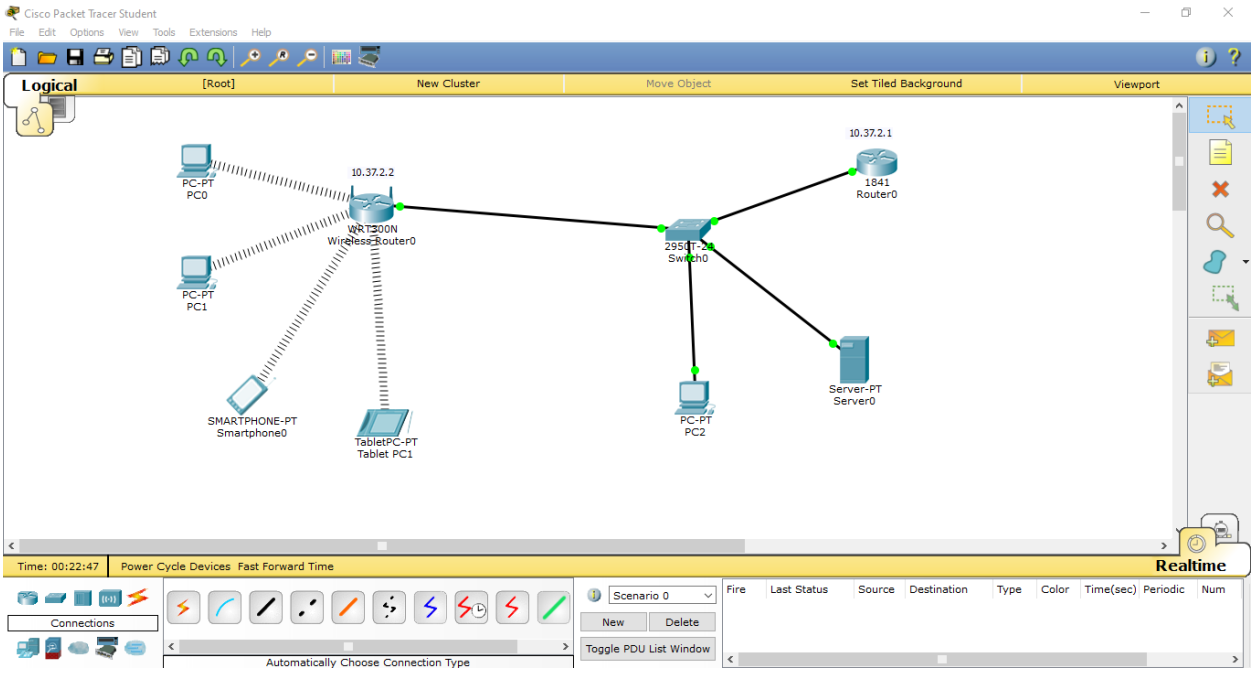
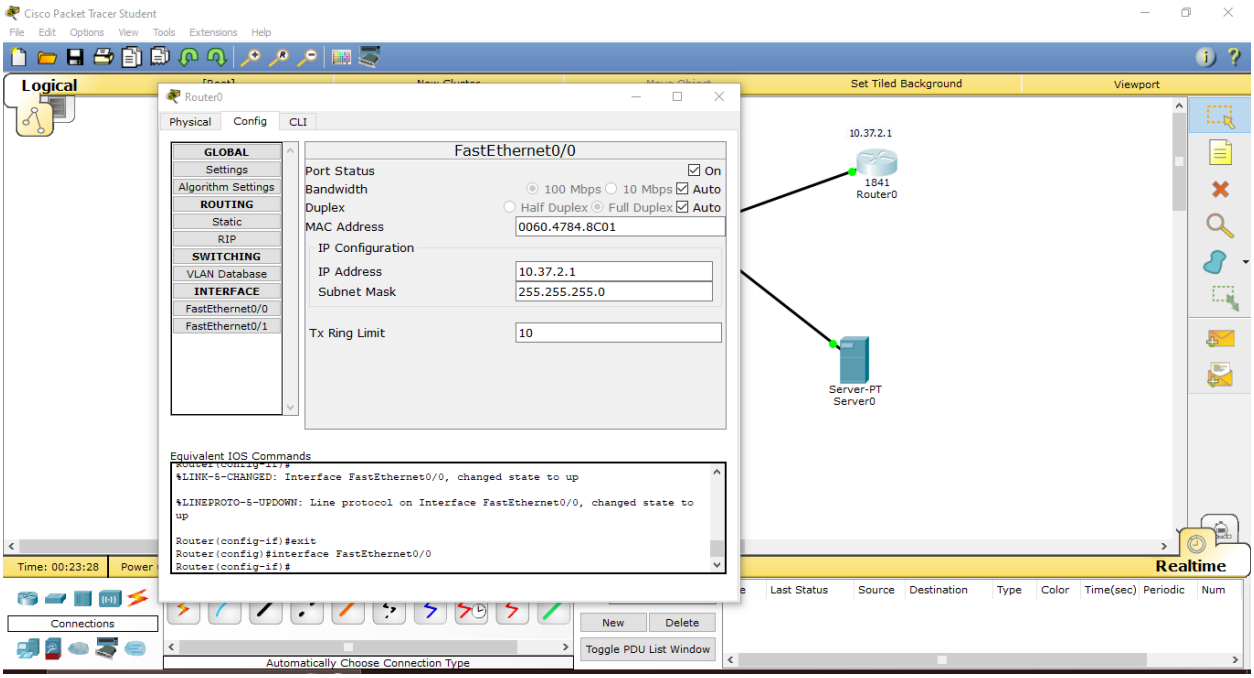
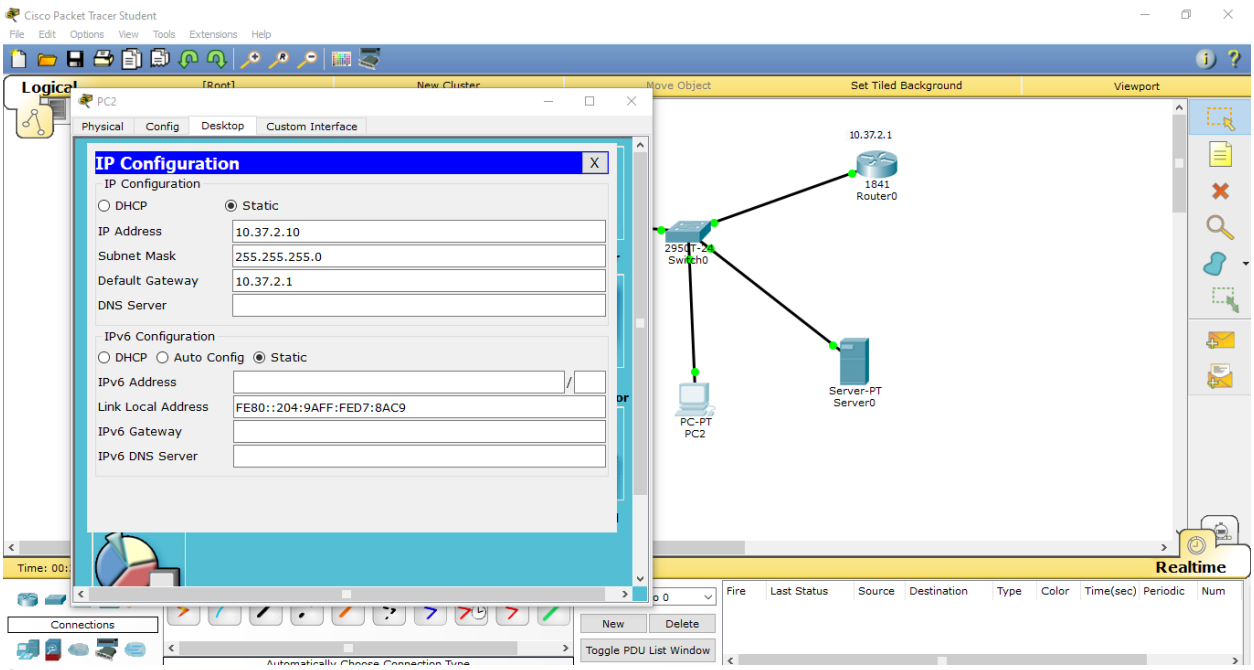
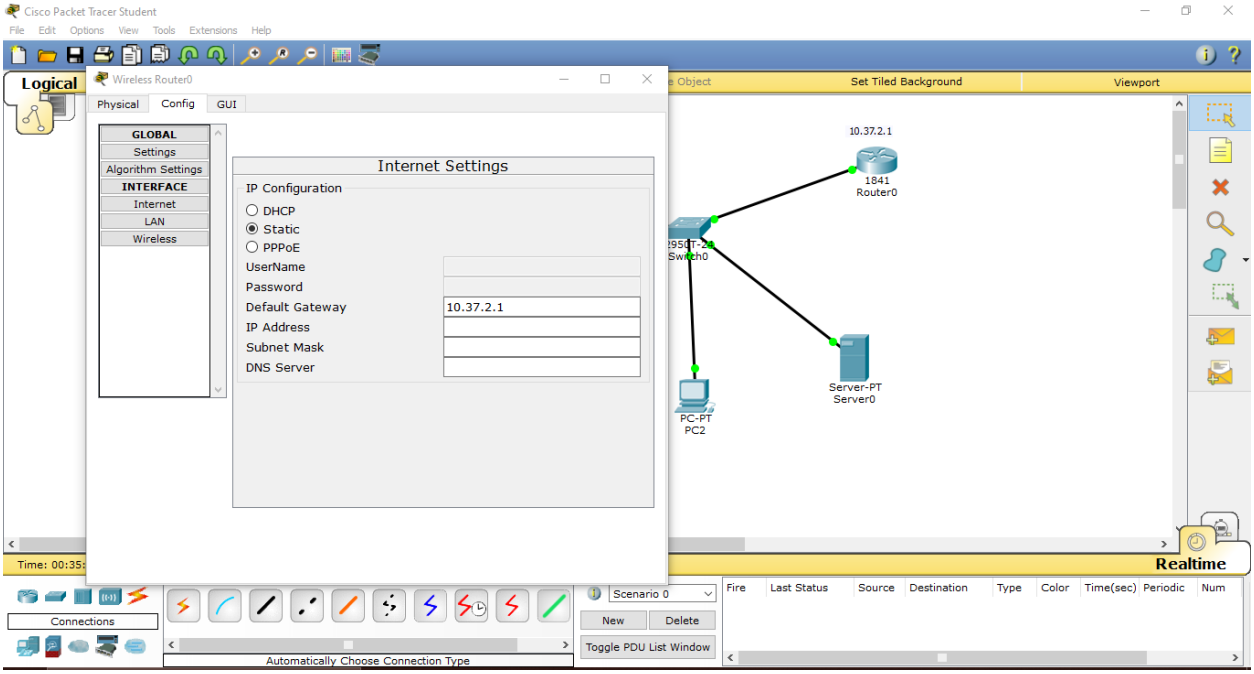
COMPUTER NEWORKS LAB 11

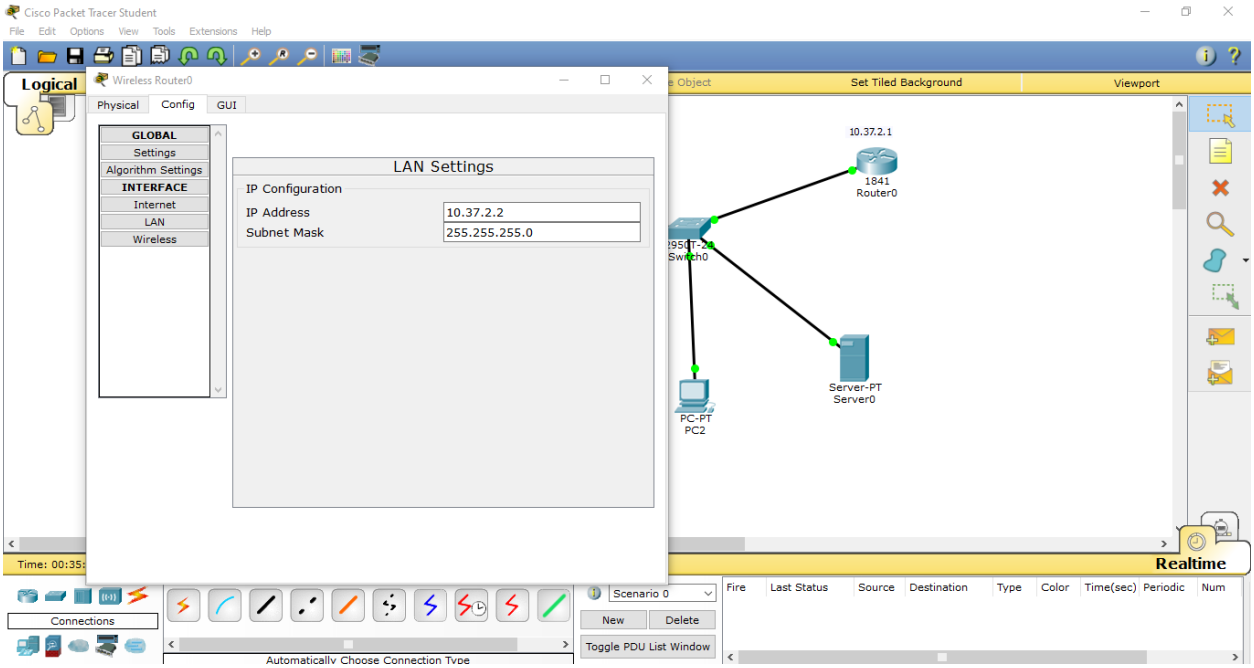
QUESTION # 1:

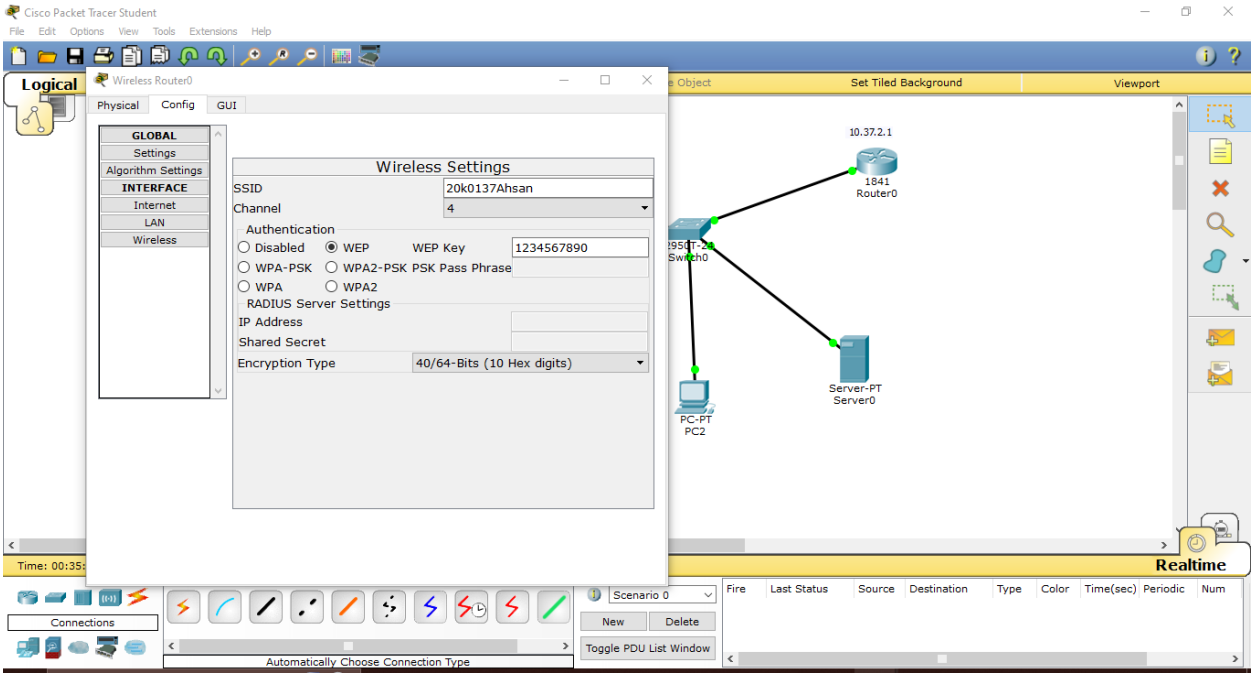


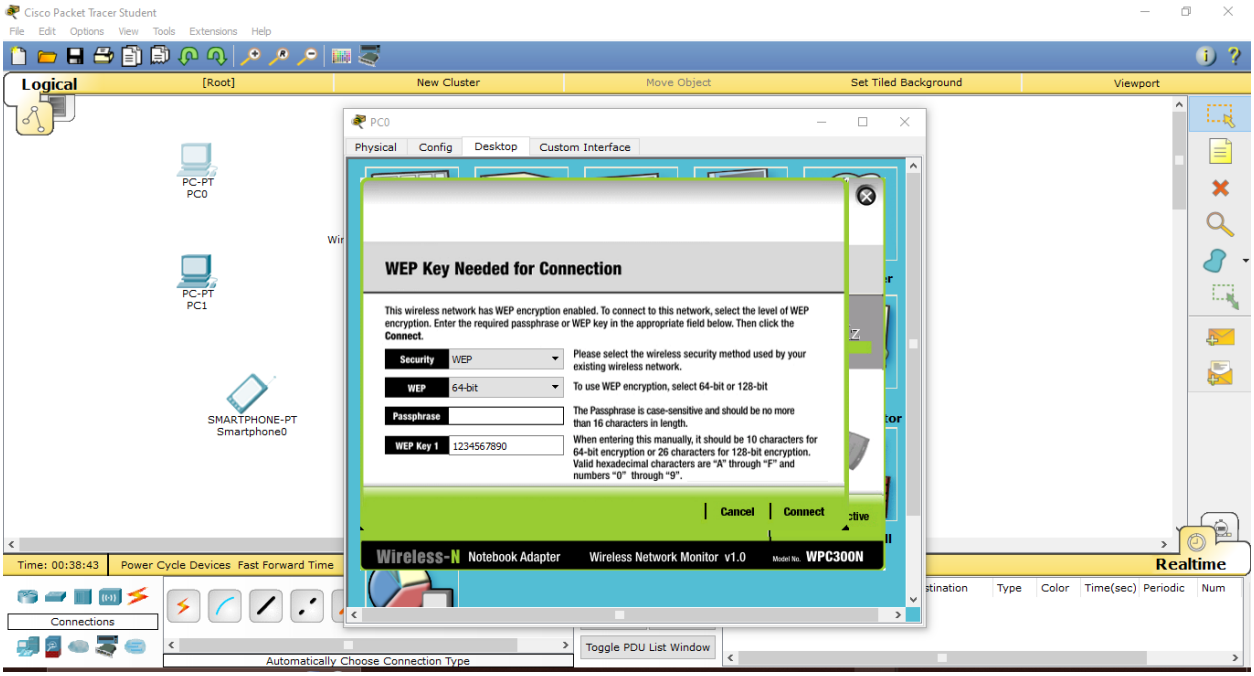


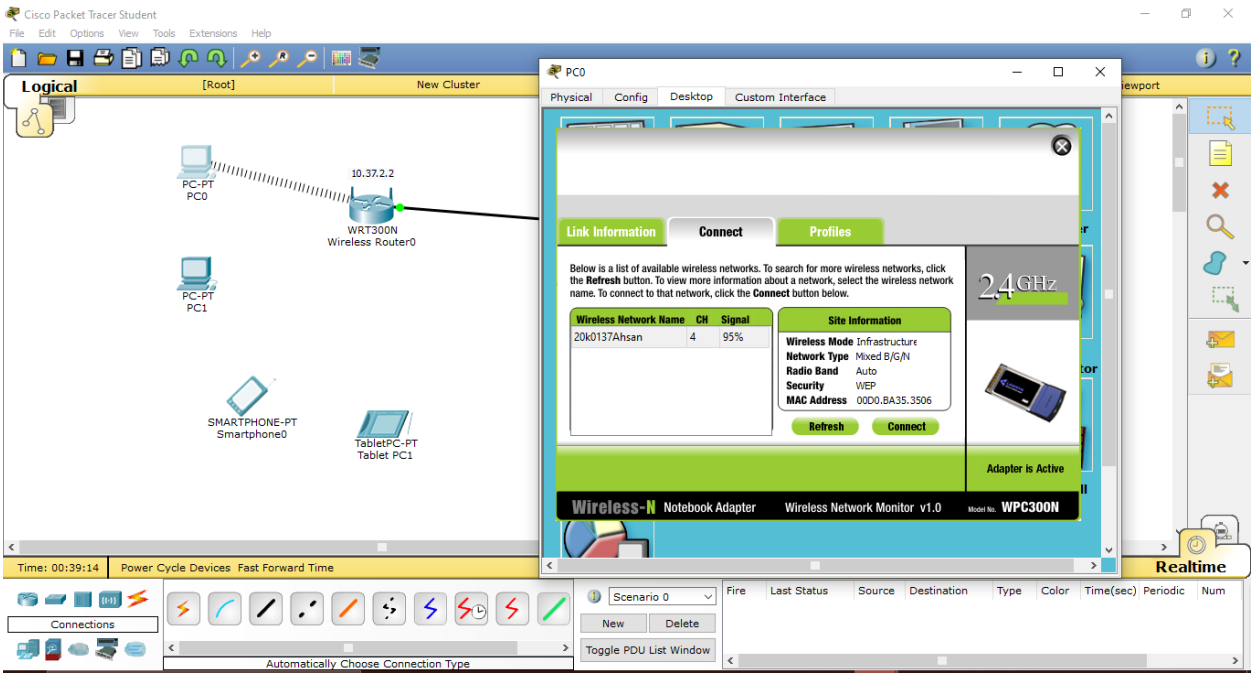

Cisco Packet Tracer Student
PC2
Physical
Config
Desktop
Custom Interface
IP Configuration
IP Configuration
DHCP
Static
IP Address 10.37.2.10
Subnet Mask 255.255.255.0
Default Gateway 10.37.2.1
DNS Server
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address FE80::204:9AFF:FED7:8AC9
IPv6 Gateway
IPv6 DNS Server
10.37.2.1
1841
Router0
Server-PT
Server0
PC-PT
PC2
Realtime
Connections
New
Delete
Toggle PDU List Window

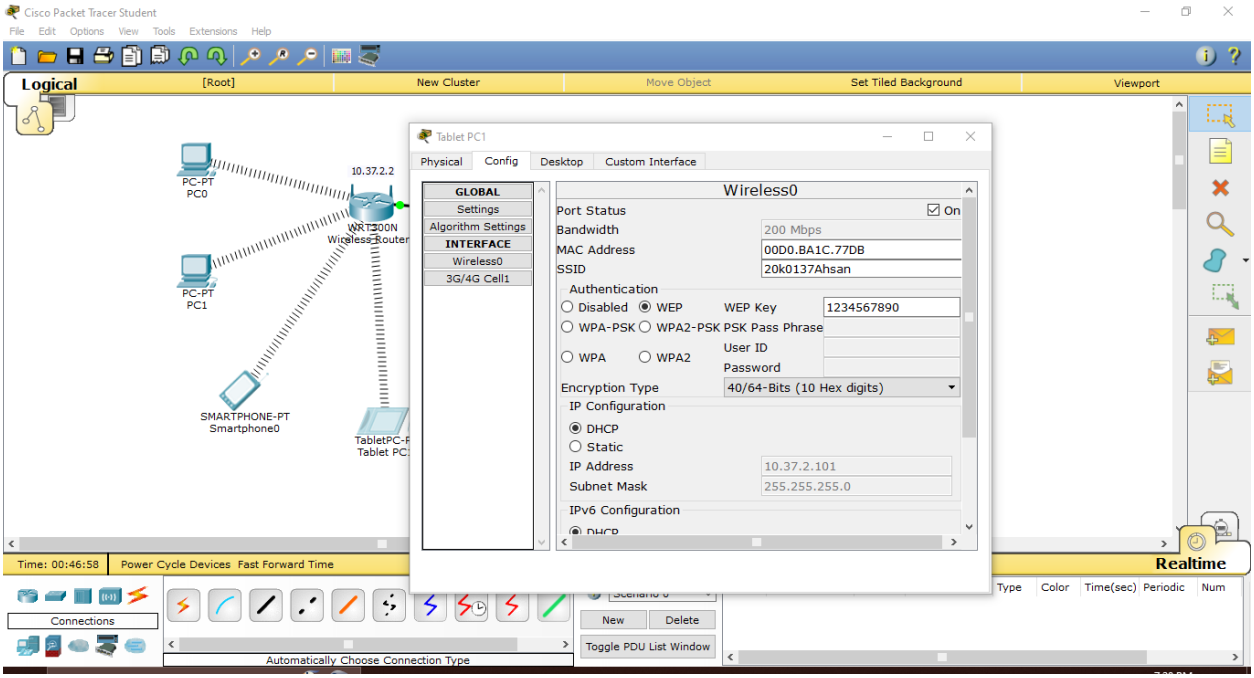

Cisco Packet Tracer Student
Wireless Router0
Physical
Config
GUI
GLOBAL
Settings
Algorithm Settings
INTERFACE
Internet
LAN
Wireless
Internet Settings
IP Configuration
DHCP
Static
PPPoE
UserName
Password
Default Gateway 10.37.2.1
IP Address
Subnet Mask
DNS Server
10.37.2.1
1841
Router0
Server-PT
Server0
PC-PT
PC2
Realtime
Connections
Automatically Choose Connection Type
New
Delete
Toggle PDU List Window

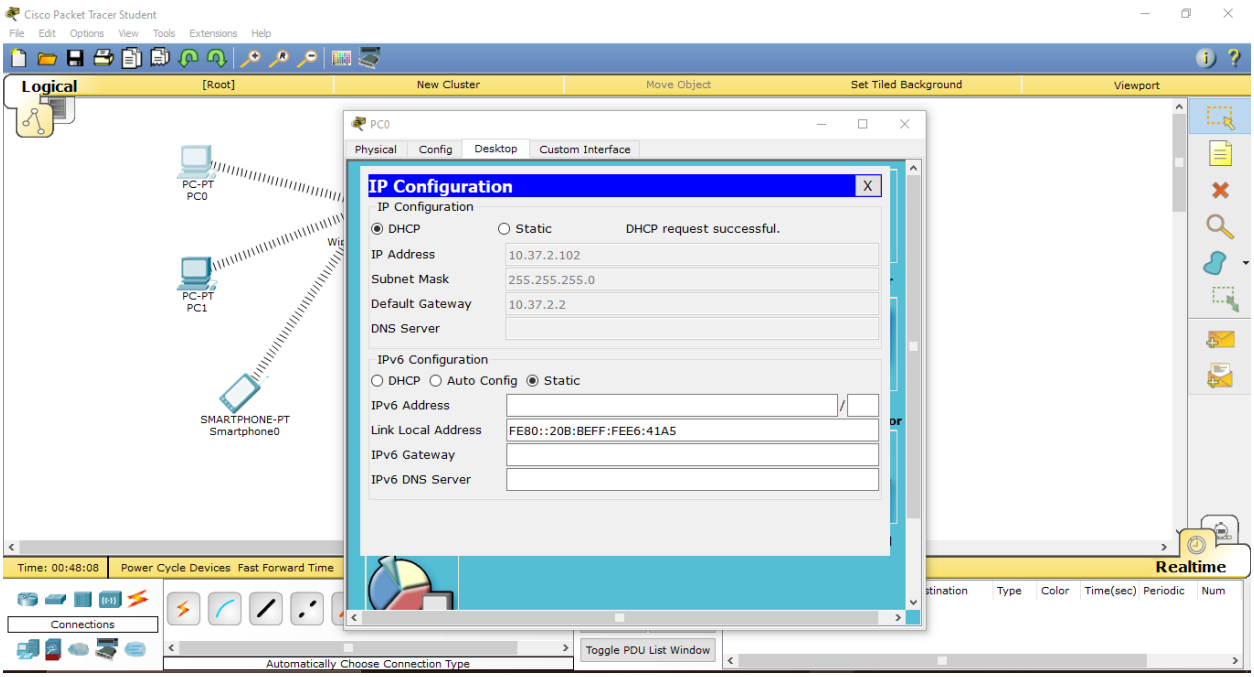

Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Logical
Wireless Router0
Physical Config GUI
GLOBAL
Settings
Algorithm Settings
INTERFACE
Internet
LAN
Wireless
LAN Settings
IP Configuration
IP Address 10.37.2.2
Subnet Mask 255.255.255.0
Set Tiled Background
Viewport
10.37.2.1
1841
Router0
Server-PT
Server0
PC-PT
PC2
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

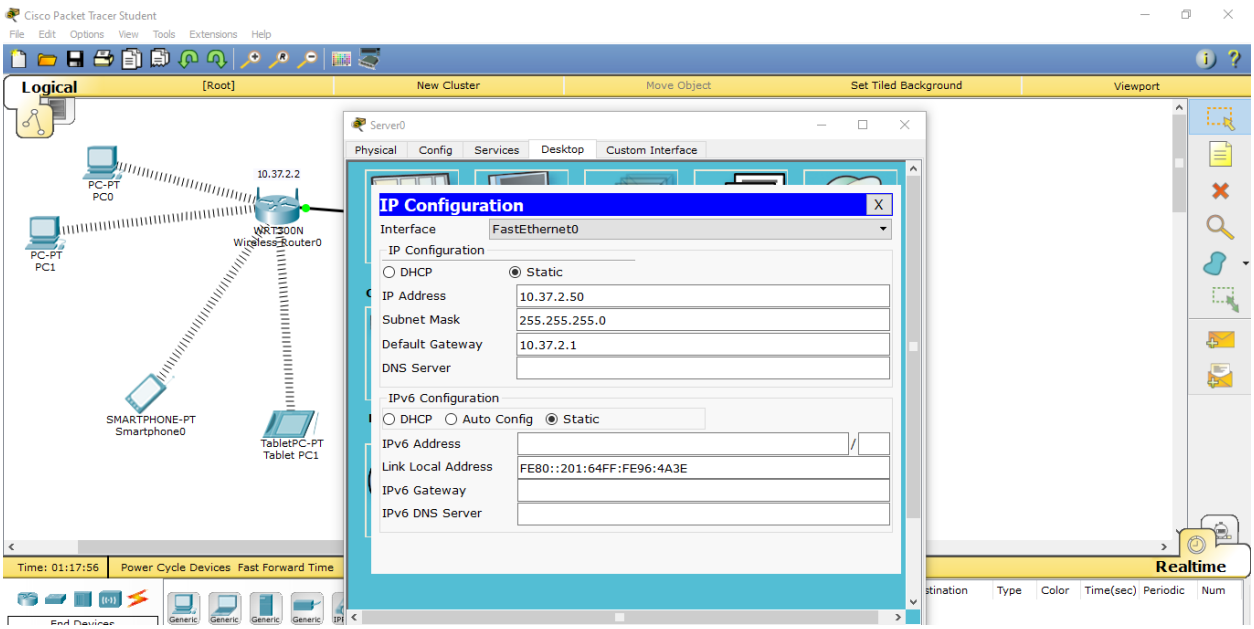

Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Logical
Wireless Router0
Physical Config GUI
GLOBAL
Settings
Algorithm Settings
INTERFACE
Internet
LAN
Wireless
Wireless Settings
SSID 20k0137Ahsan
Channel 4
Authentication
Disabled WEP WEP Key 1234567890
WPA-PSK WPA2-PSK PSK Pass Phrase
WPA WPA2
RADIUS Server Settings
IP Address
Shared Secret
Encryption Type 40/64-Bits (10 Hex digits)
Set Tiled Background
Viewport
10.37.2.1
1841
Router0
Server-PT
Server0
PC-PT
PC2
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

