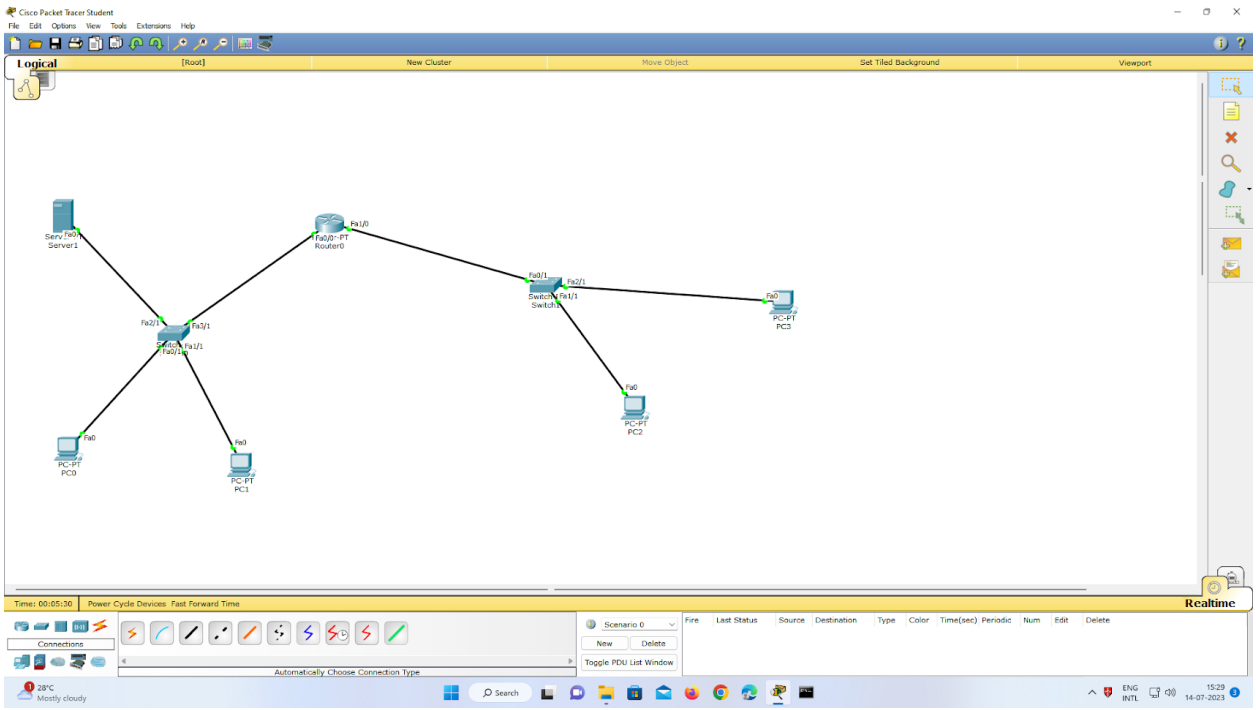
Lab 4

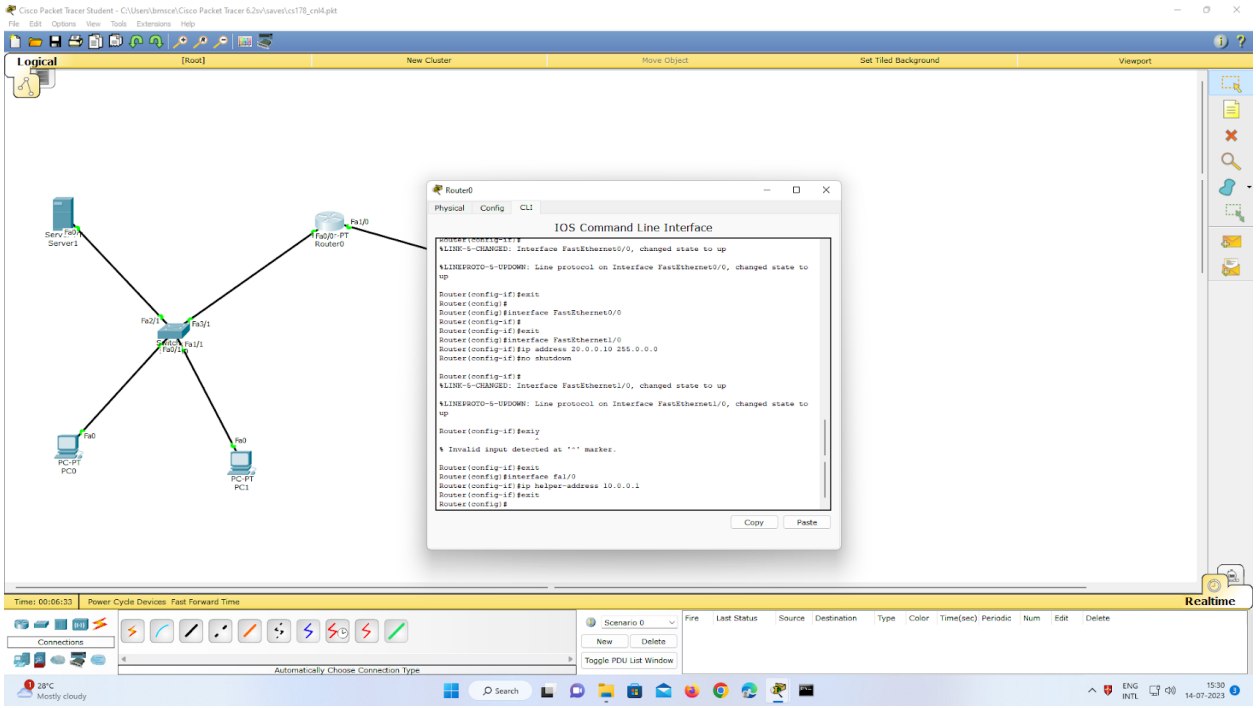
Topology:

