

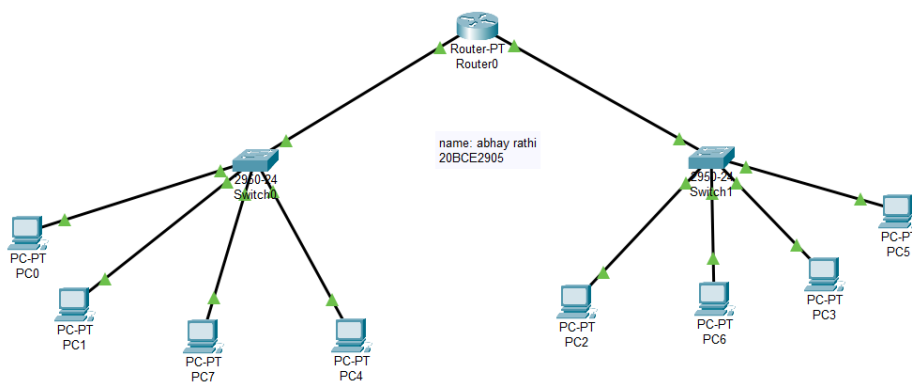
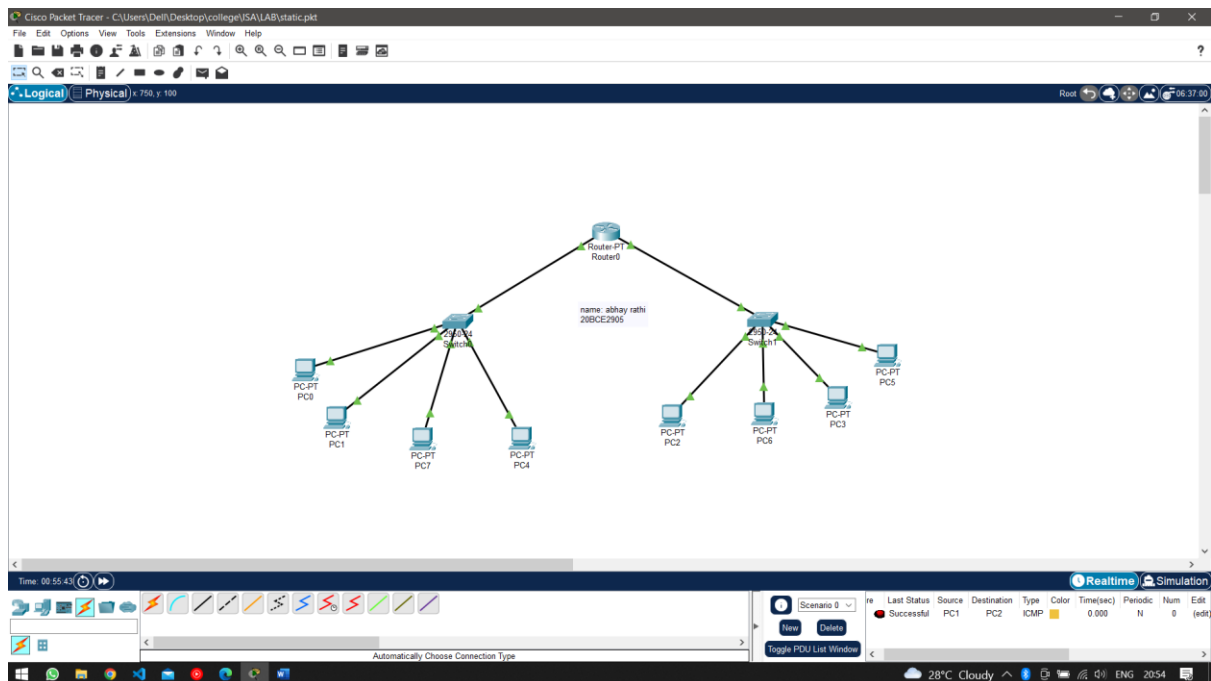
ISA
LAB ASSIGNMENT
DIGITAL ASSIGNMENT 1

FACULTY: MURALI S

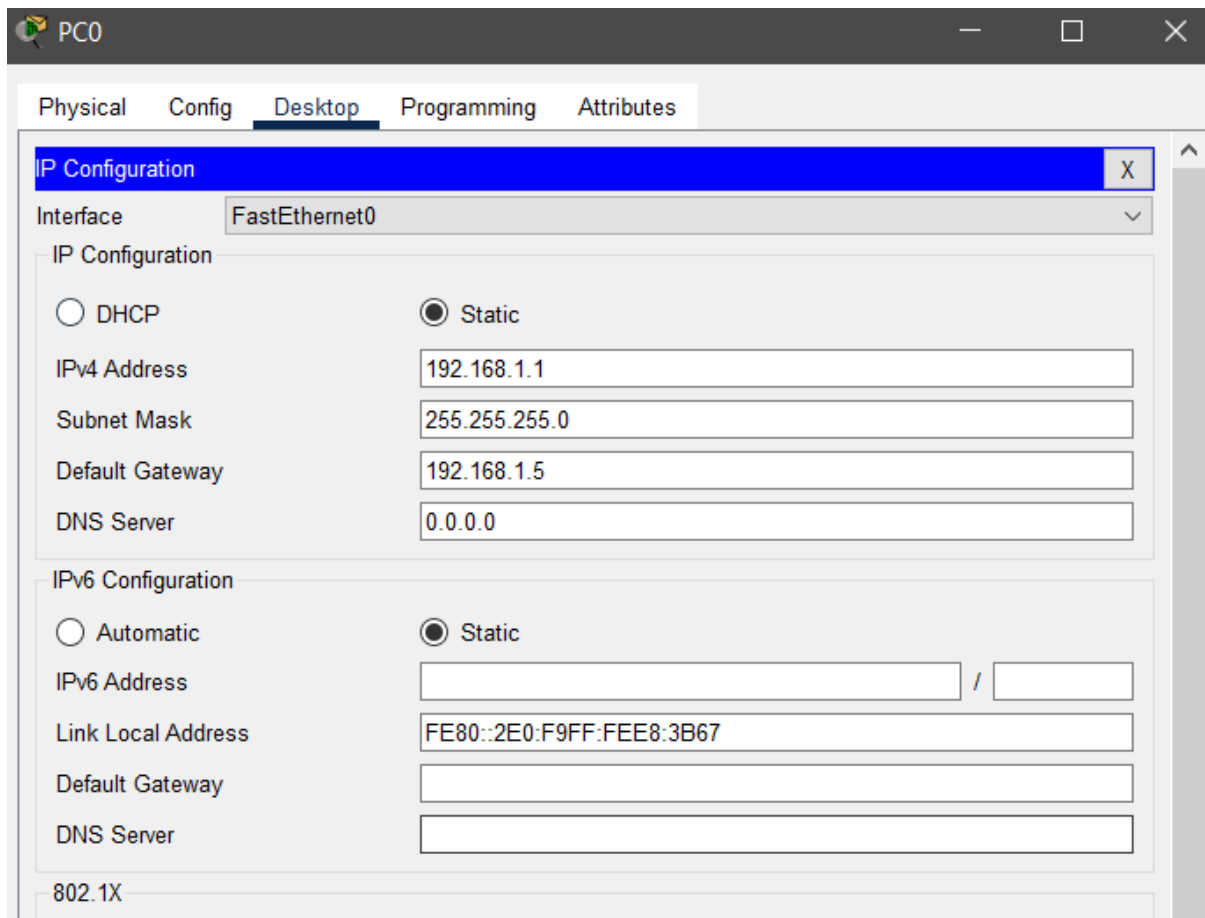
NAME: ABHAY RATHI
20BCE2905

DYNAMIC AND STATIC ROUTING:

STATIC ROUTING:



assigned Ip address to pc in switch 0;



The screenshot shows a configuration window for PC0 with tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying the IP Configuration section for the FastEthernet0 interface. The IP Configuration section has two radio buttons: DHCP (unselected) and Static (selected). Below the radio buttons are four text input fields: IPv4 Address (192.168.1.1), Subnet Mask (255.255.255.0), Default Gateway (192.168.1.5), and DNS Server (0.0.0.0). The IPv6 Configuration section also has two radio buttons: Automatic (unselected) and Static (selected). Below the radio buttons are four text input fields: IPv6 Address (empty), Link Local Address (FE80::2E0:F9FF:FEE8:3B67), Default Gateway (empty), and DNS Server (empty). The 802.1X section is partially visible at the bottom.