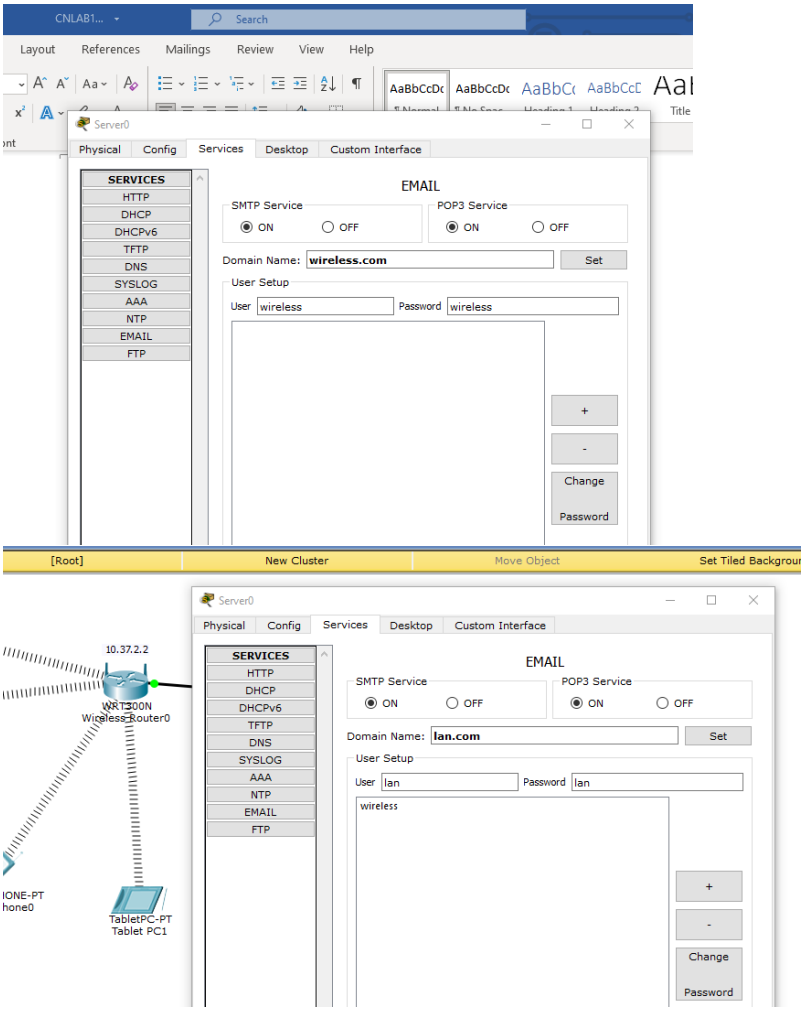

Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
PC0
Physical Config Desktop Custom Interface
PC-PT PC0
PC-PT PC1
SMARTPHONE-PT Smartphone0
WEP Key Needed for Connection
This wireless network has WEP encryption enabled. To connect to this network, select the level of WEP encryption. Enter the required passphrase or WEP key in the appropriate field below. Then click the Connect.
Security WEP
Please select the wireless security method used by your existing wireless network.
WEP 64-bit
To use WEP encryption, select 64-bit or 128-bit
Passphrase
The Passphrase is case-sensitive and should be no more than 16 characters in length.
WEP Key 1 1234567890
When entering this manually, it should be 10 characters for 64-bit encryption or 26 characters for 128-bit encryption. Valid hexadecimal characters are "A" through "F" and numbers "0" through "9".
Cancel
Connect
Wireless-N Notebook Adapter
Wireless Network Monitor v1.0
WPC300N
Time: 00:38:43
Power Cycle Devices Fast Forward Time
Realtime
Connections
Automatically Choose Connection Type
Toggle PDU List Window
Type Color Time(sec) Periodic Num

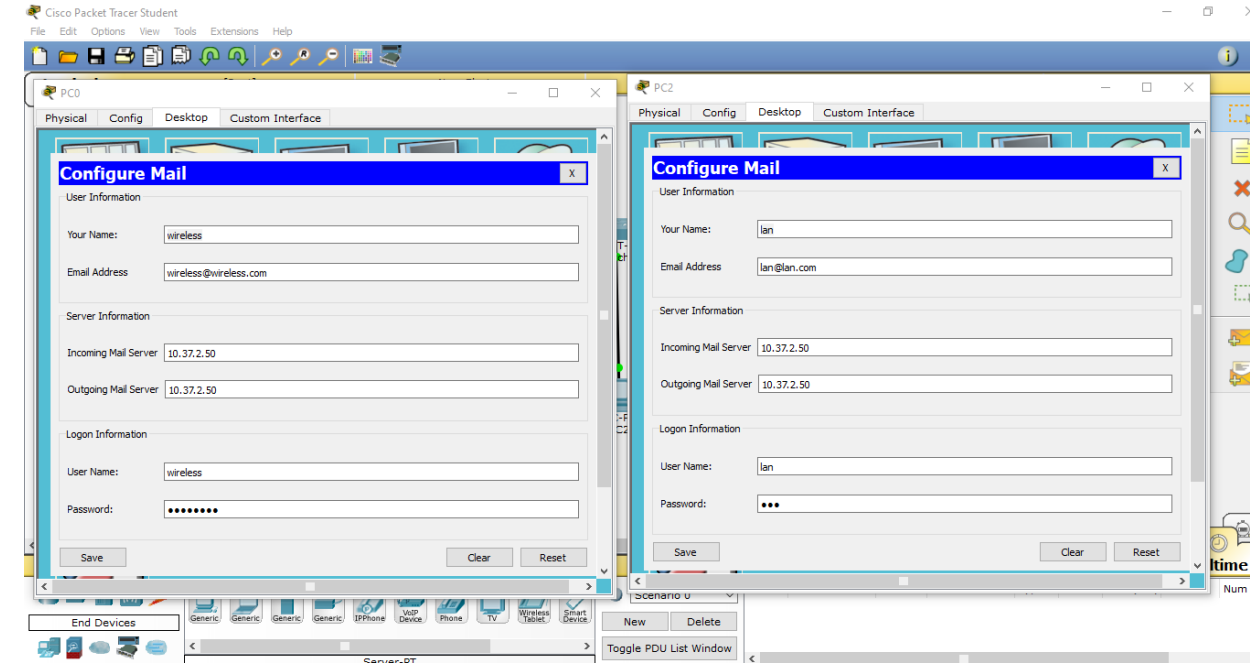

Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
PC0
Physical Config Desktop Custom Interface
PC-PT PC0
10.37.2.2
WRT300N Wireless Router0
PC-PT PC1
SMARTPHONE-PT Smartphone0
TabletPC-PT Tablet PC1
Link Information
Connect
Profiles
Below is a list of available wireless networks. To search for more wireless networks, click the Refresh button. To view more information about a network, select the wireless network name. To connect to that network, click the Connect button below.
Wireless Network Name CH Signal
20k0137Ahsan 4 95%
Site Information
Wireless Mode Infrastructure
Network Type Mixed B/G/N
Radio Band Auto
Security WEP
MAC Address 00D0.BA35.3506
Refresh
Connect
2.4GHz
Adapter is Active
Wireless-N Notebook Adapter
Wireless Network Monitor v1.0
WPC300N
Time: 00:39:14
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

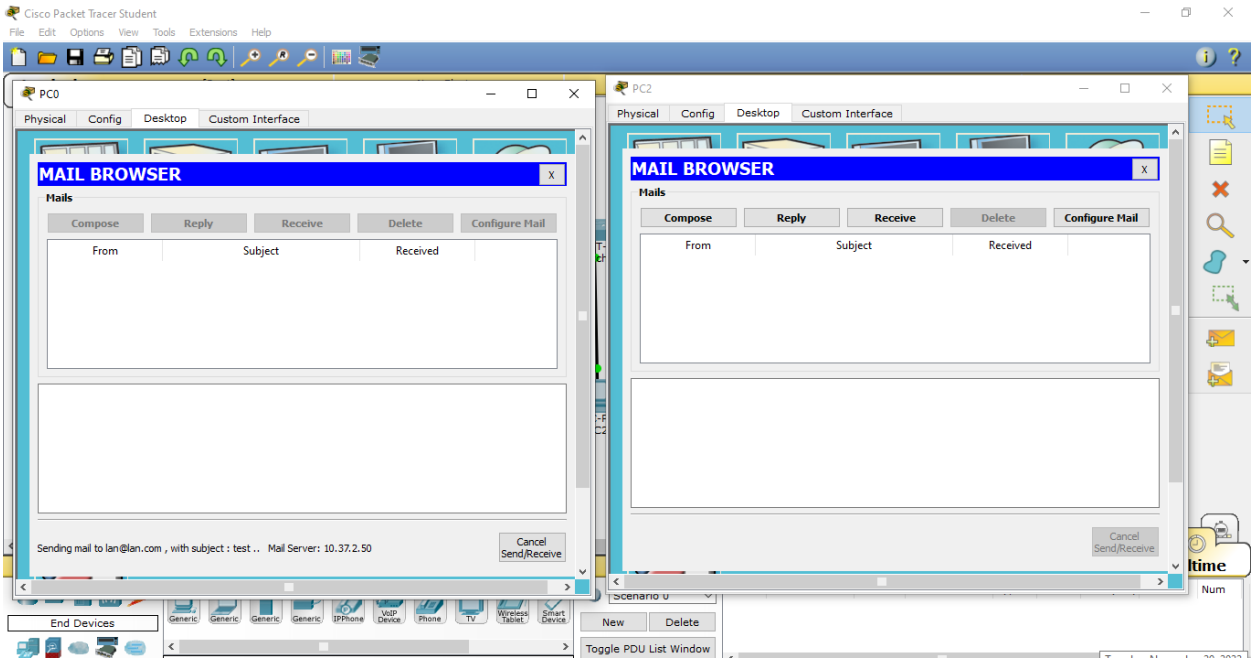

Cisco Packet Tracer Student
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Tablet PC1
Physical
Config
Desktop
Custom Interface
GLOBAL
Settings
Algorithm Settings
INTERFACE
Wireless0
3G/4G Cell1
Wireless0
Port Status
On
Bandwidth
200 Mbps
MAC Address
00D0.BA1C.77DB
SSID
20k0137Ahsan
Authentication
Disabled
WEP
WEP Key
1234567890
WPA-PSK
WPA2-PSK
PSK Pass Phrase
WPA
WPA2
User ID
Password
Encryption Type
40/64-Bits (10 Hex digits)
IP Configuration
DHCP
Static
IP Address
10.37.2.101
Subnet Mask
255.255.255.0
IPv6 Configuration
10.37.2.2
PC-PT PC0
PC-PT PC1
WRT300N Wireless Router
SMARTPHONE-PT Smartphone0
Time: 00:46:58
Power Cycle Devices
Fast Forward Time
Realtime
Connections
Automatically Choose Connection Type
New
Delete
Toggle PDU List Window

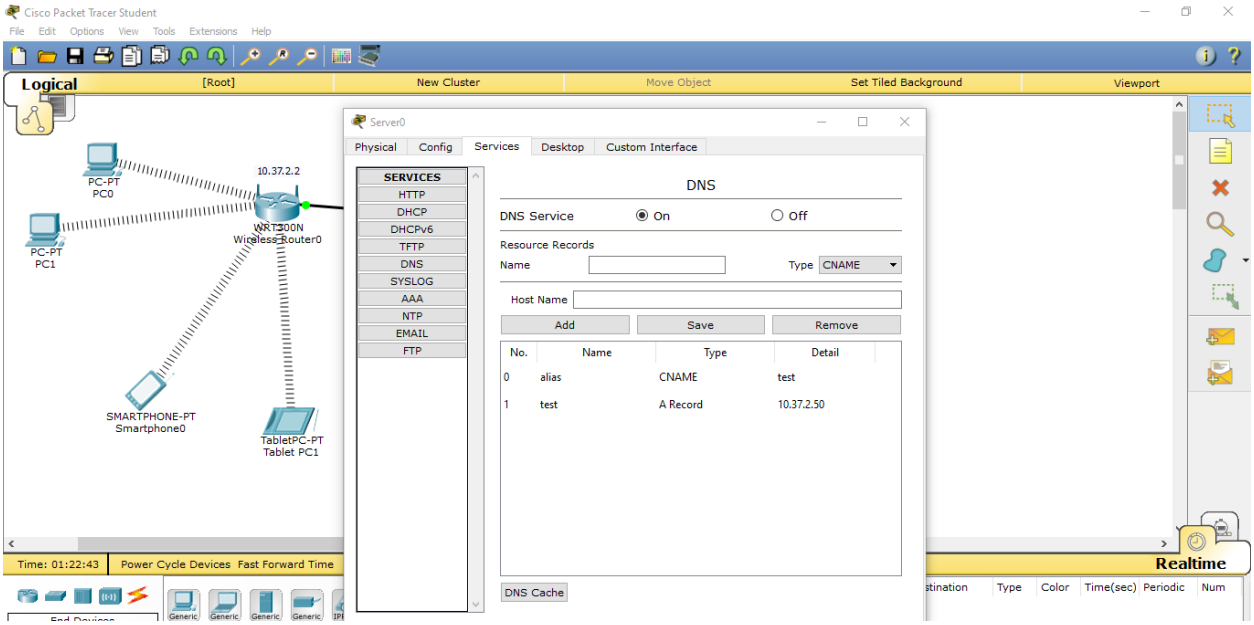

Cisco Packet Tracer Student
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
PC0
Physical
Config
Desktop
Custom Interface
IP Configuration
IP Configuration
DHCP
Static
DHCP request successful.
IP Address
10.37.2.102
Subnet Mask
255.255.255.0
Default Gateway
10.37.2.2
DNS Server
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::20B:BEFF:FEE6:41A5
IPv6 Gateway
IPv6 DNS Server
PC-PT PC0
PC-PT PC1
SMARTPHONE-PT Smartphone0
Time: 00:48:08
Power Cycle Devices
Fast Forward Time
Realtime
Connections
Automatically Choose Connection Type
Toggle PDU List Window