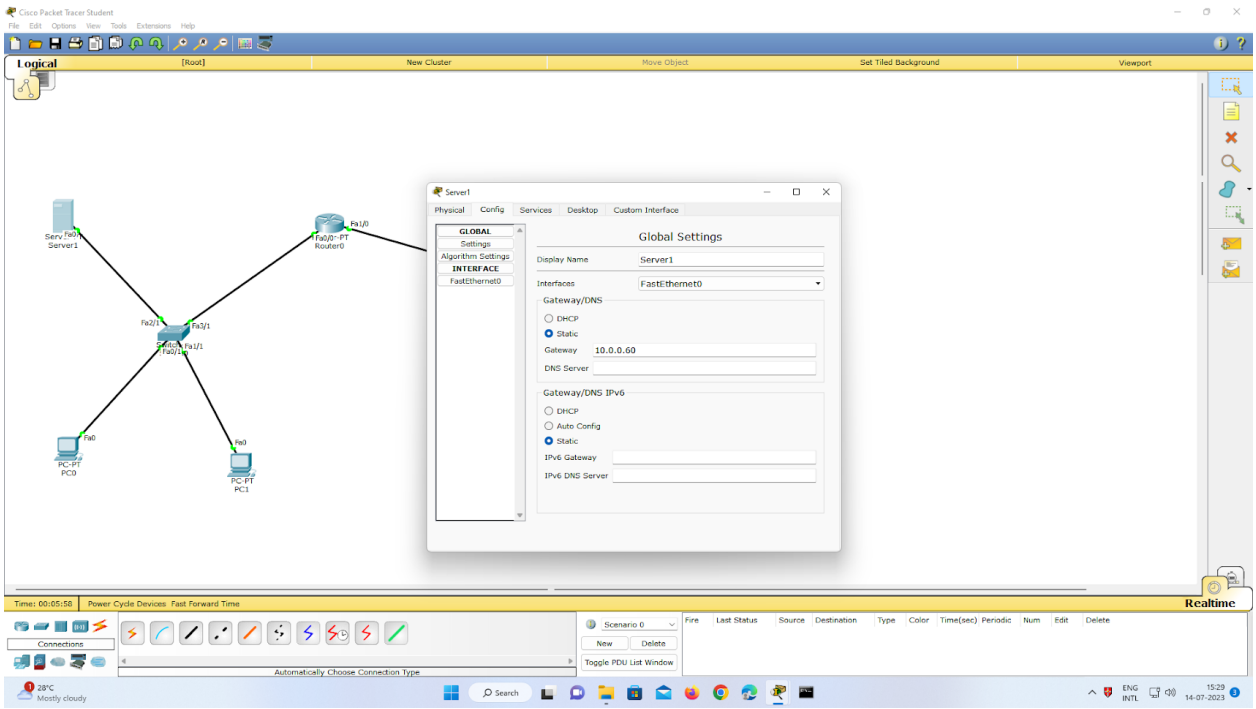


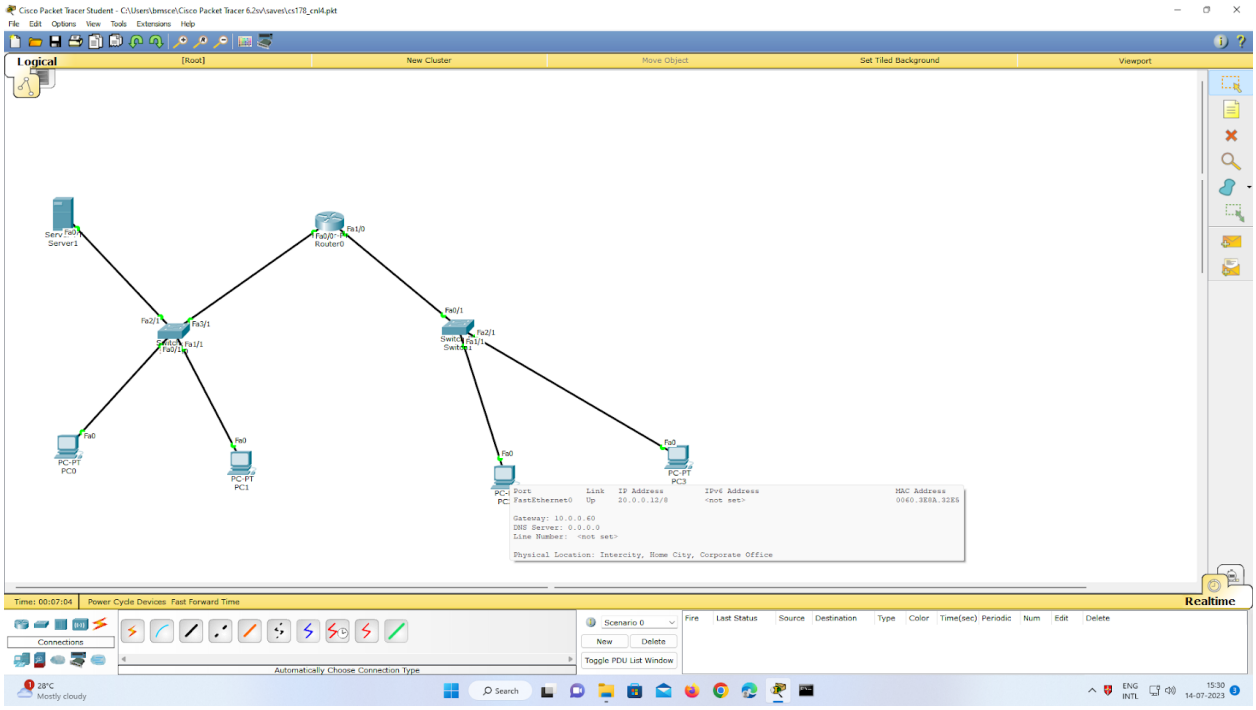


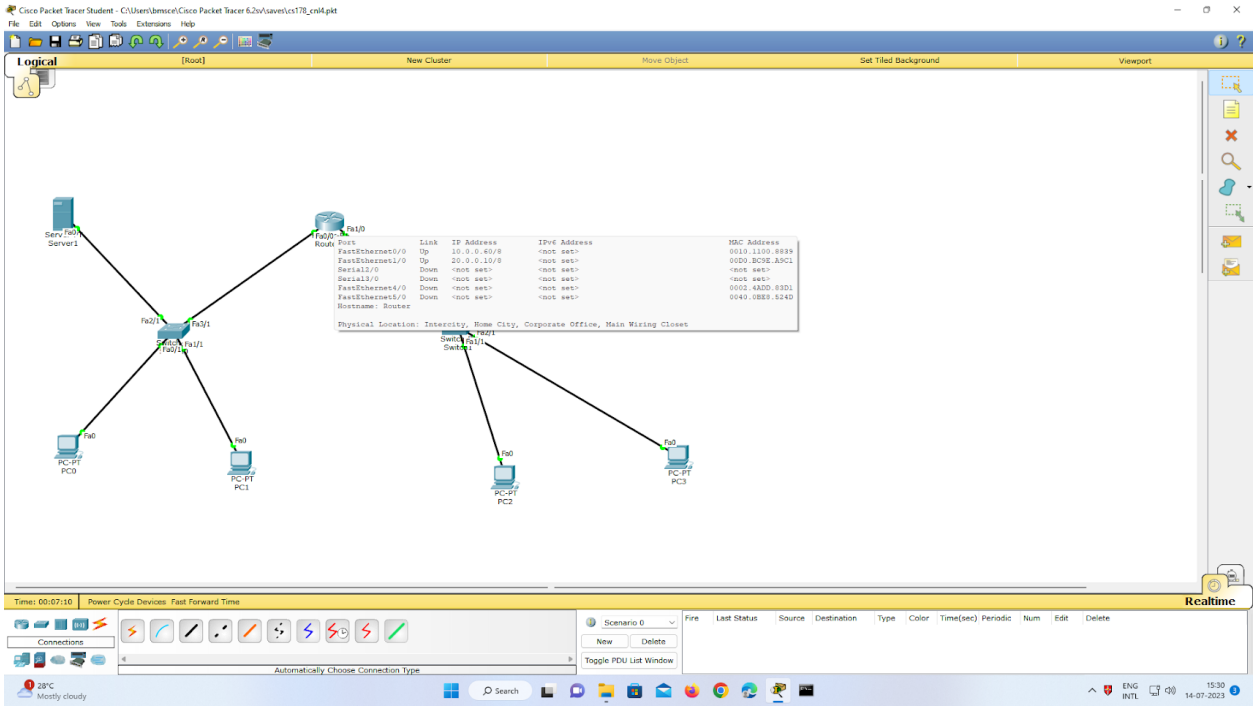

Cisco Packet Tracer Student
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Server-PT Server0
Switch0
PC-PT PC0
PC-PT PC2
PC-PT PC1
PC1
Physical
Config
Desktop
Custom Interface
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
FastEthernet0
Port Status
Bandwidth
Duplex
MAC Address
0002.172B.3252
IP Configuration
DHCP
Static
IP Address
10.0.0.11
Subnet Mask
255.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address:
FE80::202:17FF:FE2B:3252
Time: 00:27:08
Power Cycle Devices
Fast Forward Time
Realtime
Connections
Automatically Choose Connection Type
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
27°C
High UV
Search
ENG
INTL
14:36
14-07-2023