IP Configuration	
Interface	FastEthernet0
IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	192.168.1.1
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.5
DNS Server	0.0.0.0
IPv6 Configuration	
<input type="radio"/> Automatic	<input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::2E0:F9FF:FEE8:3B67
Default Gateway	
DNS Server	
802.1X	

Assigned Ip to pc in switch 1:

PC2

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.2.1

Subnet Mask 255.255.255.0

Default Gateway 192.168.2.5

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::201:C9FF:FED4:4A3E

Default Gateway

DNS Server

802.1X

In router:

FastEthernet 0/0

FastEthernet0/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0009.7C06.69EB

IP Configuration

IPv4 Address 192.168.1.5



Subnet Mask 255.255.255.0

Tx Ring Limit 10



fastEthernet 1/0

FastEthernet1/0	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input type="radio"/> Half Duplex <input checked="" type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	0030.F22B.17C8
IP Configuration	
IPv4 Address	192.168.2.5
Subnet Mask	255.255.255.0
Tx Ring Limit	10

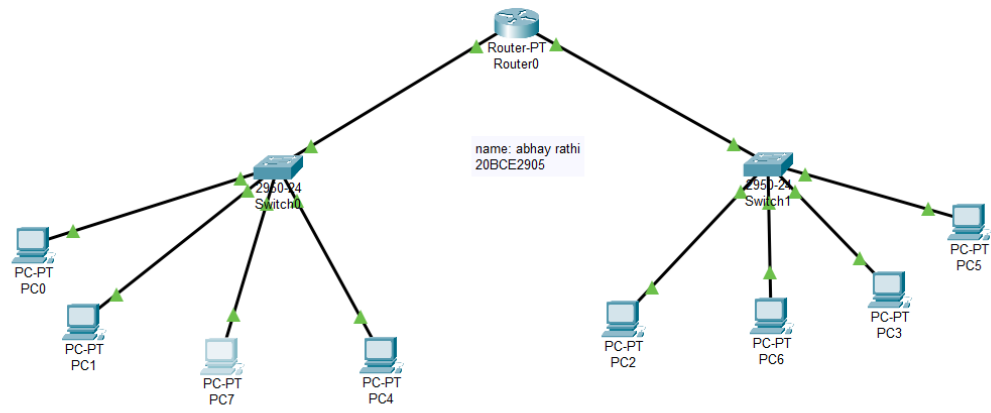
Sending data packet from pc0 to pc1:

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

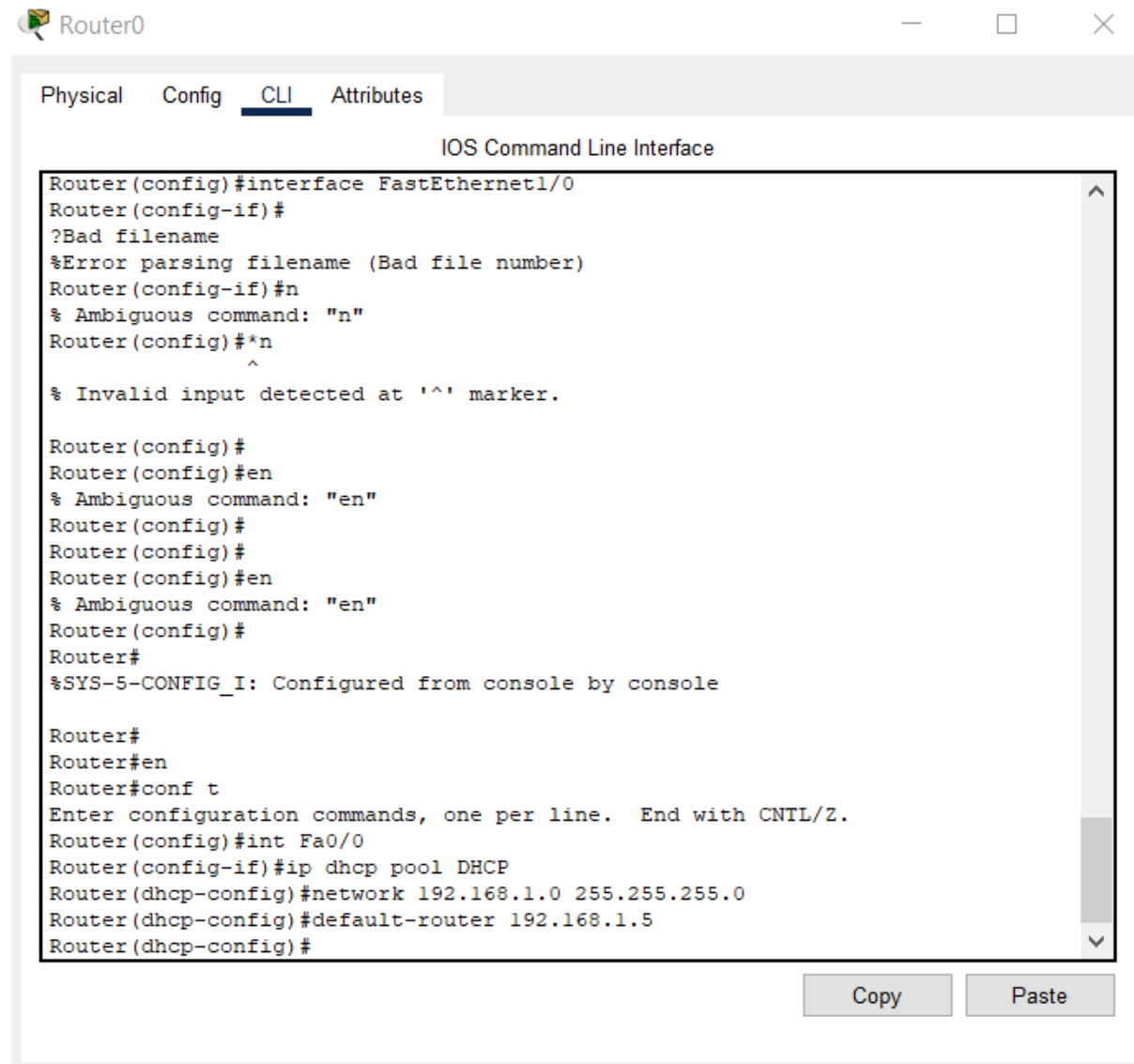
Sending data packet from pc1 to pc2: (to other network)

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC1	PC2	ICMP		0.000	N	0	(edit)	(delete)

Dynamic routing:



Command to setup id address in router 0



The screenshot shows a window titled "Router0" with a tabbed interface. The "CLI" tab is selected, displaying the "IOS Command Line Interface". The terminal text is as follows:

```
Router(config)#interface FastEthernet1/0
Router(config-if)#
?Bad filename
%Error parsing filename (Bad file number)
Router(config-if)#n
% Ambiguous command: "n"
Router(config)#*n
^
% Invalid input detected at '^' marker.

Router(config)#
Router(config)#en
% Ambiguous command: "en"
Router(config)#
Router(config)#
Router(config)#en
% Ambiguous command: "en"
Router(config)#
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#
Router#en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int Fa0/0
Router(config-if)#ip dhcp pool DHCP
Router(dhcp-config)#network 192.168.1.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.1.5
Router(dhcp-config)#
```

At the bottom right of the CLI window, there are "Copy" and "Paste" buttons.

After this there will be change in ip of pc1 which is under switch 0;

IP Configuration
X

Interface
FastEthernet0

IP Configuration

☒ DHCP
☐ Static
DHCP request successful.