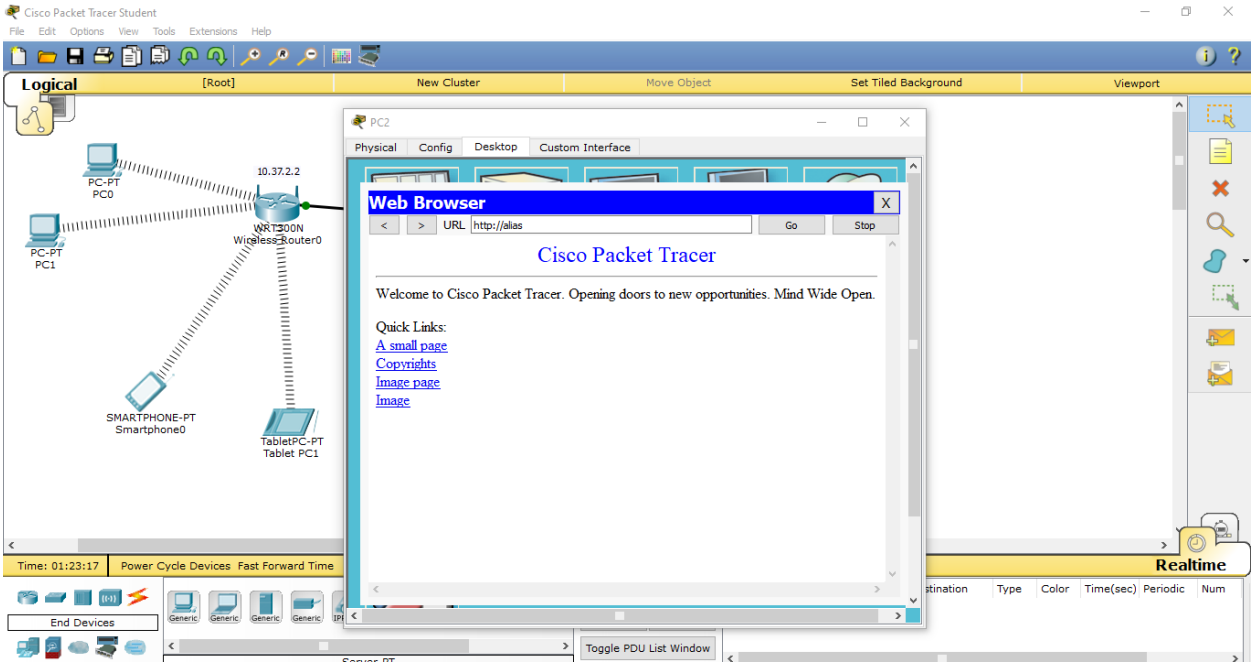

Cisco Packet Tracer Student
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Server0
Physical
Config
Services
Desktop
Custom Interface
IP Configuration
Interface
FastEthernet0
IP Configuration
DHCP
Static
IP Address
10.37.2.50
Subnet Mask
255.255.255.0
Default Gateway
10.37.2.1
DNS Server
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::201:64FF:FE96:4A3E
IPv6 Gateway
IPv6 DNS Server
10.37.2.2
WRT300N
Wireless-Router0
PC-PT
PC0
PC-PT
PC1
SMARTPHONE-PT
Smartphone0
TabletPC-PT
Tablet PC1
Time: 01:17:56
Power Cycle Devices
Fast Forward Time
Realtime

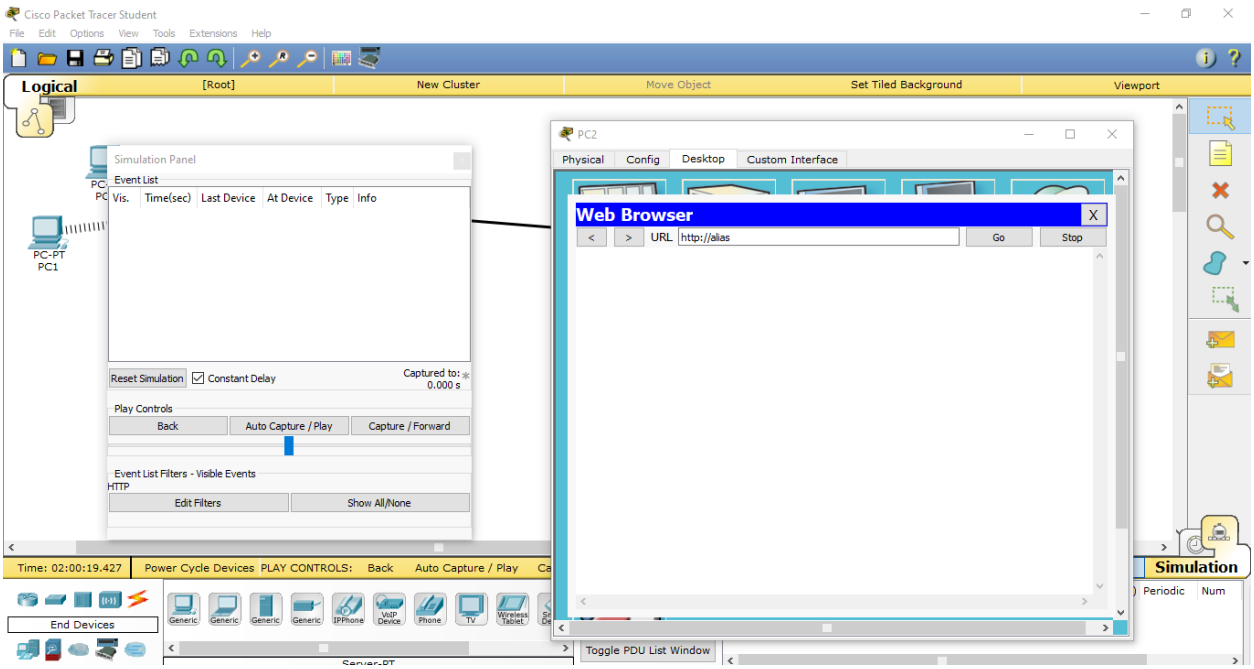

Server0
Physical
Config
Services
Desktop
Custom Interface
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
EMAIL
SMTP Service
ON
OFF
POP3 Service
ON
OFF
Domain Name:
wireless.com
Set
User Setup
User
wireless
Password
wireless
+
-
Change
Password
[Root]
New Cluster
Move Object
Set Tiled Backgrou
10.37.2.2
WRT300N
Wireless-Router0
TabletPC-PT
Tablet PC1
Server0
Physical
Config
Services
Desktop
Custom Interface
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
EMAIL
SMTP Service
ON
OFF
POP3 Service
ON
OFF
Domain Name:
lan.com
Set
User Setup
User
lan
Password
lan
wireless
+
-
Change
Password

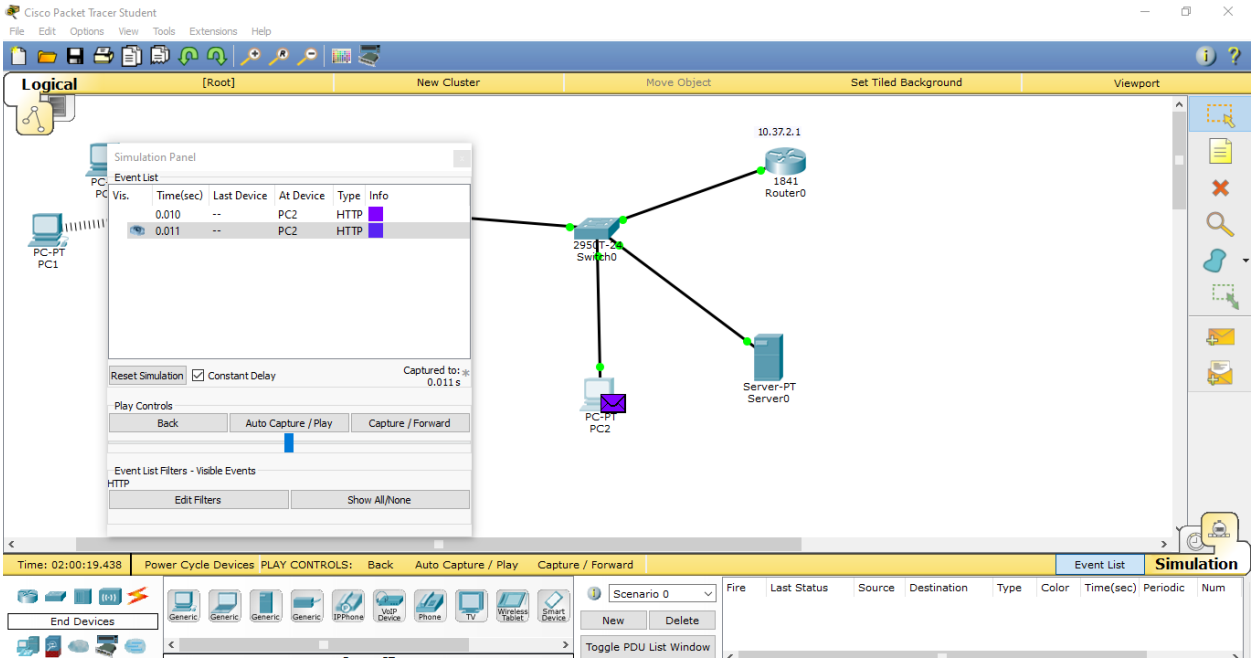

Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
PC0
Physical Config Desktop Custom Interface
Configure Mail
User Information
Your Name: wireless
Email Address: wireless@wireless.com
Server Information
Incoming Mail Server: 10.37.2.50
Outgoing Mail Server: 10.37.2.50
Logon Information
User Name: wireless
Password: ••••••••
Save Clear Reset
PC2
Physical Config Desktop Custom Interface
Configure Mail
User Information
Your Name: lan
Email Address: lan@lan.com
Server Information
Incoming Mail Server: 10.37.2.50
Outgoing Mail Server: 10.37.2.50
Logon Information
User Name: lan
Password: •••
Save Clear Reset
End Devices
New Delete
Toggle PDU List Window

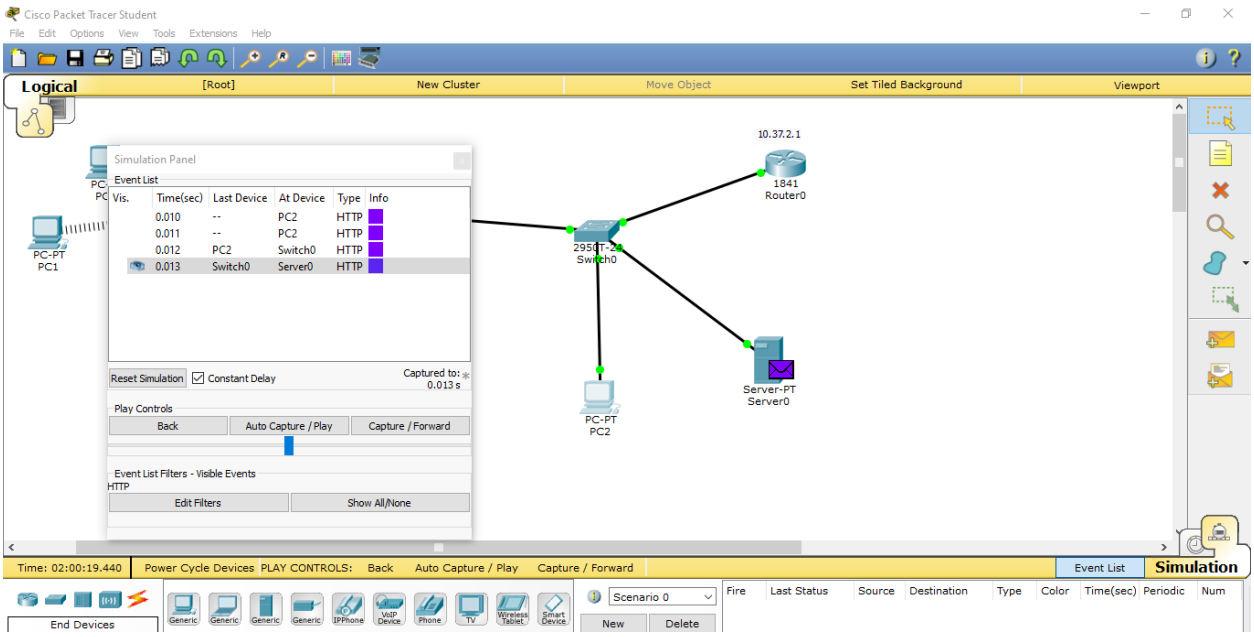

Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
PC0
Physical Config Desktop Custom Interface
MAIL BROWSER
Mails
Compose Reply Receive Delete Configure Mail
From Subject Received
Sending mail to lan@lan.com , with subject : test .. Mail Server: 10.37.2.50
Cancel Send/Receive
PC2
Physical Config Desktop Custom Interface
MAIL BROWSER
Mails
Compose Reply Receive Delete Configure Mail
From Subject Received
Cancel Send/Receive
End Devices
New Delete
Toggle PDU List Window

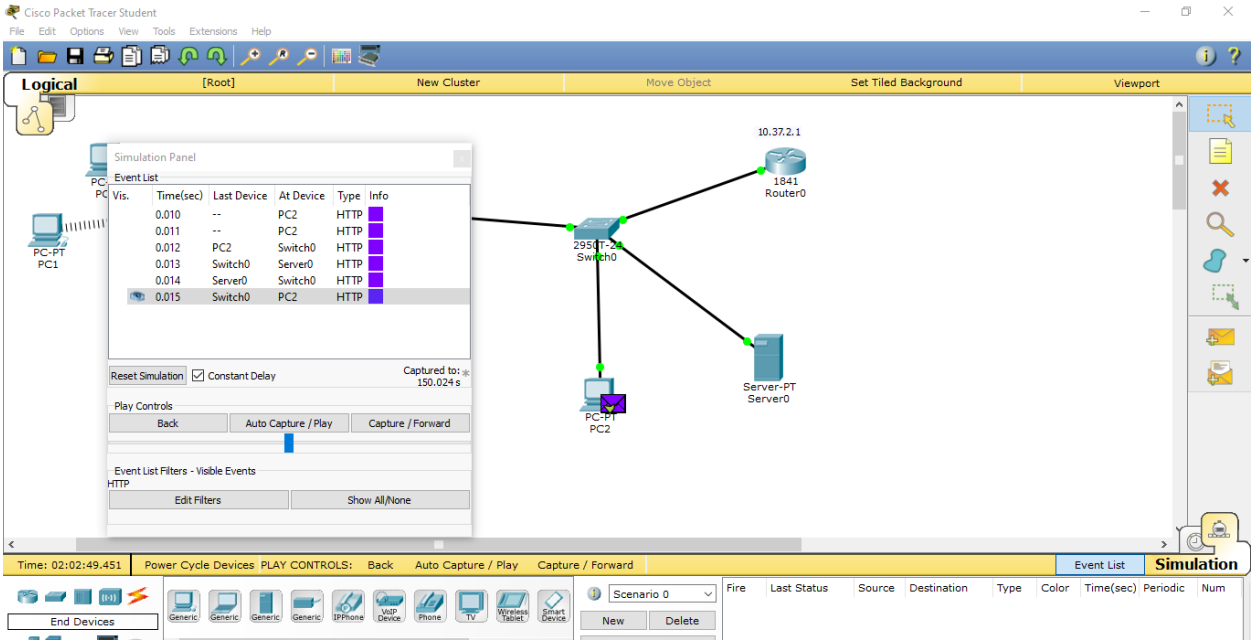

Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Server0
Physical Config Services Desktop Custom Interface
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
DNS
DNS Service On Off
Resource Records
Name
Type CNAME
Host Name
Add Save Remove
No. Name Type Detail
0 alias CNAME test
1 test A Record 10.37.2.50
DNS Cache
10.37.2.2
PC-PT PC0
PC-PT PC1
WRT300N Wireless-Router0
SMARTPHONE-PT Smartphone0
TabletPC-PT Tablet PC1
Time: 01:22:43
Power Cycle Devices Fast Forward Time
Realtime