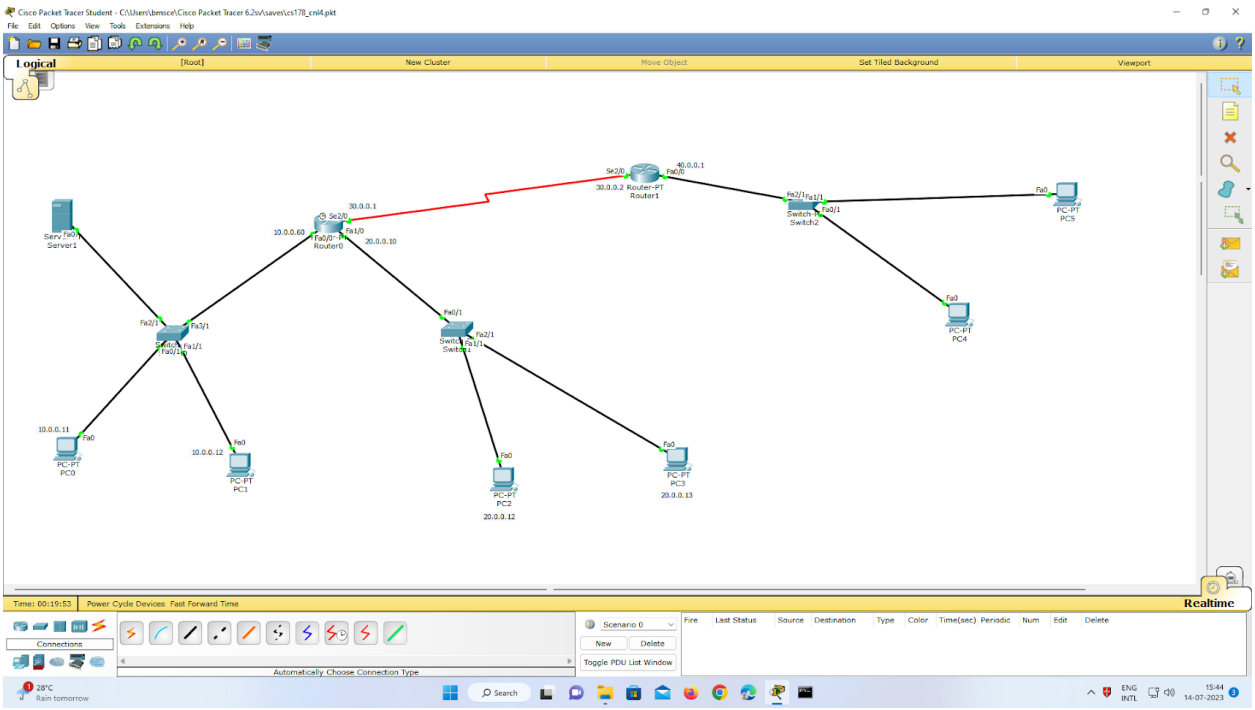

Cisco Packet Tracer Student
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Server1
Router0
Switch2
Switch3
PC-PT PC0
PC-PT PC1
PC-PT PC2
PC-PT PC3
Time: 00:05:30
Power Cycle Devices
Fast Forward Time
Realtime
Connections
Automatically Choose Connection Type
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
28°C
Mostly cloudy
Search
ENG
INTL
15:29
14-07-2023