IPv4 Address
192.168.1.1

Subnet Mask
255.255.255.0

Default Gateway
192.168.1.5

DNS Server
0.0.0.0

IPv6 Configuration

☐ Automatic
☒ Static

IPv6 Address
/

Link Local Address
FE80::2E0:F9FF:FEE8:3B67

Default Gateway

DNS Server

802.1X

Now for switch1;

```

Router(config)#
Router(config)#en
% Ambiguous command: "en"
Router(config)#enable
% Incomplete command.
Router(config)#en
% Ambiguous command: "en"
Router(config)#en conf t
% Ambiguous command: "en conf t"
Router(config)#en
% Ambiguous command: "en"
Router(config)#en
% Ambiguous command: "en"
Router(config)#en
% Ambiguous command: "en"
Router(config)#int Fa1/0
^
% Invalid input detected at '^' marker.

Router(config)#int Fa1/0
Router(config-if)#ip dhcp pool DHCP
Router(dhcp-config)#network 192.168.2.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.2.5
^
% Invalid input detected at '^' marker.

Router(dhcp-config)#default-router 192.168.2.5
Router(dhcp-config)#

```

Copy

Paste

After dynamic configuration;

Ip of pc2 in switch 2

IP Configuration

X

InterfaceFastEthernet0

IP Configuration

☒ DHCP

☐ Static

DHCP request successful.

IPv4 Address

192.168.2.1

Subnet Mask

255.255.255.0

Default Gateway

192.168.2.5

DNS Server

0.0.0.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

/

Link Local Address

FE80::201:C9FF:FED4:4A3E

Default Gateway

DNS Server

802.1X



☐ Use 802.1X Security

Authentication



MD5

Username

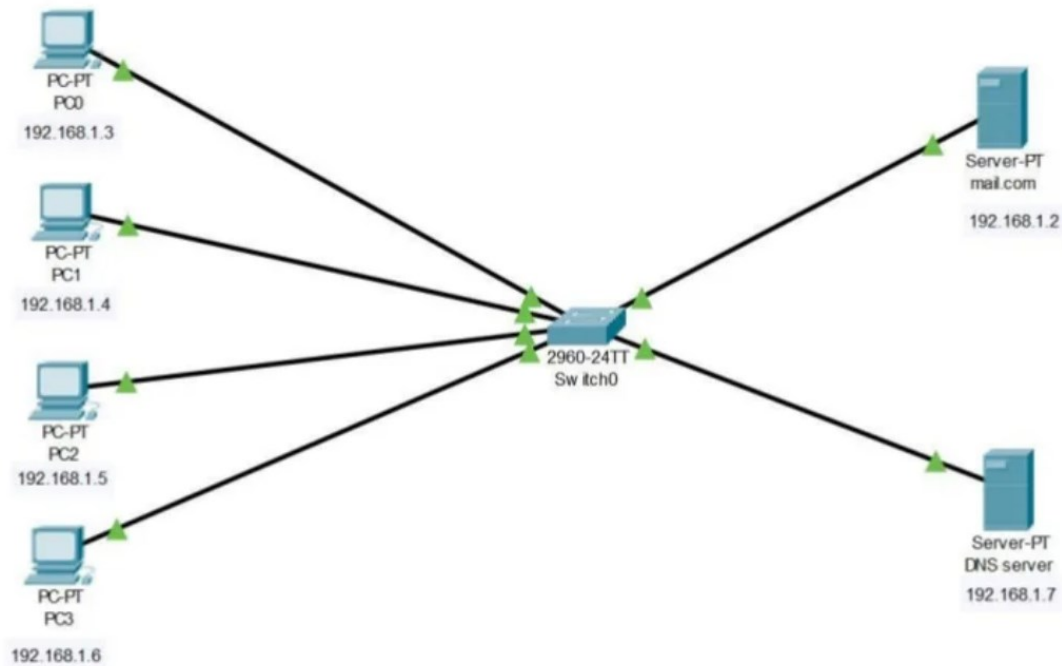
Sending data packet from pc0 to pc1:

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

Sending data packet from pc1 to pc2: (to other network)

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC1	PC2	ICMP		0.000	N	0	(edit)	(delete)

EMAIL CONFIGURATION;



Mail Server:

IP Address: 192.168.1.2

Subnet mask: 255.255.255.0

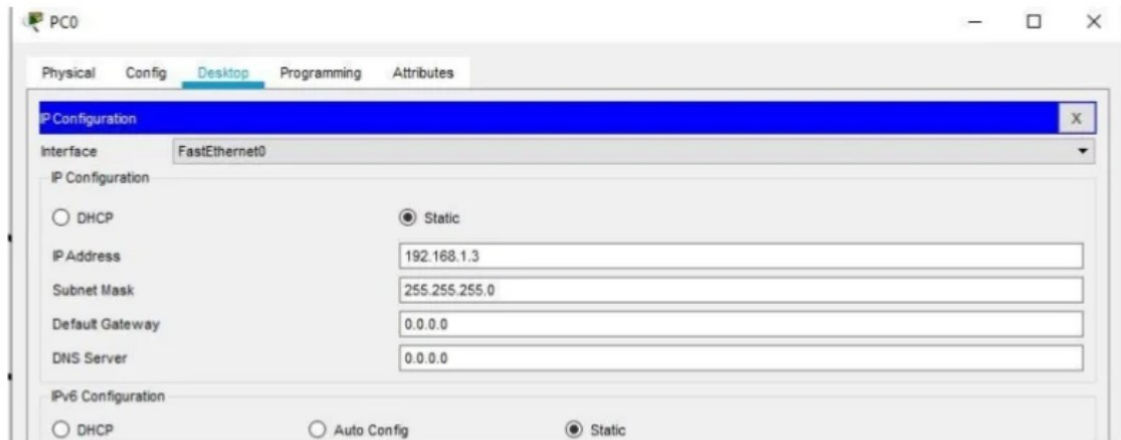
The screenshot shows the "mail.com" configuration window with the "Desktop" tab selected. The "IP Configuration" section is expanded, showing the following settings:

- IP Configuration:**
 - ☐ DHCP
 - ☒ Static
 - IP Address: 192.168.1.2
 - Subnet Mask: 255.255.255.0
 - Default Gateway: 0.0.0.0
 - DNS Server: 0.0.0.0
- IPv6 Configuration:**
 - ☐ DHCP
 - ☐ Auto Config
 - ☒ Static
 - IPv6 Address: [empty]
 - Link Local Address: FE80::260:2FFF:FE09:4231
 - IPv6 Gateway: [empty]
 - IPv6 DNS Server: [empty]
- 802.1X:**
 - ☐ Use 802.1X Security

PC0:

IP Address: 192.168.1.3

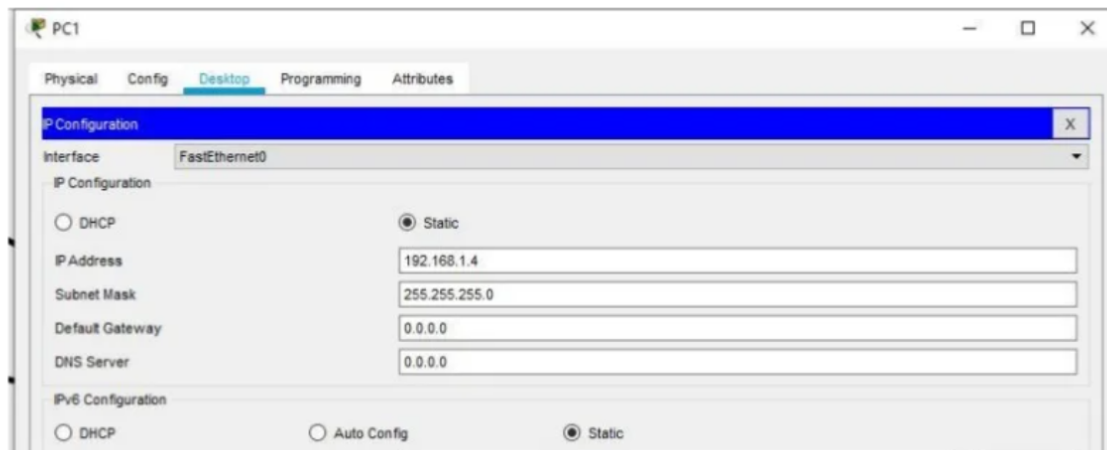
Subnet mask: 255.255.255.0



PC1:

IP Address: 192.168.1.4

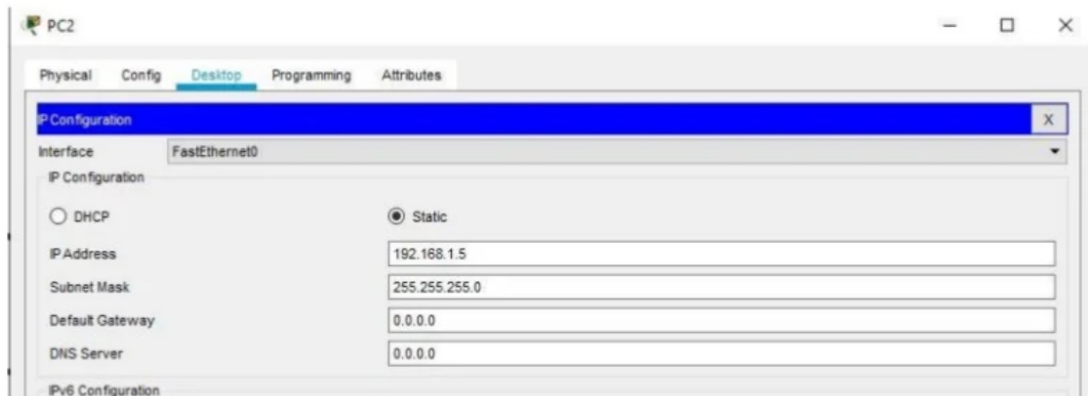
Subnet mask: 255.255.255.0



PC2:

IP Address: 192.168.1.5

Subnet mask: 255.255.255.0



PC3:

IP Address: 192.168.1.6

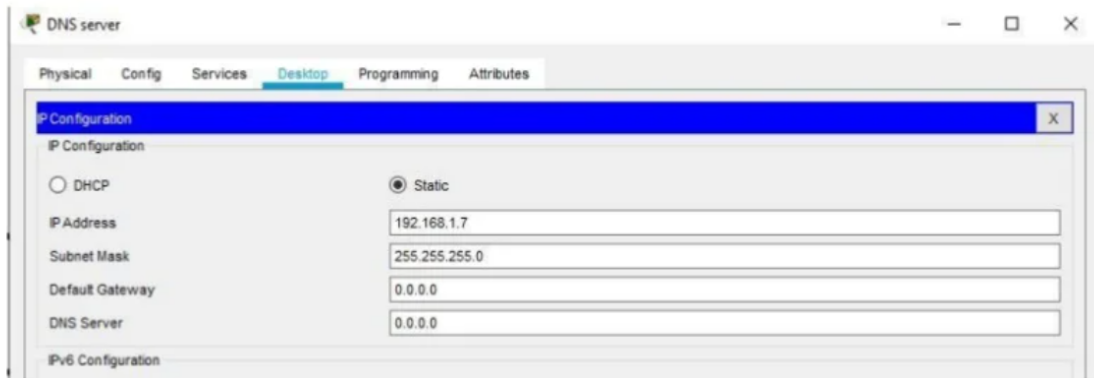
Subnet mask: 255.255.255.0



DNS server:

IP Address: 192.168.1.7

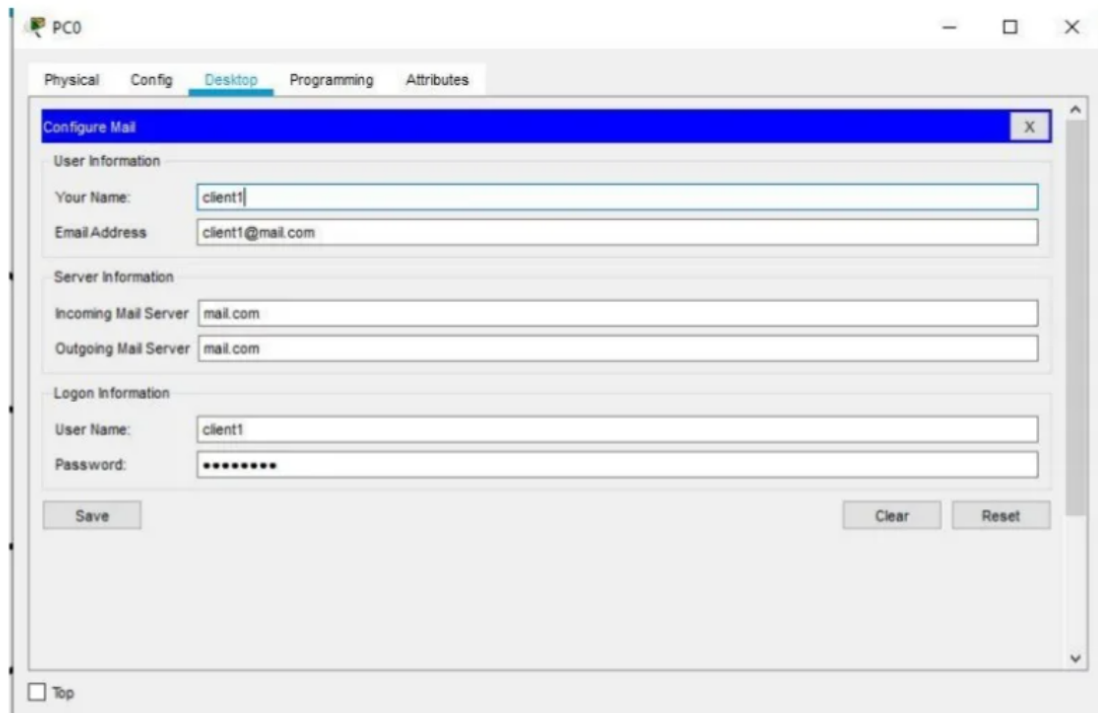
Subnet mask: 255.255.255.0



The screenshot shows the 'DNS server' configuration window with the 'Desktop' tab selected. The 'IP Configuration' section is highlighted. The 'Static' radio button is selected, and the following fields are filled:

Field	Value
IP Address	192.168.1.7
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

PC0:



The screenshot shows the 'PC0' configuration window with the 'Desktop' tab selected. The 'Configure Mail' section is highlighted. The following fields are filled:

Section	Field	Value
User Information	Your Name:	client1
	Email Address	client1@mail.com
Server Information	Incoming Mail Server	mail.com
	Outgoing Mail Server	mail.com
Logon Information	User Name:	client1
	Password:	*****

Buttons: Save, Clear, Reset

PC1

Physical Config **Desktop** Programming Attributes

Configure Mail X

User Information

Your Name: client2

Email Address: client2@mail.com

Server Information

Incoming Mail Server: mail.com

Outgoing Mail Server: mail.com

Logon Information

User Name: client2

Password:

Save Clear Reset

☐ Top

PC2

Physical Config **Desktop** Programming Attributes

Configure Mail X

User Information

Your Name: client3

Email Address: client3@mail.com

Server Information

Incoming Mail Server: mail.com

Outgoing Mail Server: mail.com

Logon Information

User Name: client3

Password:

Save Clear Reset

☐ Top

PC3

Physical Config **Desktop** Programming Attributes

Configure Mail X

User Information

Your Name: client4

Email Address: client4@mail.com

Server Information

Incoming Mail Server: mail.com

Outgoing Mail Server: mail.com

Logon Information

User Name: client4

Password:

Save Clear Reset

☐ Top

Setting up username and password

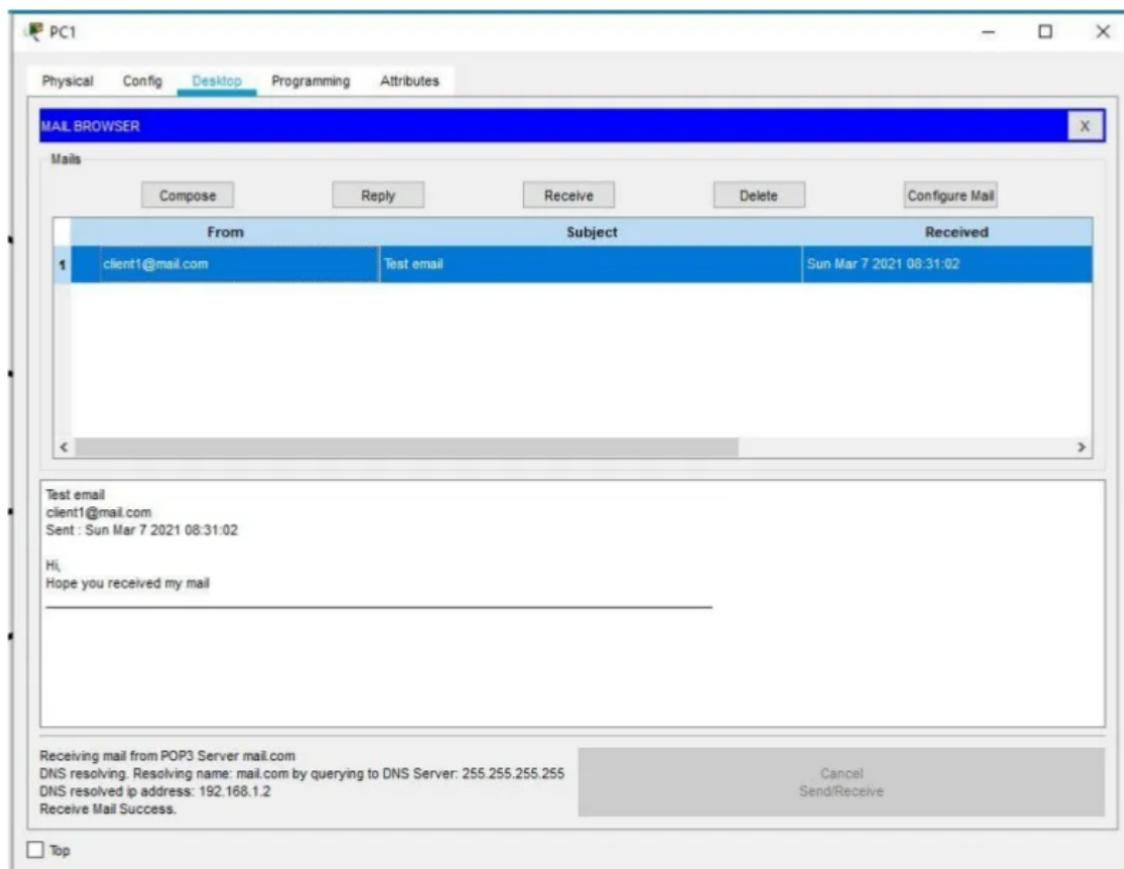
The screenshot shows the 'mail.com' configuration window with the 'Services' tab selected. On the left, a 'SERVICES' list includes HTTP, DHCP, DHCPv6, TFTP, DNS, SYSLOG, AAA, NTP, EMAIL (highlighted), FTP, IoT, VM Management, and Radius EAP. The main area is titled 'EMAIL' and contains two service toggle boxes: 'SMTP Service' and 'POP3 Service', both set to 'ON'. Below these is a 'Domain Name' field containing 'mail.com' and a 'Set' button. A 'User Setup' section includes a 'User' field, a 'Password' field, and a list of clients: client1, client2, client3, and client4. To the right of the client list are buttons for '+', '-', 'Change', and 'Password'. A 'Top' link is at the bottom left.

The screenshot shows the 'DNS server' configuration window with the 'Services' tab selected. On the left, a 'SERVICES' list includes HTTP, DHCP, DHCPv6, TFTP, DNS (highlighted), SYSLOG, AAA, NTP, EMAIL, FTP, IoT, VM Management, and Radius EAP. The main area is titled 'DNS' and contains a 'DNS Service' toggle set to 'On'. Below is a 'Resource Records' section with a 'Name' field containing 'mail.com', a 'Type' dropdown set to 'A Record', and an 'Address' field containing '192.168.1.2'. There are 'Add', 'Save', and 'Remove' buttons. A table below shows the configured record:

No.	Name	Type	Detail
0	mail.com	A Record	192.168.1.2

At the bottom, there is a 'DNS Cache' button and a 'Top' link.

Receive sucess



PACKET SWITCHING

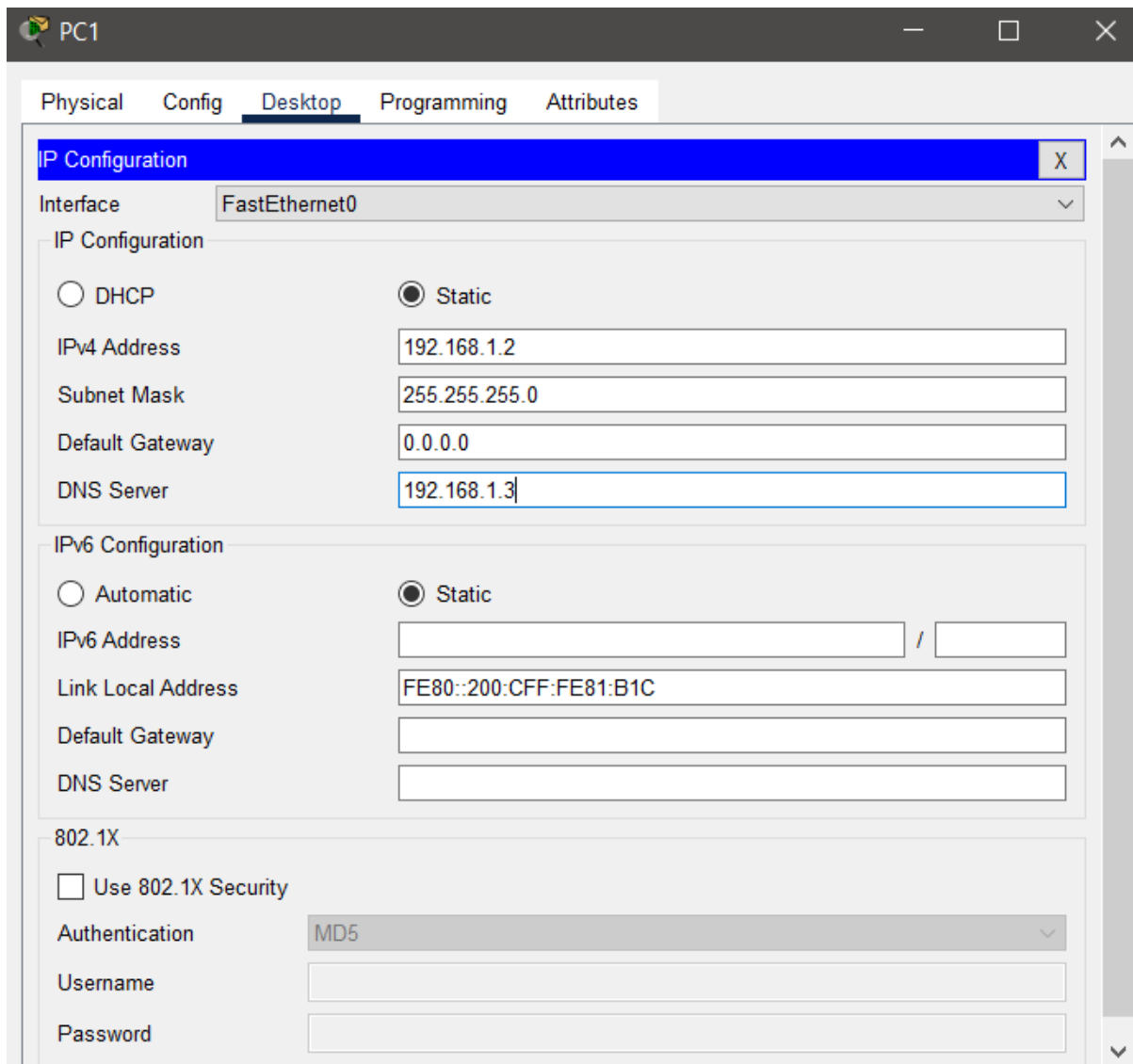
Diagram 1:

Pc0:

The screenshot shows the configuration window for PC0, specifically the 'Desktop' tab. The 'IP Configuration' section is active, showing settings for the 'FastEthernet0' interface. The 'Static' radio button is selected for IP Configuration. The IPv4 Address is set to 192.168.1.1, Subnet Mask to 255.255.255.0, Default Gateway to 0.0.0.0, and DNS Server to 192.168.1.3. The IPv6 Configuration section shows 'Static' selected, with a Link Local Address of FE80::290:21FF:FED6:B1BB. The 802.1X section shows 'Use 802.1X Security' unchecked, with Authentication set to MD5. The Username and Password fields are empty.