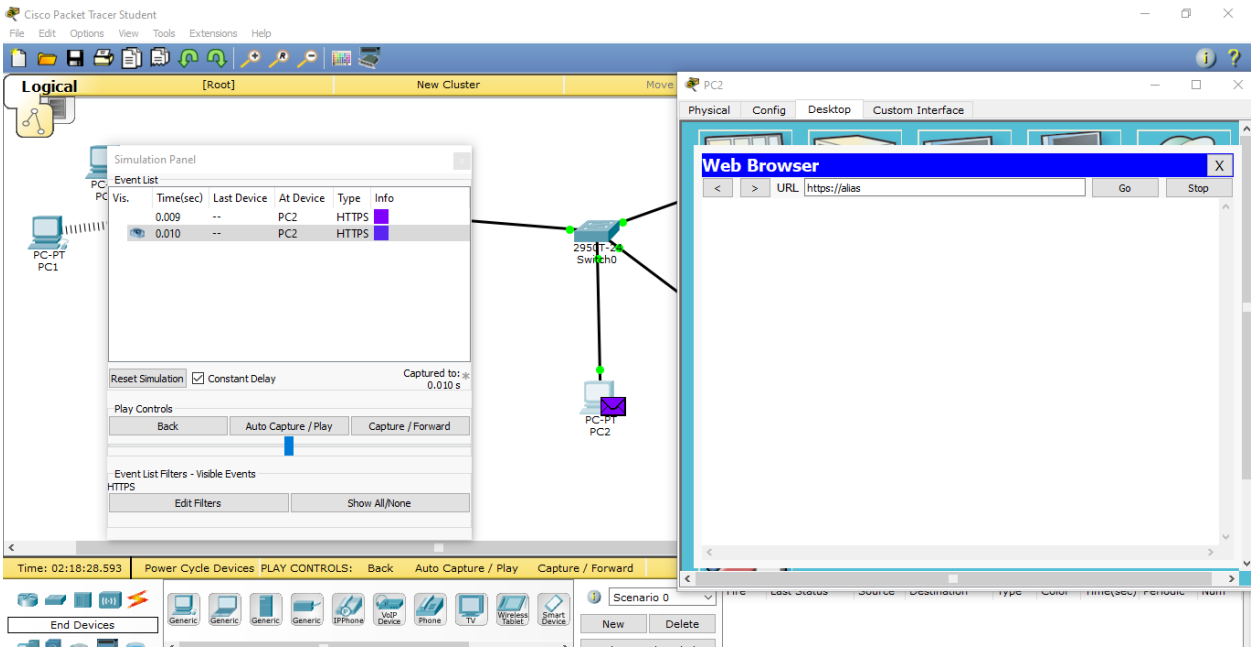

Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
PC2
Physical Config Desktop Custom Interface
Web Browser
URL http://alias
Go Stop
Cisco Packet Tracer
Welcome to Cisco Packet Tracer. Opening doors to new opportunities. Mind Wide Open.
Quick Links:
A small page
Copyrights
Image page
Image
10.37.2.2
PC-PT PC0
PC-PT PC1
WRT300N Wireless-Router0
SMARTPHONE-PT Smartphone0
TabletPC-PT Tablet PC1
Time: 01:23:17
Power Cycle Devices Fast Forward Time
Realtime
End Devices
Toggle PDU List Window

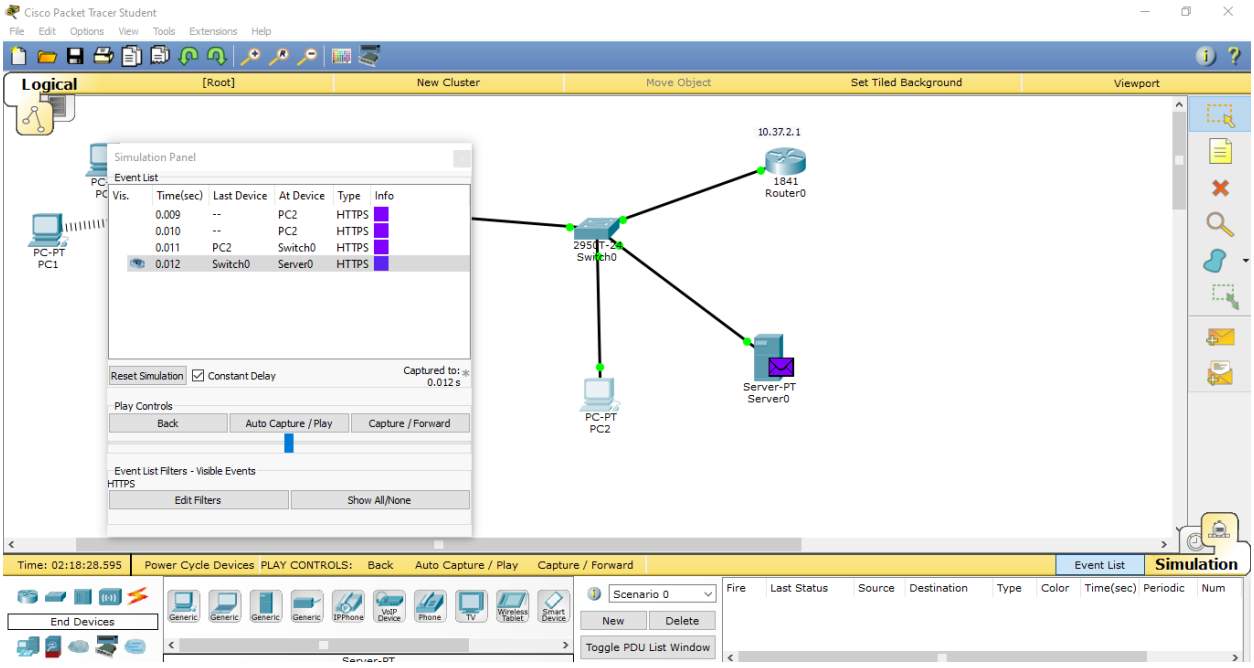

Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Simulation Panel
Event List
Vis. Time(sec) Last Device At Device Type Info
PC-PT PC1
Reset Simulation
Constant Delay
Captured to: 0.000 s
Play Controls
Back
Auto Capture / Play
Capture / Forward
Event List Filters - Visible Events
HTTP
Edit Filters
Show All/None
PC2
Physical
Config
Desktop
Custom Interface
Web Browser
URL http://alias
Go
Stop
Time: 02:00:19.427
Power Cycle Devices PLAY CONTROLS: Back Auto Capture / Play
Simulation
End Devices
Toggle PDU List Window

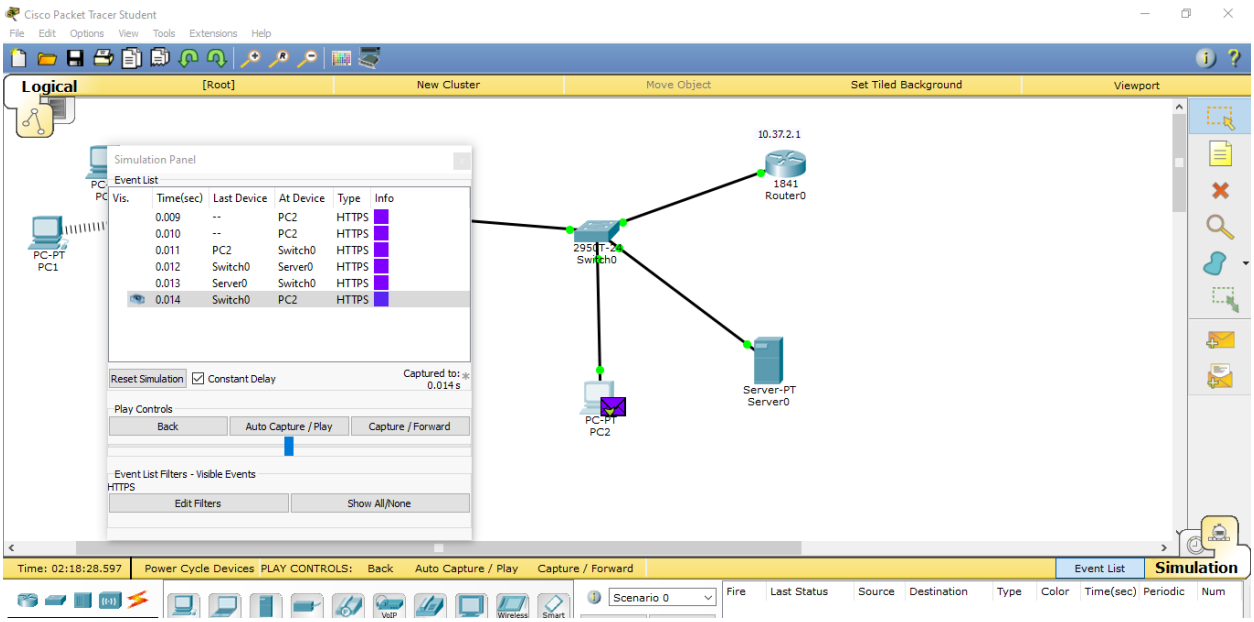

Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Simulation Panel
Event List
Vis. Time(sec) Last Device At Device Type Info
0.010 -- PC2 HTTP
0.011 -- PC2 HTTP
PC-PT PC1
10.37.2.1
1841 Router0
2950T-24 Switch0
Server-PT Server0
PC-PT PC2
Reset Simulation
Constant Delay
Captured to: 0.011 s
Play Controls
Back
Auto Capture / Play
Capture / Forward
Event List Filters - Visible Events
HTTP
Edit Filters
Show All/None
Time: 02:00:19.438
Power Cycle Devices PLAY CONTROLS: Back Auto Capture / Play Capture / Forward
Event List
Simulation
End Devices
Scenario 0
New
Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num


Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Simulation Panel
Event List
Vis. Time(sec) Last Device At Device Type Info
0.010 -- PC2 HTTP
0.011 -- PC2 HTTP
0.012 PC2 Switch0 HTTP
0.013 Switch0 Server0 HTTP
Reset Simulation
Constant Delay
Captured to: 0.013 s
Play Controls
Back
Auto Capture / Play
Capture / Forward
Event List Filters - Visible Events
HTTP
Edit Filters
Show All/None
10.37.2.1
1841 Router0
2950T-24 Switch0
Server-PT Server0
PC-PT PC1
PC-PT PC2
Time: 02:00:19.440
Power Cycle Devices PLAY CONTROLS: Back Auto Capture / Play Capture / Forward
Event List
Simulation
End Devices
Scenario 0
New
Delete
Fire Last Status Source Destination Type Color Time(sec) Periodic Num

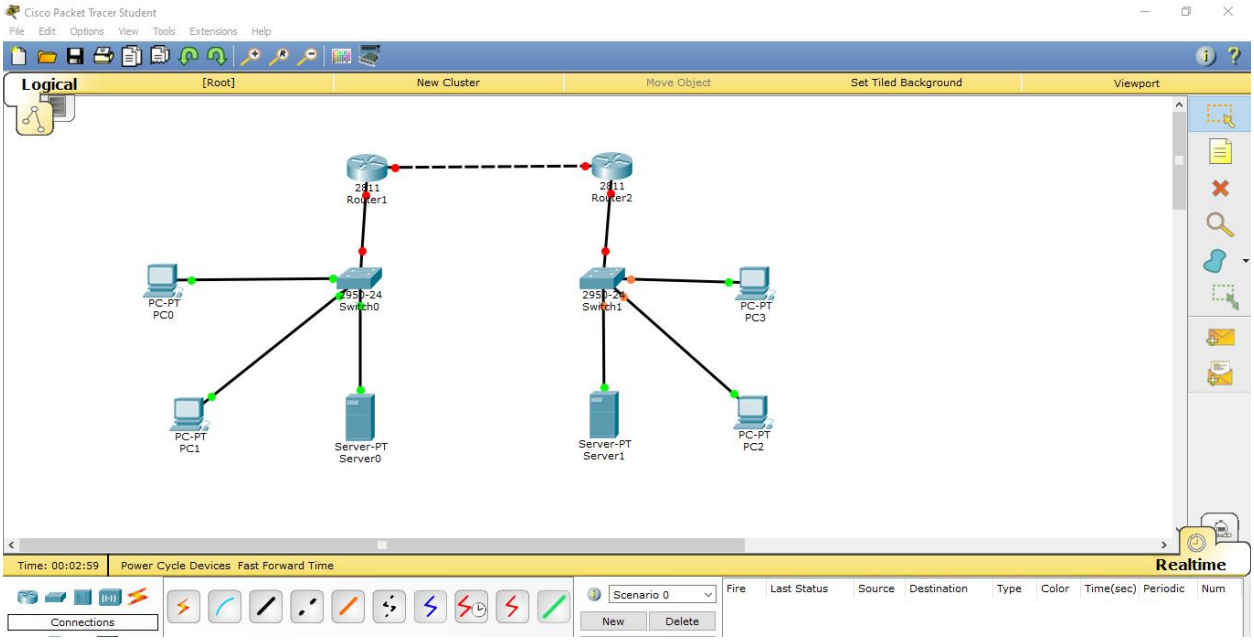

Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Simulation Panel
Event List
Vis. Time(sec) Last Device At Device Type Info
0.010 -- PC2 HTTP
0.011 -- PC2 HTTP
0.012 PC2 Switch0 HTTP
0.013 Switch0 Server0 HTTP
0.014 Server0 Switch0 HTTP
0.015 Switch0 PC2 HTTP
Reset Simulation
Constant Delay
Captured to: 150.024 s
Play Controls
Back
Auto Capture / Play
Capture / Forward
Event List Filters - Visible Events
HTTP
Edit Filters
Show All/None
10.37.2.1
1841 Router0
2950T-24 Switch0
Server-PT Server0
PC-PT PC1
PC-PT PC2
Time: 02:02:49.451
Power Cycle Devices PLAY CONTROLS: Back Auto Capture / Play Capture / Forward
Event List
Simulation
End Devices
Scenario 0
New
Delete
Fire Last Status Source Destination Type Color Time(sec) Periodic Num