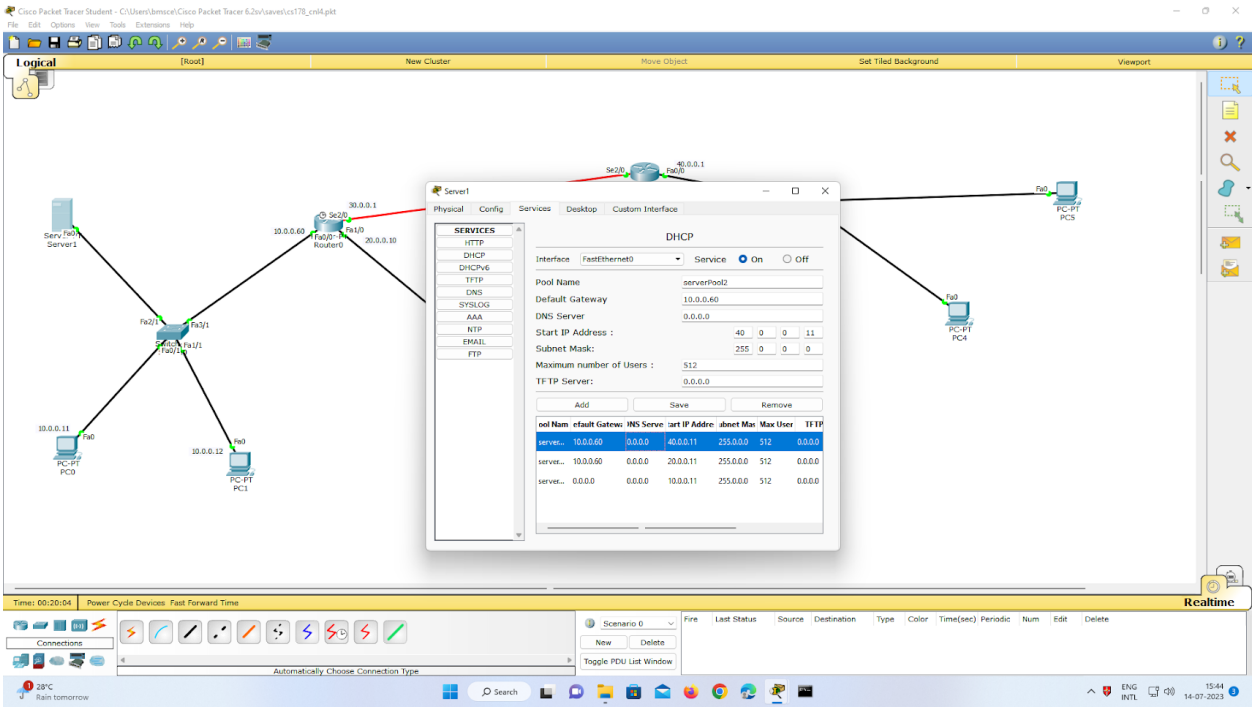

Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Router0
Physical
Config
CLI
IOS Command Line Interface
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Router(config-if)#exit
Router(config)#
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#ip address 20.0.0.10 255.0.0.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
Router(config-if)#exiy
% Invalid input detected at '^' marker.
Router(config-if)#exit
Router(config)#interface fa1/0
Router(config-if)#ip helper-address 10.0.0.1
Router(config-if)#exit
Router(config)#
Copy
Paste
Server1
Router0
PC0
PC1
Time: 00:06:33
Power Cycle Devices
Fast Forward Time
Realtime
Connections
Automatically Choose Connection Type
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
28°C
Mostly cloudy
Search
ENG
INTL
15:30
14-07-2023