Section	Option	Value
IP Configuration	Interface	FastEthernet0
	DHCP	<input type="radio"/>
	Static	<input checked="" type="radio"/>
	IPv4 Address	192.168.1.1
	Subnet Mask	255.255.255.0
IPv6 Configuration	Automatic	<input type="radio"/>
	Static	<input checked="" type="radio"/>
	IPv6 Address	
	Link Local Address	FE80::290:21FF:FED6:B1BB
	Default Gateway	
802.1X	Use 802.1X Security	<input type="checkbox"/>
	Authentication	MD5
	Username	
	Password	

Pc1:



The image shows a configuration window for a PC named "PC1". The window has a title bar with a close button and a maximize button. Below the title bar, there are four tabs: "Physical", "Config", "Desktop", and "Attributes". The "Desktop" tab is currently selected. Inside the "Desktop" tab, there is a section titled "IP Configuration" with a close button (X) in the top right corner. Below this section, there is a dropdown menu for "Interface" set to "FastEthernet0". Underneath, there are two radio buttons for "IP Configuration": "DHCP" (unselected) and "Static" (selected). Below these are four text input fields: "IPv4 Address" (192.168.1.2), "Subnet Mask" (255.255.255.0), "Default Gateway" (0.0.0.0), and "DNS Server" (192.168.1.3). Below these fields is another section titled "IPv6 Configuration". It has two radio buttons: "Automatic" (unselected) and "Static" (selected). Below these are four text input fields: "IPv6 Address" (empty), "Link Local Address" (FE80::200:CFF:FE81:B1C), "Default Gateway" (empty), and "DNS Server" (empty). At the bottom of the window, there is a section titled "802.1X". It has a checkbox for "Use 802.1X Security" which is unchecked. Below this are three text input fields: "Authentication" (MD5), "Username" (empty), and "Password" (empty).

PC1

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.2

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 192.168.1.3

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::200:CFF:FE81:B1C

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Pc2;

The image shows a software window titled "PC2" with a standard Windows-style title bar (minimize, maximize, close buttons). Inside the window, there are five tabs: "Physical", "Config", "Desktop", "Programming", and "Attributes". The "Desktop" tab is currently selected and highlighted. Below the tabs, there is a section titled "IP Configuration" with a blue header bar and a close button (X). Under this section, the "Interface" is set to "FastEthernet0". The "IP Configuration" sub-section has two radio buttons: "DHCP" (unselected) and "Static" (selected). Below these are five text input fields: "IPv4 Address" (10.0.0.1), "Subnet Mask" (255.0.0.0), "Default Gateway" (0.0.0.0), and "DNS Server" (10.0.0.3). The "IPv6 Configuration" sub-section also has two radio buttons: "Automatic" (unselected) and "Static" (selected). Below these are four text input fields: "IPv6 Address" (empty), "Link Local Address" (FE80::210:11FF:FEBD:2E94), "Default Gateway" (empty), and "DNS Server" (empty). At the bottom, there is a section for "802.1X" with a checkbox "Use 802.1X Security" (unchecked) and an "Authentication" dropdown menu currently showing "MD5".

PC2

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 10.0.0.1

Subnet Mask 255.0.0.0

Default Gateway 0.0.0.0

DNS Server 10.0.0.3

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::210:11FF:FEBD:2E94

Default Gateway

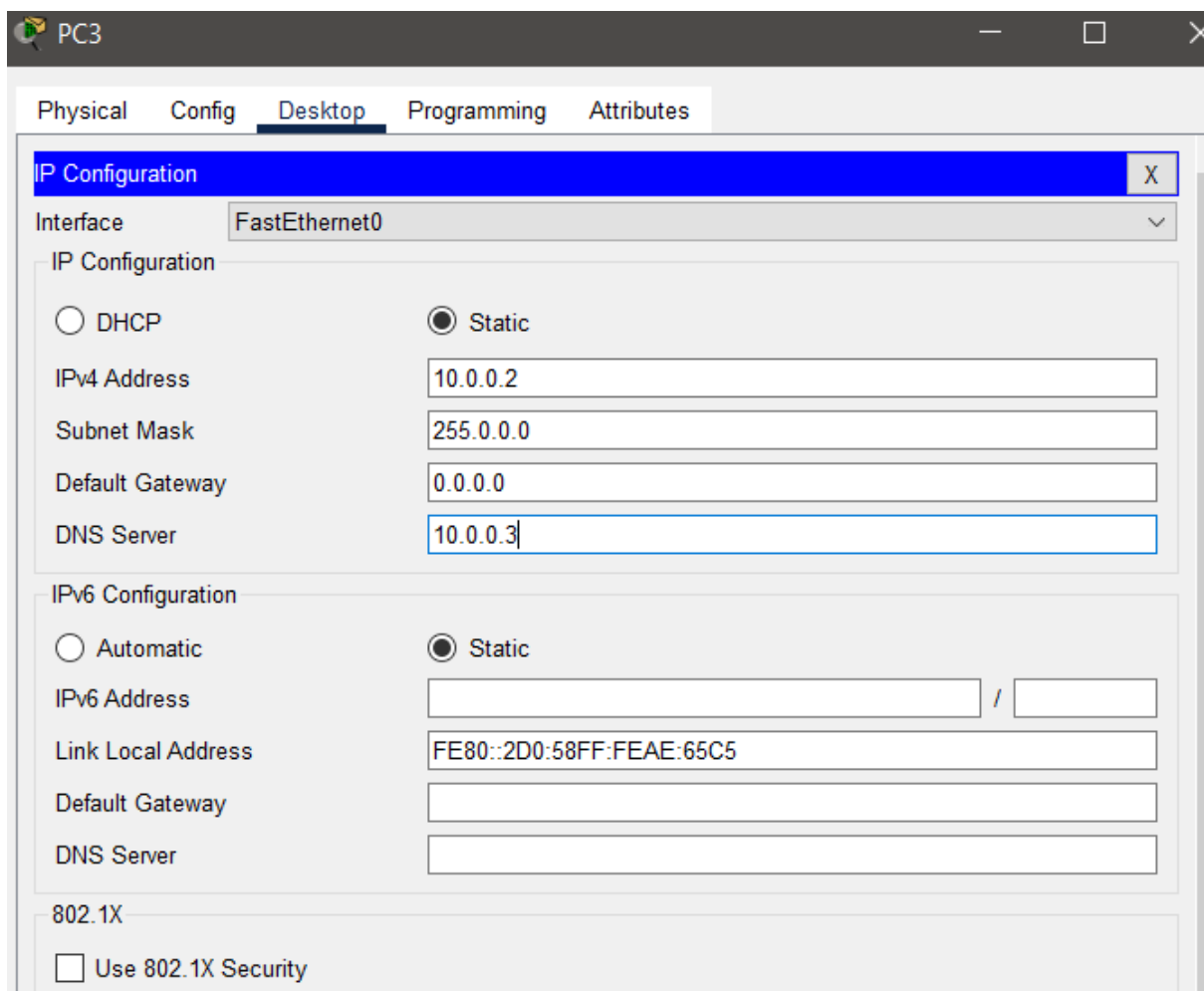
DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Pc3;



The screenshot shows a window titled "PC3" with a dark title bar. Below the title bar are four tabs: "Physical", "Config", "Desktop", and "Programming". The "Desktop" tab is selected and highlighted. Inside the "Desktop" tab, there is a sub-tab labeled "IP Configuration" with a close button "X" on the right. Below this sub-tab, there is a dropdown menu for "Interface" set to "FastEthernet0". The main configuration area is divided into two sections: "IP Configuration" and "IPv6 Configuration". In the "IP Configuration" section, the "Static" radio button is selected. The fields are: "IPv4 Address" (10.0.0.2), "Subnet Mask" (255.0.0.0), "Default Gateway" (0.0.0.0), and "DNS Server" (10.0.0.3). In the "IPv6 Configuration" section, the "Static" radio button is also selected. The fields are: "IPv6 Address" (empty), "Link Local Address" (FE80::2D0:58FF:FEAE:65C5), "Default Gateway" (empty), and "DNS Server" (empty). At the bottom, there is a section for "802.1X" with a checkbox "Use 802.1X Security" which is unchecked.