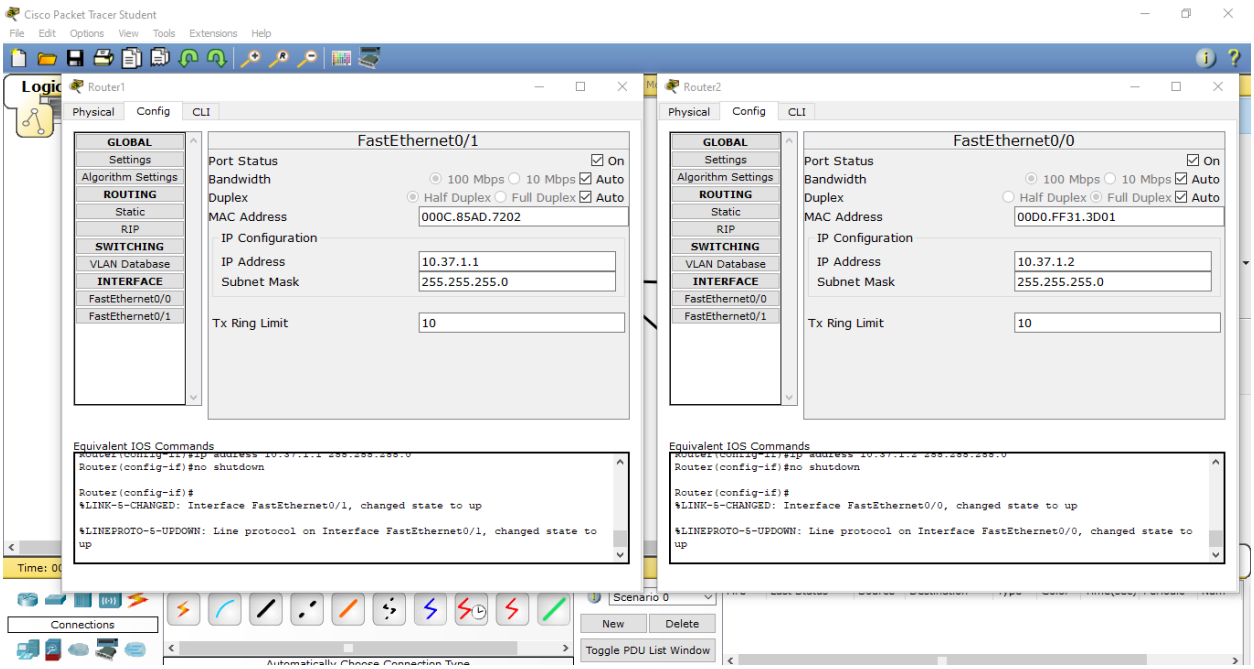

Cisco Packet Tracer Student
Logical
[Root]
New Cluster
Simulation Panel
Event List
Vis. Time(sec) Last Device At Device Type Info
0.009 -- PC2 HTTPS
0.010 -- PC2 HTTPS
PC-PT PC1
2950T-24 Switch0
PC-PT PC2
Reset Simulation
Constant Delay
Captured to: 0.010 s
Play Controls
Back
Auto Capture / Play
Capture / Forward
Event List Filters - Visible Events
HTTPS
Edit Filters
Show All/None
PC2
Physical
Config
Desktop
Custom Interface
Web Browser
URL https://alias
Go
Stop
Time: 02:18:28.593
Power Cycle Devices PLAY CONTROLS: Back Auto Capture / Play Capture / Forward
End Devices
Scenario 0
New
Delete

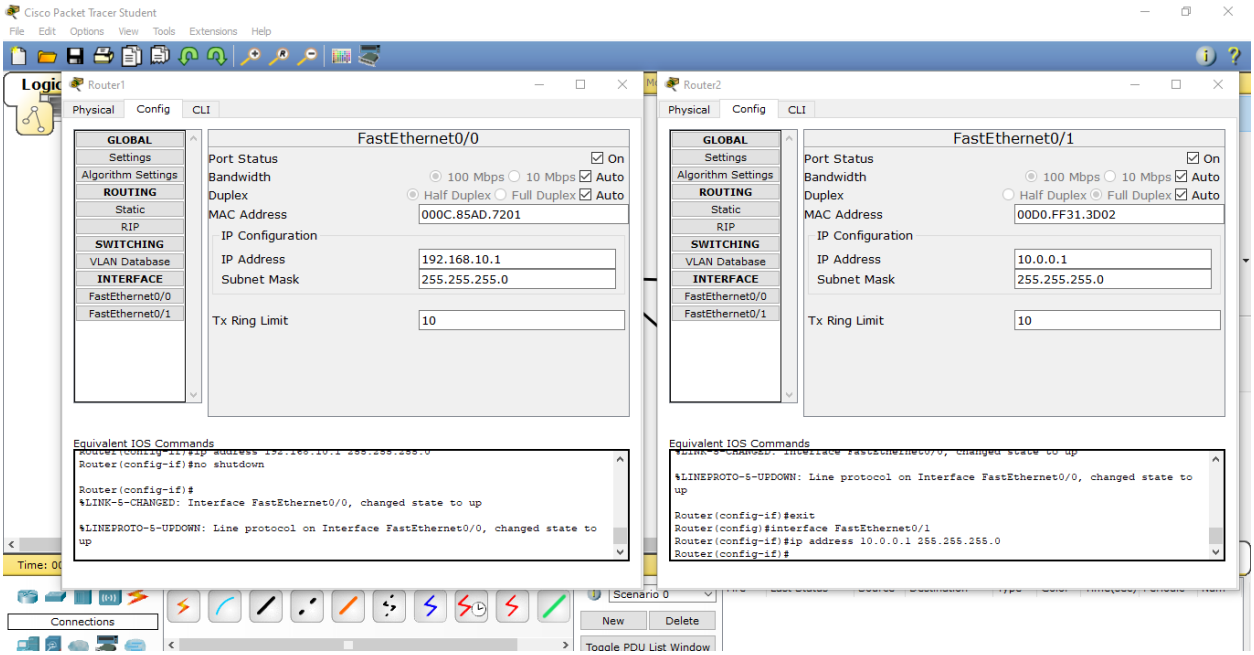

Cisco Packet Tracer Student
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Simulation Panel
Event List
Vis. Time(sec) Last Device At Device Type Info
0.009 -- PC2 HTTPS
0.010 -- PC2 HTTPS
0.011 PC2 Switch0 HTTPS
0.012 Switch0 Server0 HTTPS
10.37.2.1
1841 Router0
PC-PT PC1
2950T-24 Switch0
Server-PT Server0
PC-PT PC2
Reset Simulation
Constant Delay
Captured to: 0.012 s
Play Controls
Back
Auto Capture / Play
Capture / Forward
Event List Filters - Visible Events
HTTPS
Edit Filters
Show All/None
Time: 02:18:28.595
Power Cycle Devices PLAY CONTROLS: Back Auto Capture / Play Capture / Forward
Event List
Simulation
End Devices
Scenario 0
New
Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num

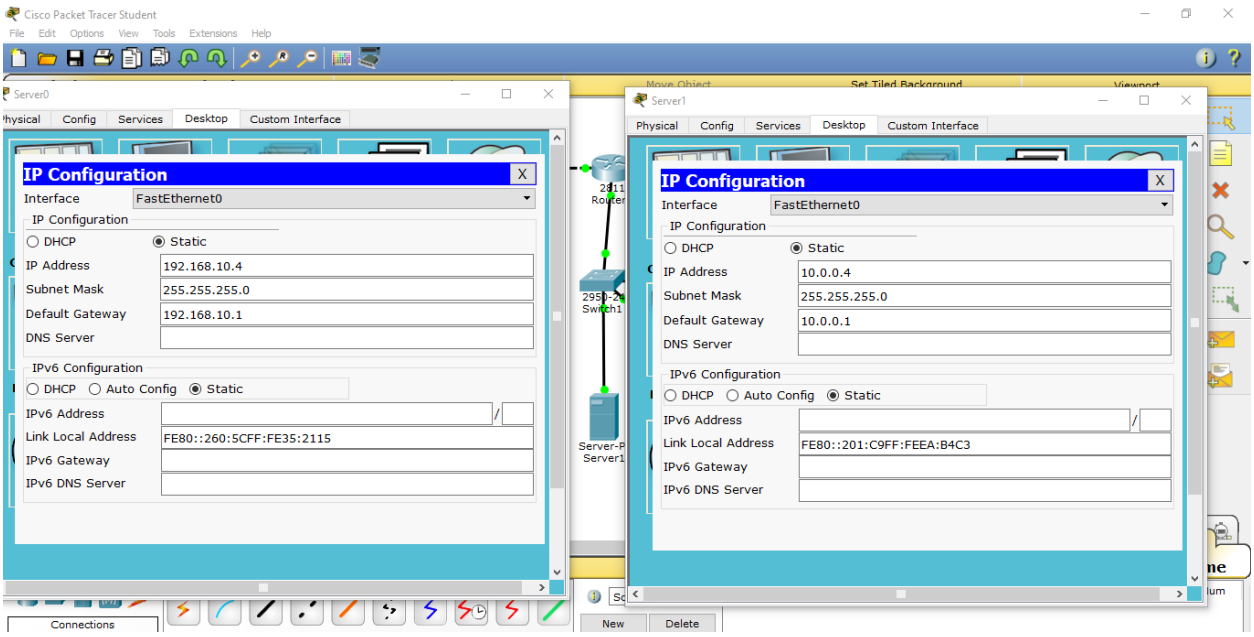

Cisco Packet Tracer Student
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Simulation Panel
Event List
Vis. Time(sec) Last Device At Device Type Info
0.009 -- PC2 HTTPS
0.010 -- PC2 HTTPS
0.011 PC2 Switch0 HTTPS
0.012 Switch0 Server0 HTTPS
0.013 Server0 Switch0 HTTPS
0.014 Switch0 PC2 HTTPS
Reset Simulation
Constant Delay
Captured to: 0.014 s
Play Controls
Back
Auto Capture / Play
Capture / Forward
Event List Filters - Visible Events
HTTPS
Edit Filters
Show All/None
10.37.2.1
1841
Router0
2950-24
Switch0
PC-PT
PC1
Server-PT
Server0
PC-PT
PC2
Time: 02:18:28.597
Power Cycle Devices PLAY CONTROLS: Back Auto Capture / Play Capture / Forward
Event List
Simulation
Scenario 0
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num

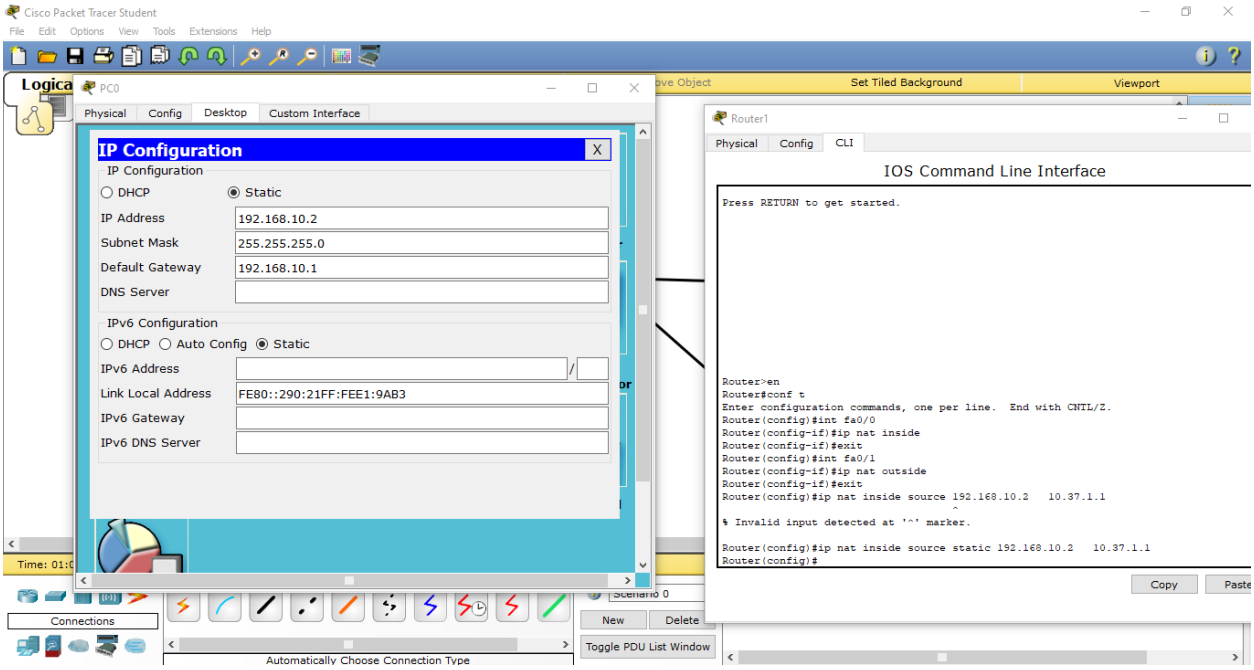
QUESTION # 2:

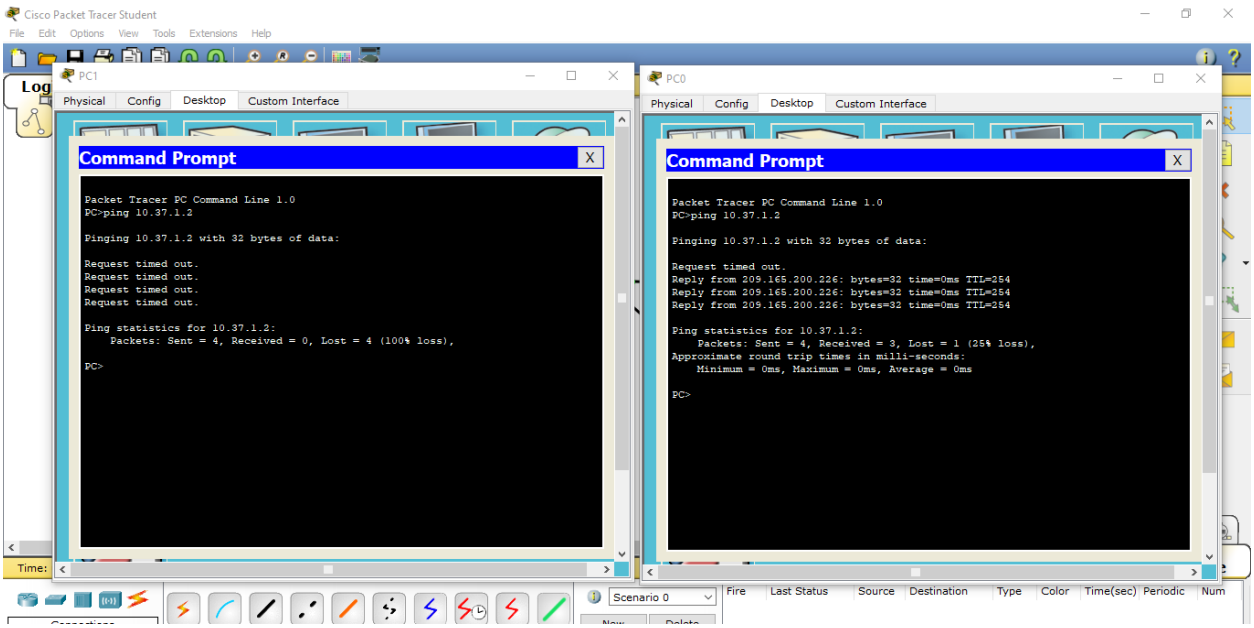

Cisco Packet Tracer Student
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
2811
Router1
2811
Router2
PC-PT
PC0
2950-24
Switch0
2950-24
Switch1
PC-PT
PC3
PC-PT
PC1
Server-PT
Server0
Server-PT
Server1
PC-PT
PC2
Time: 00:02:59
Power Cycle Devices Fast Forward Time
Realtime
Connections
Scenario 0
New
Delete
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num