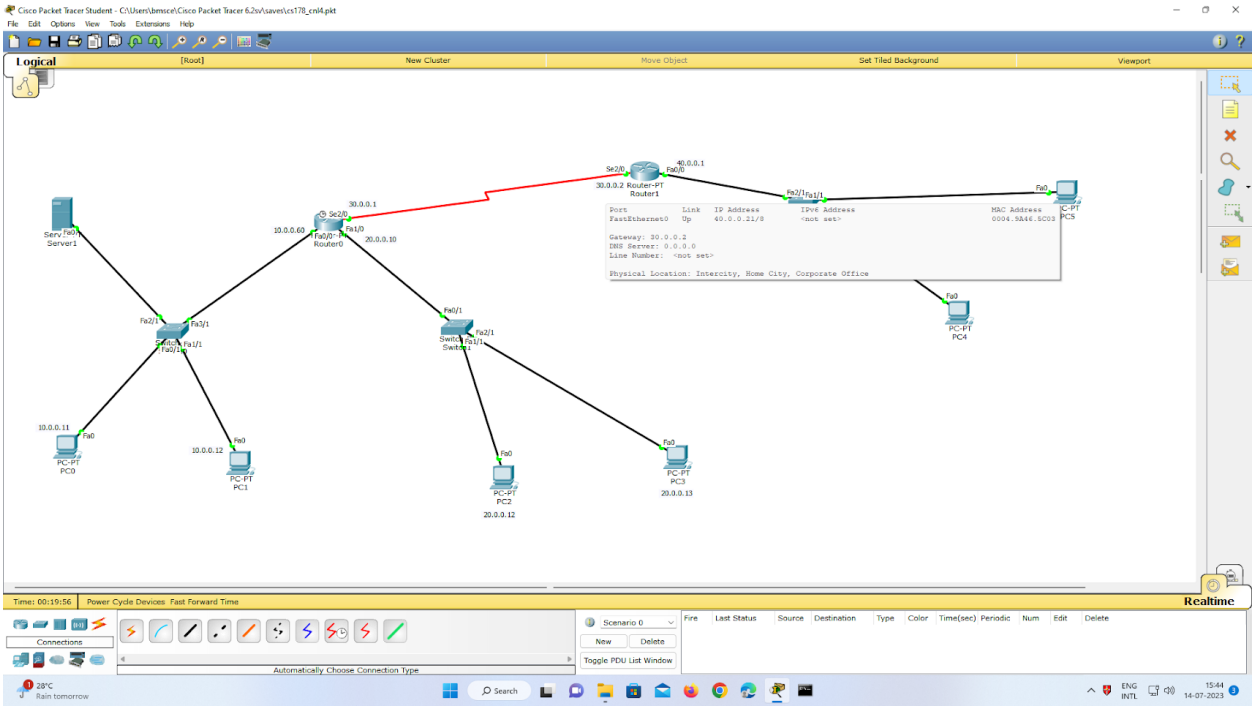

Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Server1
Physical
Config
Services
Desktop
Custom Interface
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Global Settings
Display Name
Server1
Interfaces
FastEthernet0
Gateway/DNS
DHCP
Static
Gateway
10.0.0.60
DNS Server
Gateway/DNS IPv6
DHCP
Auto Config
Static
IPv6 Gateway
IPv6 DNS Server
Router0
PC0
PC1
Time: 00:05:58
Power Cycle Devices
Fast Forward Time
Realtime
Connections
Automatically Choose Connection Type
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
28°C
Mostly cloudy
Search
ENG
INTL
15:29
14-07-2023


Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Server1
Router0
Switch0
Switch1
PC0
PC1
PC2
PC3
Time: 00:07:04
Power Cycle Devices
Fast Forward Time
Realtime
Connections
Automatically Choose Connection Type
Scenario 0
New
Delete
Toggle PDU List Window


Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Server1
Router0
Switch0
Switch1
PC0
PC1
PC2
PC3
Time: 00:07:10
Power Cycle Devices
Fast Forward Time
Realtime
Connections
Automatically Choose Connection Type
Scenario 0
New
Delete
Toggle PDU List Window


Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Server1
Router0
Router1
Switch1
Switch2
PC0
PC1
PC2
PC3
PC4
PC5
10.0.0.11
10.0.0.12
20.0.0.12
20.0.0.13
30.0.0.2
Time: 00:19:53
Power Cycle Devices Fast Forward Time