PC3

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 10.0.0.2

Subnet Mask 255.0.0.0

Default Gateway 0.0.0.0

DNS Server 10.0.0.3

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::2D0:58FF:FEAE:65C5

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

In the router;

For fast ethernet 0/0

The screenshot shows the configuration page for FastEthernet0/0 on Router0. The left sidebar has a tree view with 'FastEthernet0/0' selected under the 'INTERFACE' section. The main area displays configuration options for this interface. The 'Port Status' is set to 'On'. 'Bandwidth' is set to '100 Mbps'. 'Duplex' is set to 'Half Duplex'. 'MAC Address' is '0001.6322.7105'. Under 'IP Configuration', the 'IPv4 Address' is '192.168.1.3' and the 'Subnet Mask' is '255.255.255.0'. The 'Tx Ring Limit' is set to '10'.

FastEthernet0/0	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps
Duplex	<input checked="" type="radio"/> Half Duplex <input type="radio"/> Full Duplex
MAC Address	0001.6322.7105
IP Configuration	
IPv4 Address	192.168.1.3
Subnet Mask	255.255.255.0
Tx Ring Limit	10

For fastethernet 0/1

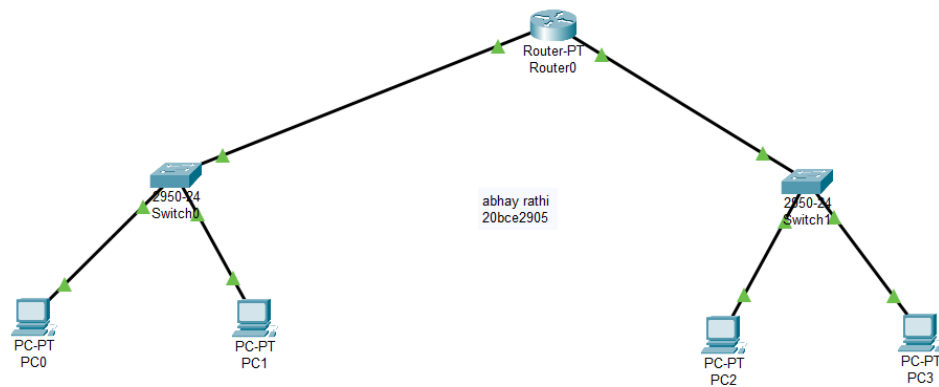
The screenshot shows the configuration page for FastEthernet1/0 on Router0. The left sidebar has a tree view with 'FastEthernet1/0' selected under the 'INTERFACE' section. The main area displays configuration options for this interface. The 'Port Status' is set to 'On'. 'Bandwidth' is set to '100 Mbps'. 'Duplex' is set to 'Half Duplex'. 'MAC Address' is '0001.9626.58B9'. Under 'IP Configuration', the 'IPv4 Address' is '10.0.0.3' and the 'Subnet Mask' is '255.0.0.0'. The 'Tx Ring Limit' is set to '10'.

FastEthernet1/0	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps
Duplex	<input checked="" type="radio"/> Half Duplex <input type="radio"/> Full Duplex
MAC Address	0001.9626.58B9
IP Configuration	
IPv4 Address	10.0.0.3
Subnet Mask	255.0.0.0
Tx Ring Limit	10

Equivalent IOS Commands

```
Router0 (config-if) #
```

The we turn on both the router ports



Now sending data packets

Pc0 to pc1:

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	PC1	ICMP		0.000	N	0	(edit)	(

Pc0 to pc2:

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	PC2	ICMP		0.000	N	0	(edit)	(delete)

Design 2

for pc0:

The screenshot shows a window titled "PC0" with a dark header bar containing standard window controls. Below the header is a tabbed interface with four tabs: "Physical", "Config", "Desktop" (which is selected and highlighted), "Programming", and "Attributes".

The "Desktop" tab displays the "IP Configuration" section, which is highlighted with a blue header bar and a close button (X). Below this header, the "Interface" is set to "FastEthernet0".

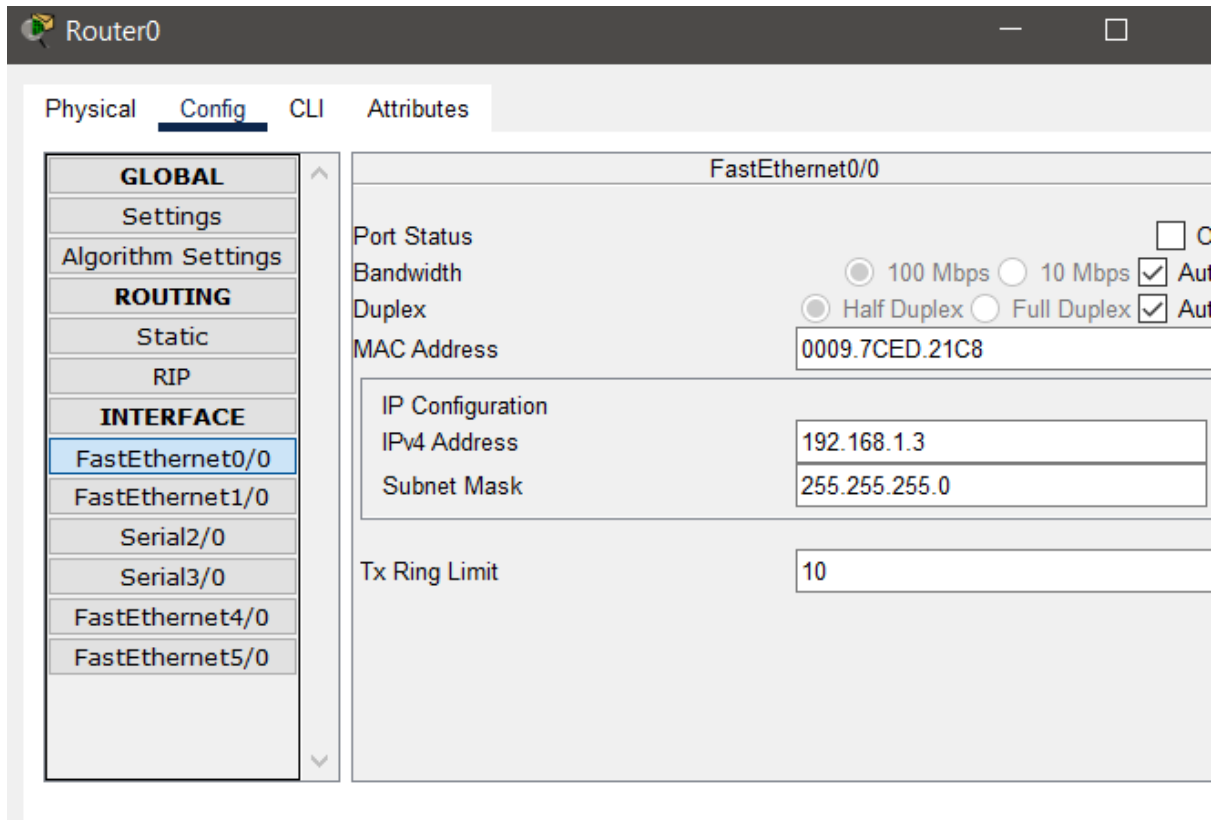
The "IP Configuration" section contains two main areas:

- IP Configuration:** This section has two radio buttons: "DHCP" (unselected) and "Static" (selected). Below the radio buttons are five text input fields:
 - IPv4 Address: 192.168.1.1
 - Subnet Mask: 255.255.255.0
 - Default Gateway: 192.168.1.3
 - DNS Server: 192.168.1.3
- IPv6 Configuration:** This section also has two radio buttons: "Automatic" (unselected) and "Static" (selected). Below the radio buttons are five text input fields:
 - IPv6 Address: (empty) / (empty)
 - Link Local Address: FE80::210:11FF:FE95:724
 - Default Gateway: (empty)
 - DNS Server: (empty)

Below the IP configuration sections is the "802.1X" section, which includes a checkbox for "Use 802.1X Security" (unchecked). Below this checkbox are three text input fields for "Authentication" (set to "MD5"), "Username", and "Password".