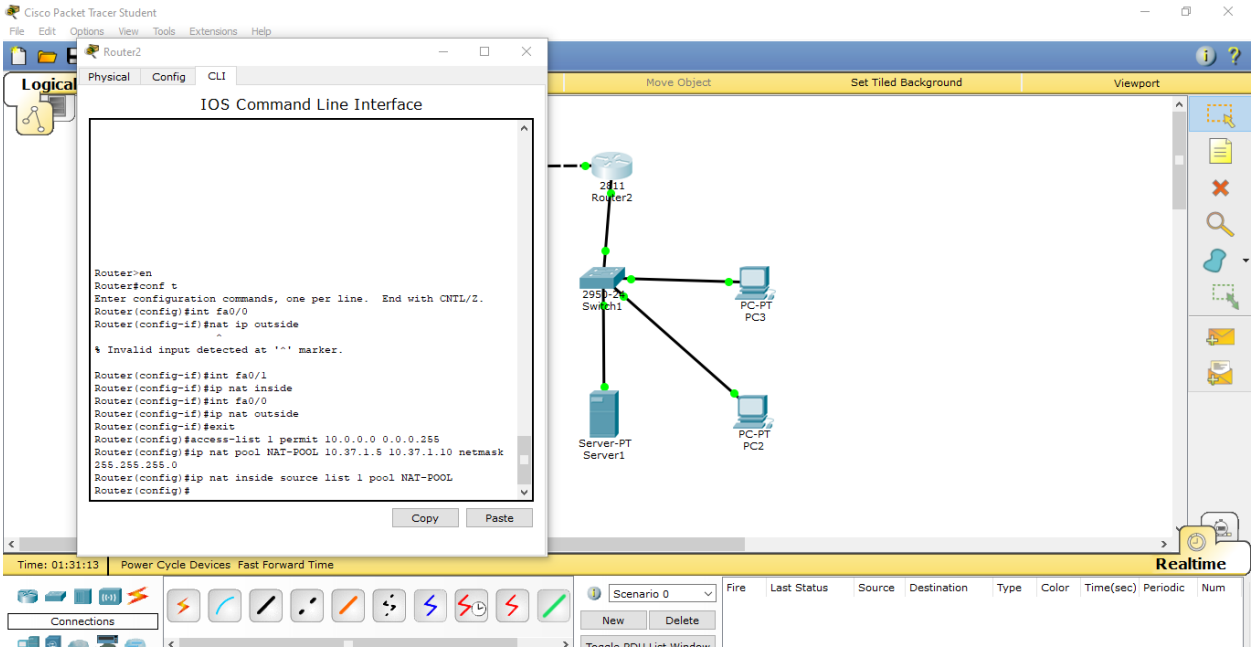

Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Router1
Physical Config CLI
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
FastEthernet0/0
FastEthernet0/1
FastEthernet0/1
Port Status On
Bandwidth 100 Mbps 10 Mbps Auto
Duplex Half Duplex Full Duplex Auto
MAC Address 000C.85AD.7202
IP Configuration
IP Address 10.37.1.1
Subnet Mask 255.255.255.0
Tx Ring Limit 10
Equivalent IOS Commands
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
Router2
Physical Config CLI
FastEthernet0/0
Port Status On
Bandwidth 100 Mbps 10 Mbps Auto
Duplex Half Duplex Full Duplex Auto
MAC Address 00D0.FF31.3D01
IP Configuration
IP Address 10.37.1.2
Subnet Mask 255.255.255.0
Tx Ring Limit 10
Equivalent IOS Commands
Router(config-if)#no shutdown
Router(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
Connections
Scenario 0
New
Delete
Toggle PDU List Window

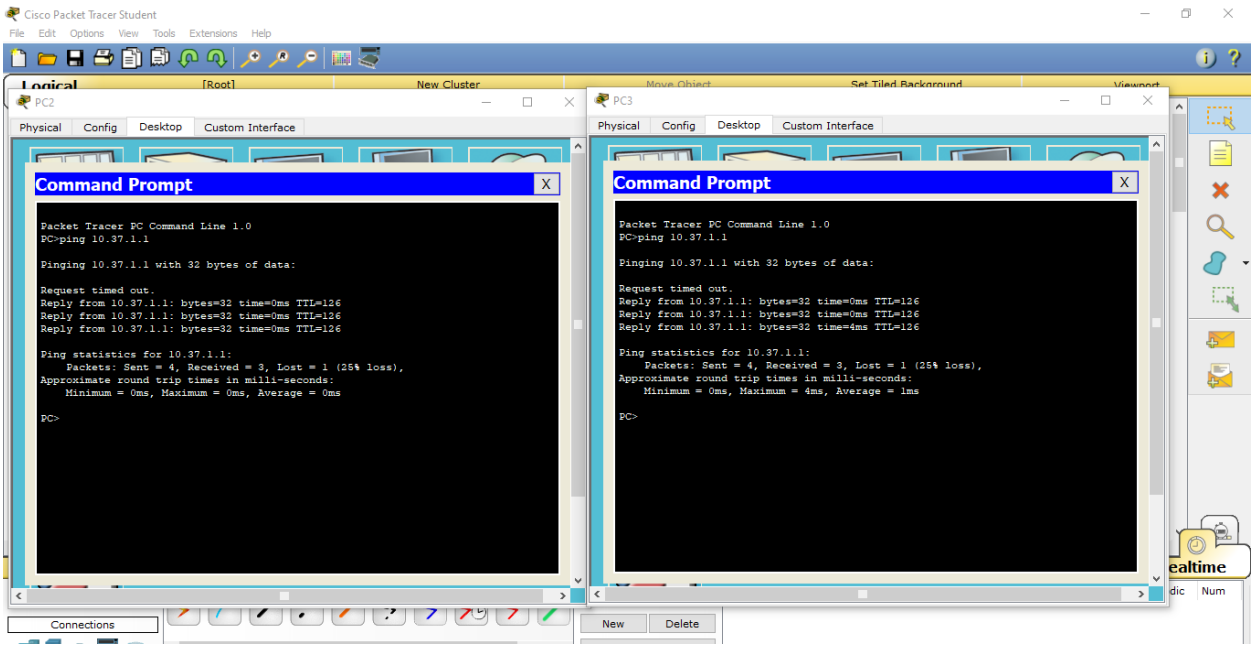

Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Router1
Physical Config CLI
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
FastEthernet0/0
FastEthernet0/1
FastEthernet0/0
Port Status On
Bandwidth 100 Mbps 10 Mbps Auto
Duplex Half Duplex Full Duplex Auto
MAC Address 000C.85AD.7201
IP Configuration
IP Address 192.168.10.1
Subnet Mask 255.255.255.0
Tx Ring Limit 10
Equivalent IOS Commands
Router(config-if)#no shutdown
Router(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
Router2
Physical Config CLI
FastEthernet0/1
Port Status On
Bandwidth 100 Mbps 10 Mbps Auto
Duplex Half Duplex Full Duplex Auto
MAC Address 00D0.FF31.3D02
IP Configuration
IP Address 10.0.0.1
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
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#ip address 10.0.0.1 255.255.255.0
Router(config-if)#
Connections
Scenario 0
New
Delete
Toggle PDU List Window

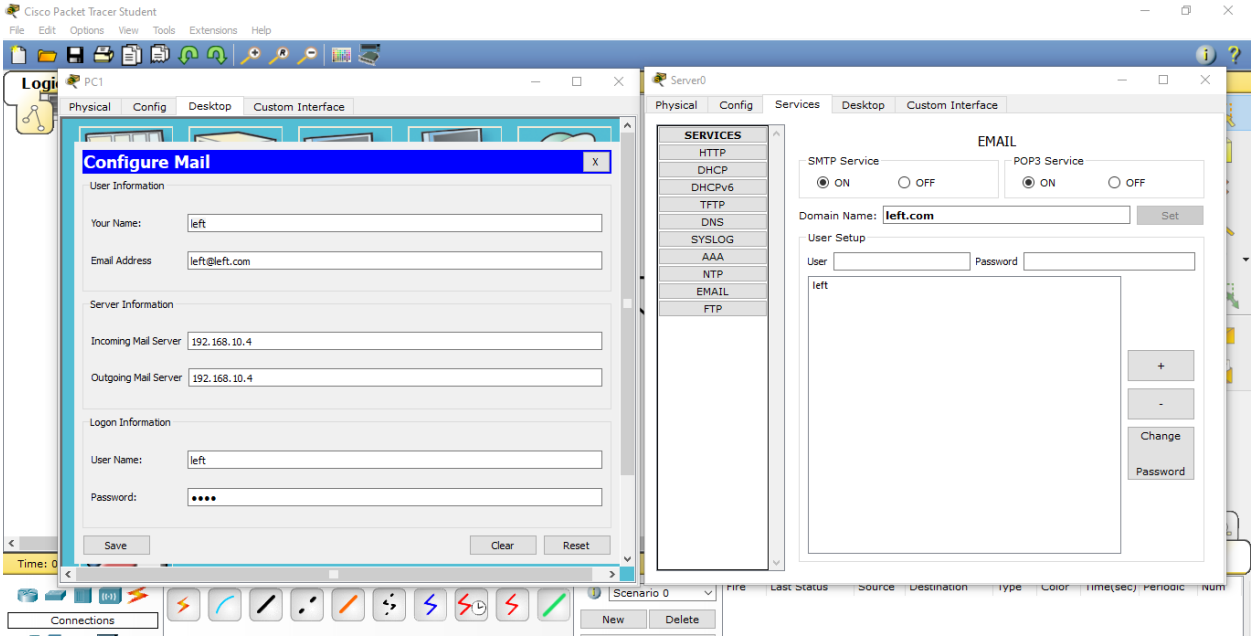

Cisco Packet Tracer Student
Server0
Physical Config Services Desktop Custom Interface
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP Static
IP Address 192.168.10.4
Subnet Mask 255.255.255.0
Default Gateway 192.168.10.1
DNS Server
IPv6 Configuration
DHCP Auto Config Static
IPv6 Address
Link Local Address FE80::260:5CFF:FE35:2115
IPv6 Gateway
IPv6 DNS Server
Server1
Physical Config Services Desktop Custom Interface
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP Static
IP Address 10.0.0.4
Subnet Mask 255.255.255.0
Default Gateway 10.0.0.1
DNS Server
IPv6 Configuration
DHCP Auto Config Static
IPv6 Address
Link Local Address FE80::201:C9FF:FEEA:B4C3
IPv6 Gateway
IPv6 DNS Server
Connections
New
Delete

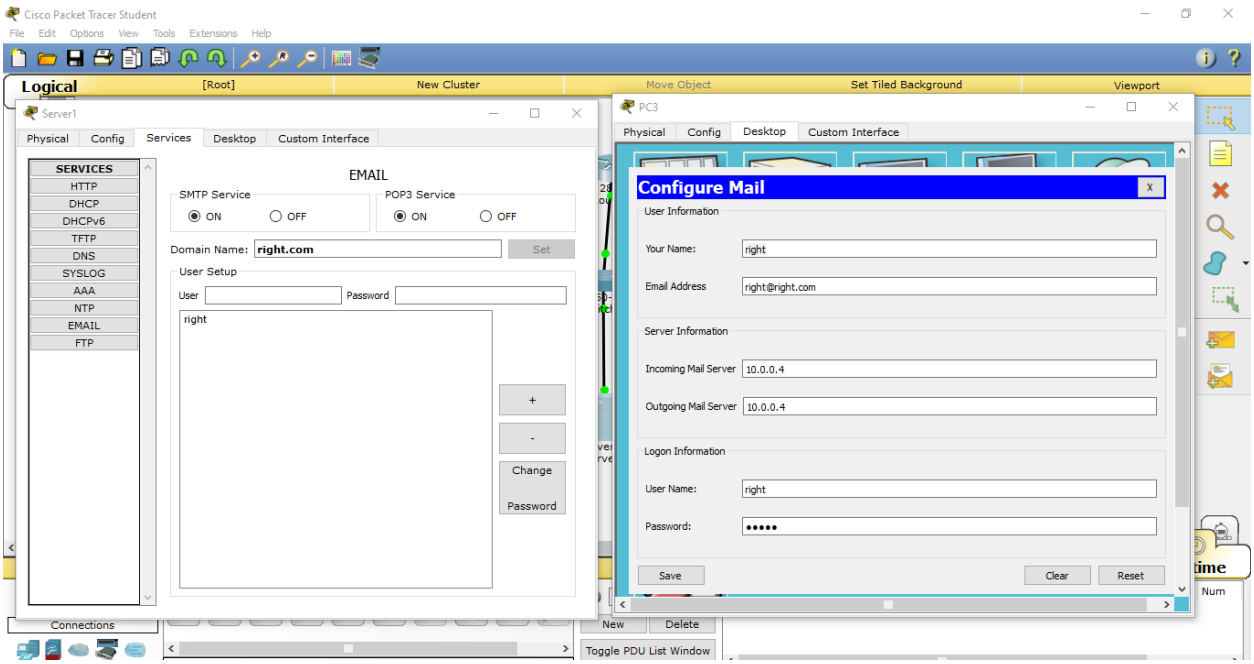

Cisco Packet Tracer Student
PC0
Physical Config Desktop Custom Interface
IP Configuration
IP Configuration
DHCP Static
IP Address 192.168.10.2
Subnet Mask 255.255.255.0
Default Gateway 192.168.10.1
DNS Server
IPv6 Configuration
DHCP Auto Config Static
IPv6 Address
Link Local Address FE80::290:21FF:FEE1:9AB3
IPv6 Gateway
IPv6 DNS Server
Router1
Physical Config CLI
IOS Command Line Interface
Press RETURN to get started.
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip nat inside
Router(config-if)#exit
Router(config)#int fa0/1
Router(config-if)#ip nat outside
Router(config-if)#exit
Router(config)#ip nat inside source 192.168.10.2 10.37.1.1
% Invalid input detected at '^' marker.
Router(config)#ip nat inside source static 192.168.10.2 10.37.1.1
Router(config)#
Copy
Paste
Connections
New
Delete
Toggle PDU List Window
Automatically Choose Connection Type