Realtime
Connections
Automatically Choose Connection Type
Scenario 0
New
Delete
Toggle PDU List Window


Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Server1
Physical
Config
Services
Desktop
Custom Interface
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
DHCP
Interface
FastEthernet0
Service
On
Off
Pool Name
serverPool2
Default Gateway
10.0.0.60
DNS Server
0.0.0.0
Start IP Address :
Subnet Mask:
Maximum number of Users :
512
TFTP Server:
Add
Save
Remove
Time: 00:20:04
Power Cycle Devices Fast Forward Time
Realtime
Connections
Automatically Choose Connection Type
Scenario 0
New
Delete
Toggle PDU List Window


Cisco Packet Tracer Student - C:\Users\bmsce\Cisco Packet Tracer 6.2sv\saves\cs178_cnl4.pkt
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Server1
Router0
Router1
Switch0
Switch1
PC0
PC1
PC2
PC3
PC4
PC5
10.0.0.11
10.0.0.12
20.0.0.12
20.0.0.13
30.0.0.1
30.0.0.2
40.0.0.1
10.0.0.60
20.0.0.10
Port Link IP Address IPv6 Address MAC Address
FastEthernet0 Up 40.0.0.21/8 <not set> 0004.9A46.5C03
Gateway: 30.0.0.2
DNS Server: 0.0.0.0
Line Number: <not set>
Physical Location: Intercity, Home City, Corporate Office
Time: 00:19:56
Power Cycle Devices Fast Forward Time
Realtime
Connections
Automatically Choose Connection Type
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
28°C
Rain tomorrow
Search
ENG
INTL
15:44
14-07-2023