For pc1;

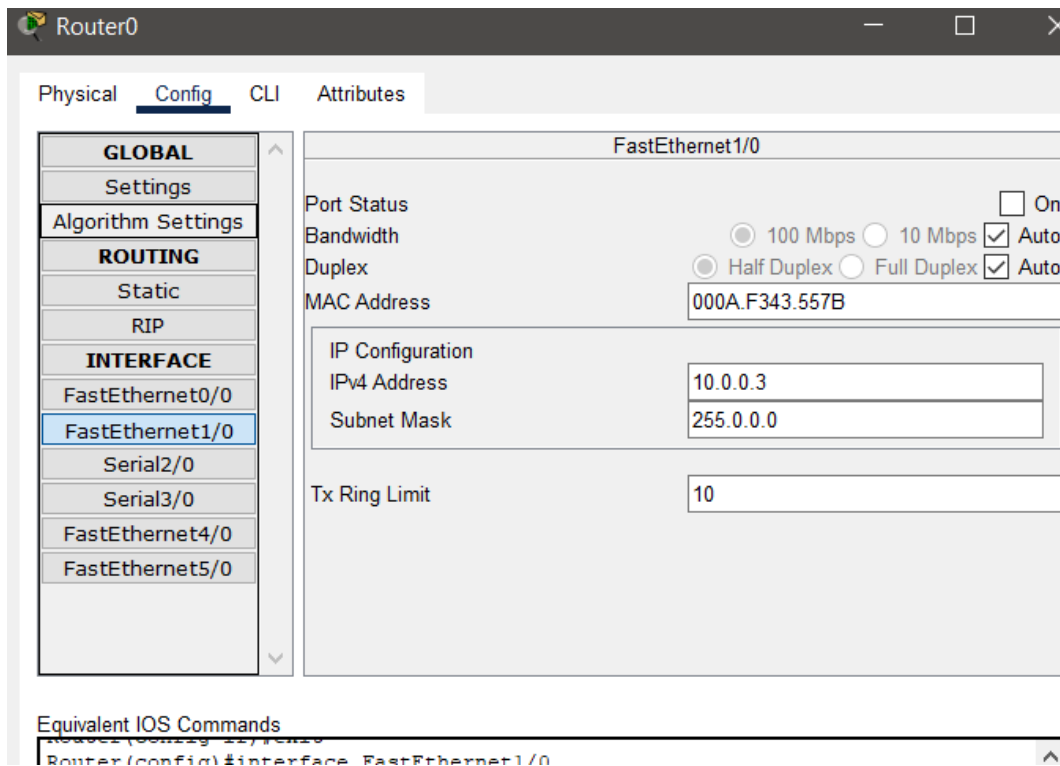
Fastethernet 0/0



The screenshot shows the configuration window for Router0, specifically for the FastEthernet0/0 interface. The left sidebar contains a tree view with categories: GLOBAL, Settings, Algorithm Settings, ROUTING, Static, RIP, and INTERFACE. Under the INTERFACE category, FastEthernet0/0 is selected. The main panel displays the configuration for FastEthernet0/0. It includes fields for Port Status (On), Bandwidth (100 Mbps), Duplex (Half Duplex), MAC Address (0009.7CED.21C8), IP Configuration (IPv4 Address: 192.168.1.3, Subnet Mask: 255.255.255.0), and Tx Ring Limit (10).

FastEthernet0/0	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input checked="" type="radio"/> Half Duplex <input type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	0009.7CED.21C8
IP Configuration	
IPv4 Address	192.168.1.3
Subnet Mask	255.255.255.0
Tx Ring Limit	10

Fastethernet 0/1



The screenshot shows the configuration window for Router0, specifically for the FastEthernet1/0 interface. The left sidebar contains a tree view with categories: GLOBAL, Settings, Algorithm Settings, ROUTING, Static, RIP, and INTERFACE. Under the INTERFACE category, FastEthernet1/0 is selected. The main panel displays the configuration for FastEthernet1/0. It includes fields for Port Status (On), Bandwidth (100 Mbps), Duplex (Half Duplex), MAC Address (000A.F343.557B), IP Configuration (IPv4 Address: 10.0.0.3, Subnet Mask: 255.0.0.0), and Tx Ring Limit (10).

FastEthernet1/0	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input checked="" type="radio"/> Half Duplex <input type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	000A.F343.557B
IP Configuration	
IPv4 Address	10.0.0.3
Subnet Mask	255.0.0.0
Tx Ring Limit	10

Equivalent IOS Commands

```
Router(config)#interface FastEthernet1/0
```

For router 1;

Physical	Config	CLI	Attributes
GLOBAL			
Settings			
Algorithm Settings			
ROUTING			
Static			
RIP			
INTERFACE			
FastEthernet0/0			
FastEthernet1/0			
Serial2/0			
Serial3/0			
FastEthernet4/0			
FastEthernet5/0			

FastEthernet0/0
Port Status ☐ On
Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto
Duplex ☒ Half Duplex ☐ Full Duplex ☒ Auto
MAC Address 00E0.F7C3.CE28
IP Configuration
IPv4 Address 192.168.1.3
Subnet Mask 255.255.255.0
Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config)#interface FastEthernet0/0  
Router(config-if)#ip address 10.0.0.3 255.0.0.0
```

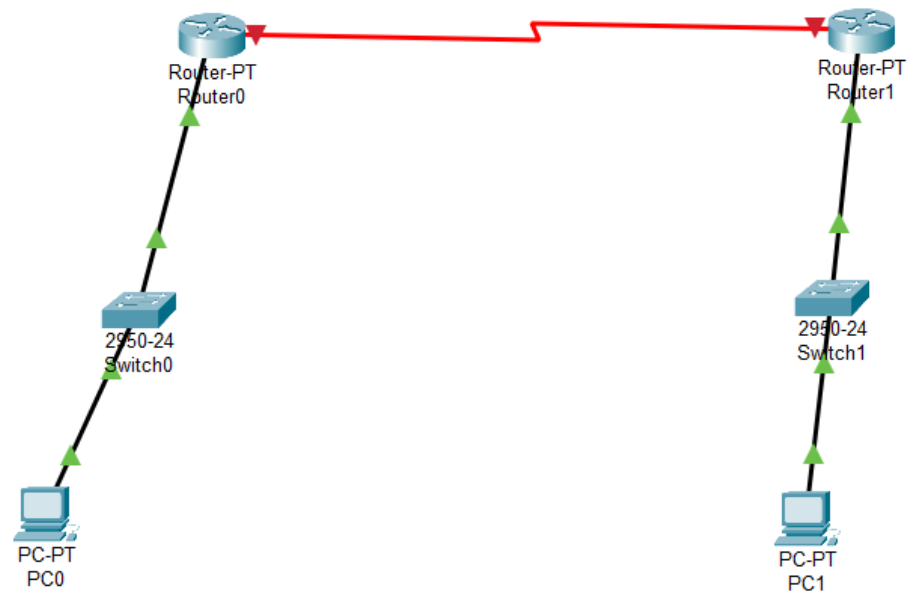
Physical	Config	CLI	Attributes
GLOBAL			
Settings			
Algorithm Settings			
ROUTING			
Static			
RIP			
INTERFACE			
FastEthernet0/0			
FastEthernet1/0			
Serial2/0			
Serial3/0			
FastEthernet4/0			
FastEthernet5/0			

FastEthernet1/0
Port Status ☐ On
Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto
Duplex ☒ Half Duplex ☐ Full Duplex ☒ Auto
MAC Address 0006.2A12.CD91
IP Configuration
IPv4 Address 10.0.0.3
Subnet Mask 255.0.0.0
Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config)#  
Router(config-if)#exit  
Router(config)#interface FastEthernet1/0  
Router(config-if)#  
Router(config-if)#exit
```

Now e will turn on both the routers and their switches



Now sending data packets:

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	PC1	ICMP		0.000	N	0	(edit)	

(