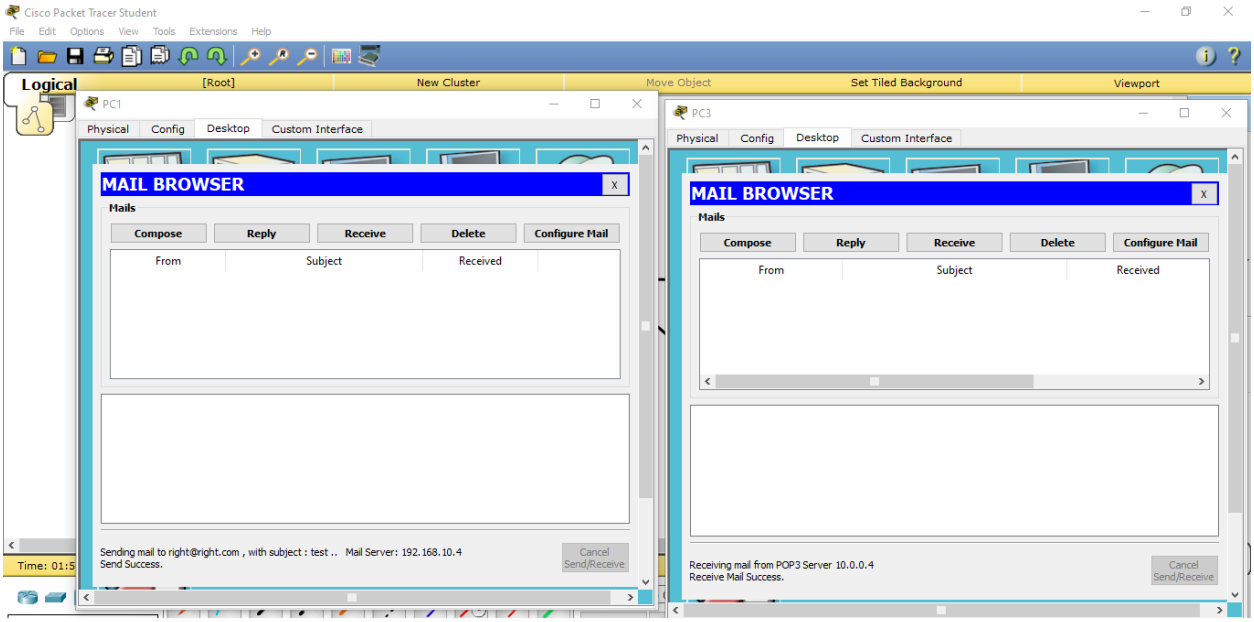

Cisco Packet Tracer Student
PC1
Physical
Config
Desktop
Custom Interface
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping 10.37.1.2
Pinging 10.37.1.2 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 10.37.1.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
PC>
PC0
Physical
Config
Desktop
Custom Interface
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping 10.37.1.2
Pinging 10.37.1.2 with 32 bytes of data:
Request timed out.
Reply from 209.165.200.226: bytes=32 time=0ms TTL=254
Reply from 209.165.200.226: bytes=32 time=0ms TTL=254
Reply from 209.165.200.226: bytes=32 time=0ms TTL=254
Ping statistics for 10.37.1.2:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
PC>
Time:
Scenario 0
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num

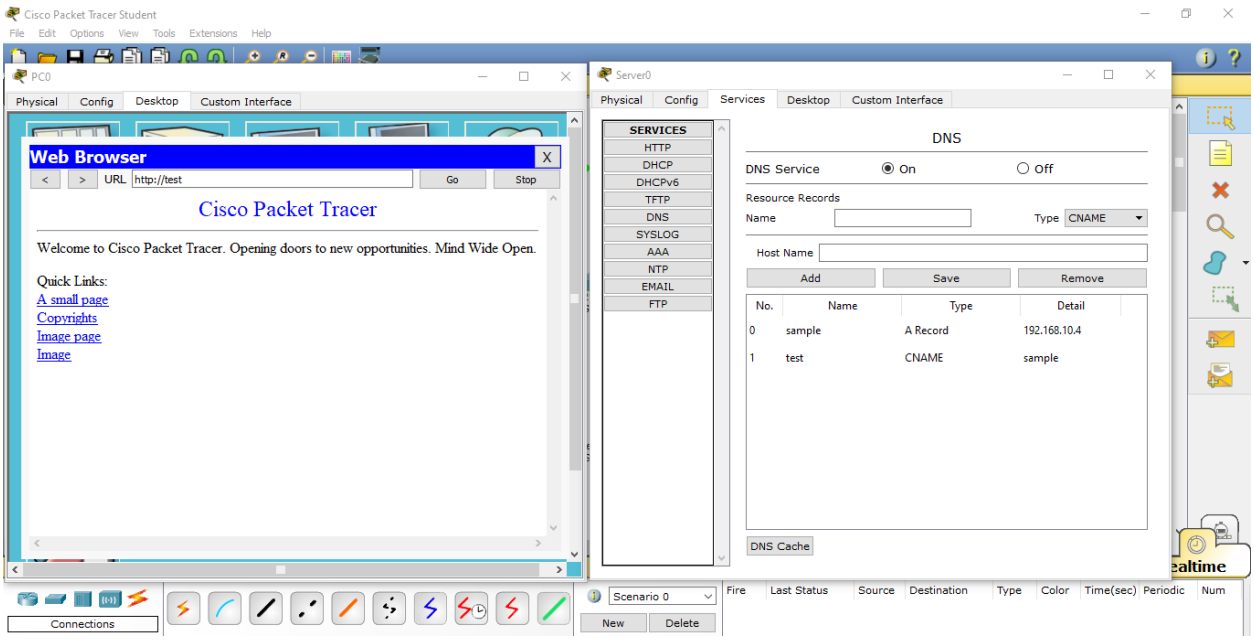

Cisco Packet Tracer Student
Router2
Physical
Config
CLI
IOS Command Line Interface
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#nat ip outside
% Invalid input detected at '^' marker.
Router(config-if)#int fa0/1
Router(config-if)#ip nat inside
Router(config-if)#int fa0/0
Router(config-if)#ip nat outside
Router(config-if)#exit
Router(config)#access-list 1 permit 10.0.0.0 0.0.0.255
Router(config)#ip nat pool NAT-POOL 10.37.1.5 10.37.1.10 netmask 255.255.255.0
Router(config)#ip nat inside source list 1 pool NAT-POOL
Router(config)#
Copy
Paste
Logical
Move Object
Set Tiled Background
Viewport
2811
Router2
2950-24
Switch1
PC-PT
PC3
Server-PT
Server1
PC-PT
PC2
Time: 01:31:13
Power Cycle Devices
Fast Forward Time
Realtime
Connections
Scenario 0
New
Delete
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num


Cisco Packet Tracer Student
PC2
Physical
Config
Desktop
Custom Interface
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping 10.37.1.1
Pinging 10.37.1.1 with 32 bytes of data:
Request timed out.
Reply from 10.37.1.1: bytes=32 time=0ms TTL=126
Reply from 10.37.1.1: bytes=32 time=0ms TTL=126
Reply from 10.37.1.1: bytes=32 time=0ms TTL=126
Ping statistics for 10.37.1.1:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
PC>
PC3
Physical
Config
Desktop
Custom Interface
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping 10.37.1.1
Pinging 10.37.1.1 with 32 bytes of data:
Request timed out.
Reply from 10.37.1.1: bytes=32 time=0ms TTL=126
Reply from 10.37.1.1: bytes=32 time=0ms TTL=126
Reply from 10.37.1.1: bytes=32 time=4ms TTL=126
Ping statistics for 10.37.1.1:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 4ms, Average = 1ms
PC>
Connections
New
Delete


Cisco Packet Tracer Student
PC1
Physical
Config
Desktop
Custom Interface
Configure Mail
User Information
Your Name: left
Email Address: left@left.com
Server Information
Incoming Mail Server: 192.168.10.4
Outgoing Mail Server: 192.168.10.4
Logon Information
User Name: left
Password: ••••
Save
Clear
Reset
Server0
Physical
Config
Services
Desktop
Custom Interface
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
EMAIL
SMTP Service
ON
OFF
POP3 Service
ON
OFF
Domain Name: left.com
Set
User Setup
User
Password
left
+
-
Change
Password
Connections
New
Delete

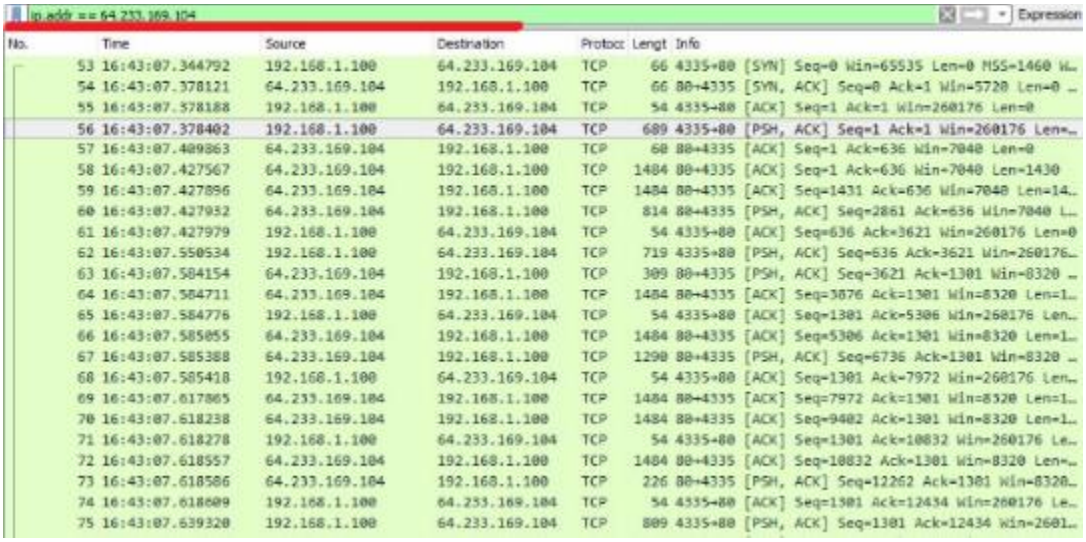

Cisco Packet Tracer Student
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Server1
Physical
Config
Services
Desktop
Custom Interface
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
EMAIL
SMTP Service
ON
OFF
POP3 Service
ON
OFF
Domain Name: right.com
Set
User Setup
User
Password
right
+
-
Change
Password
PC3
Physical
Config
Desktop
Custom Interface
Configure Mail
User Information
Your Name: right
Email Address: right@right.com
Server Information
Incoming Mail Server: 10.0.0.4
Outgoing Mail Server: 10.0.0.4
Logon Information
User Name: right
Password: •••••
Save
Clear
Reset
Connections
New
Delete
Toggle PDU List Window


Cisco Packet Tracer Student
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
PC1
Physical
Config
Desktop
Custom Interface
MAIL BROWSER
Mails
Compose
Reply
Receive
Delete
Configure Mail
From
Subject
Received
Sending mail to right@right.com , with subject : test .. Mail Server: 192.168.10.4
Send Success.
Cancel Send/Receive
PC3
Physical
Config
Desktop
Custom Interface
MAIL BROWSER
Mails
Compose
Reply
Receive
Delete
Configure Mail
From
Subject
Received
Receiving mail from POP3 Server 10.0.0.4
Receive Mail Success.
Cancel Send/Receive


Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
PC0
Physical Config Desktop Custom Interface
Web Browser
URL http://test
Go Stop
Cisco Packet Tracer
Welcome to Cisco Packet Tracer. Opening doors to new opportunities. Mind Wide Open.
Quick Links:
A small page
Copyrights
Image page
Image
Server0
Physical Config Services Desktop Custom Interface
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
DNS
DNS Service On Off
Resource Records
Name Type CNAME
Host Name
Add Save Remove
No. Name Type Detail
0 sample A Record 192.168.10.4
1 test CNAME sample
DNS Cache
Connections
Scenario 0
New Delete
Fire Last Status Source Destination Type Color Time(sec) Periodic Num

QUESTION # 3:

1. 192.168.1.100
2. http doesn't return any result but ip.addr == 64.233.169.104 returns result:



No.	Time	Source	Destination	Protocc	Lengt	Info
53	16:43:07.344792	192.168.1.100	64.233.169.104	TCP	66	4335→80 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 W…
54	16:43:07.378121	64.233.169.104	192.168.1.100	TCP	66	80→4335 [SYN, ACK] Seq=0 Ack=1 Win=5720 Len=0 …
55	16:43:07.378188	192.168.1.100	64.233.169.104	TCP	54	4335→80 [ACK] Seq=1 Ack=1 Win=260176 Len=0
56	16:43:07.378402	192.168.1.100	64.233.169.104	TCP	689	4335→80 [PSH, ACK] Seq=1 Ack=1 Win=260176 Len=…
57	16:43:07.409863	64.233.169.104	192.168.1.100	TCP	60	80→4335 [ACK] Seq=1 Ack=636 Win=7040 Len=0
58	16:43:07.427567	64.233.169.104	192.168.1.100	TCP	1484	80→4335 [ACK] Seq=1 Ack=636 Win=7040 Len=1430
59	16:43:07.427896	64.233.169.104	192.168.1.100	TCP	1484	80→4335 [ACK] Seq=1431 Ack=636 Win=7040 Len=14…
60	16:43:07.427952	64.233.169.104	192.168.1.100	TCP	814	80→4335 [PSH, ACK] Seq=2861 Ack=636 Win=7040 L…
61	16:43:07.427979	192.168.1.100	64.233.169.104	TCP	54	4335→80 [ACK] Seq=636 Ack=3621 Win=260176 Len=0
62	16:43:07.550534	192.168.1.100	64.233.169.104	TCP	719	4335→80 [PSH, ACK] Seq=636 Ack=3621 Win=260176…
63	16:43:07.584154	64.233.169.104	192.168.1.100	TCP	309	80→4335 [PSH, ACK] Seq=3621 Ack=1301 Win=8320 …
64	16:43:07.584711	64.233.169.104	192.168.1.100	TCP	1484	80→4335 [ACK] Seq=3876 Ack=1301 Win=8320 Len=1…
65	16:43:07.584776	192.168.1.100	64.233.169.104	TCP	54	4335→80 [ACK] Seq=1301 Ack=5306 Win=260176 Len…
66	16:43:07.585055	64.233.169.104	192.168.1.100	TCP	1484	80→4335 [ACK] Seq=5306 Ack=1301 Win=8320 Len=1…
67	16:43:07.585388	64.233.169.104	192.168.1.100	TCP	1290	80→4335 [PSH, ACK] Seq=6736 Ack=1301 Win=8320 …
68	16:43:07.585418	192.168.1.100	64.233.169.104	TCP	54	4335→80 [ACK] Seq=1301 Ack=7972 Win=260176 Len…
69	16:43:07.617865	64.233.169.104	192.168.1.100	TCP	1484	80→4335 [ACK] Seq=7972 Ack=1301 Win=8320 Len=1…
70	16:43:07.618238	64.233.169.104	192.168.1.100	TCP	1484	80→4335 [ACK] Seq=9402 Ack=1301 Win=8320 Len=1…
71	16:43:07.618278	192.168.1.100	64.233.169.104	TCP	54	4335→80 [ACK] Seq=1301 Ack=10832 Win=260176 Le…
72	16:43:07.618557	64.233.169.104	192.168.1.100	TCP	1484	80→4335 [ACK] Seq=10832 Ack=1301 Win=8320 Len=…
73	16:43:07.618586	64.233.169.104	192.168.1.100	TCP	226	80→4335 [PSH, ACK] Seq=12262 Ack=1301 Win=8320…
74	16:43:07.618609	192.168.1.100	64.233.169.104	TCP	54	4335→80 [ACK] Seq=1301 Ack=12434 Win=260176 Le…
75	16:43:07.639320	192.168.1.100	64.233.169.104	TCP	809	4335→80 [PSH, ACK] Seq=1301 Ack=12434 Win=2601…

3. Source IP: 192.168.1.100, Source Port :4335, Destination IP: 64.233.169.104,Destination Port: 80
4. Time: 7.158798, Destination IP: 192.168.1.100, Destination Port :4335, Source IP: 64.233.169.104,Source Port: 80
5. Time: 7.075657 , Source IP: 192.168.1.100, Source Port :4335, Destination IP: 64.233.169.104,Destination Port: 80, Destination IP: 192.168.1.100, Destination Port :4335, Source IP: 64.233.169.104,Source Port: 80,Time: 7.108986