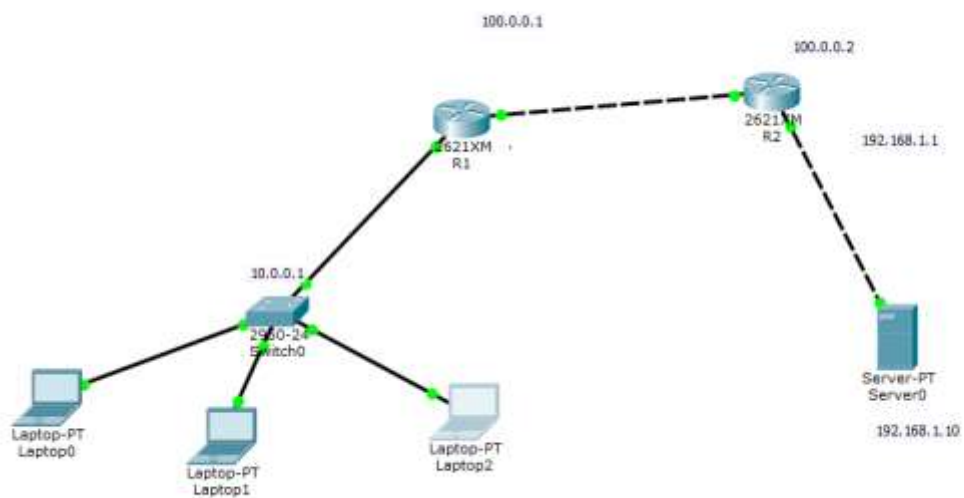


**ASJID TAHIR**

**19p-0085**

**Computer Networks Lab**

**Lab # 09**



R1

PhysicalConfigCLI

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet0/1

Global Settings

Display Name

R1

Hostname

R1

NVRAM

Erase

Save

Startup Config

Load...

Export...

Running Config

Merge...

Export...

Physical Config CLI

|                    |  |  |
|--------------------|--|--|
| <b>GLOBAL</b>      | <b>FastEthernet0/0</b>   |  |
| Settings           | Port Status <input checked="" type="checkbox"/>  |  |
| Algorithm Settings | Bandwidth <input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto     |  |
| <b>ROUTING</b>     | Duplex <input type="radio"/> Half Duplex <input checked="" type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto |  |
| Static             | MAC Address 00D0.FFEE.0D01   |  |
| RIP                | IP Configuration   |  |
| <b>INTERFACE</b>   | IP Address 10.0.0.1  |  |
| FastEthernet0/0    | Subnet Mask 255.0.0.0  |  |
| FastEthernet0/1    | Tx Ring Limit 10   |  |

#### Equivalent IOS Commands

Enter configuration commands, one per line. End with CTRL/Z.

```

R1(config)#interface FastEthernet0/0
R1(config-if)#
R1(config-if)#exit
R1(config)#interface FastEthernet0/1
R1(config-if)#
R1(config-if)#exit
R1(config)#interface FastEthernet0/0
R1(config-if)#
  
```

|                    |  |  |
|--------------------|--|--|
| <b>GLOBAL</b>      | <b>FastEthernet0/1</b>   |  |
| Settings           | Port Status <input checked="" type="checkbox"/> On   |  |
| Algorithm Settings | Bandwidth <input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto     |  |
| <b>ROUTING</b>     | Duplex <input type="radio"/> Half Duplex <input checked="" type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto |  |
| Static             | MAC Address 00D0.FFEE.0D02   |  |
| RIP                | IP Configuration   |  |
| <b>INTERFACE</b>   | IP Address 100.0.0.1   |  |
| FastEthernet0/0    | Subnet Mask 255.0.0.0  |  |
| FastEthernet0/1    | Tx Ring Limit 10   |  |

R2

Physical Config CLI

**GLOBAL**  
 Settings  
 Algorithm Settings  
**ROUTING**  
 Static  
 RIP  
**INTERFACE**  
 FastEthernet0/0  
 FastEthernet0/1

### Global Settings

Display Name

Hostname

NVRAM

Startup Config

Running Config

R2

Physical Config CLI

**GLOBAL**  
 Settings  
 Algorithm Settings  
**ROUTING**  
 Static  
 RIP  
**INTERFACE**  
 FastEthernet0/0  
 FastEthernet0/1

### FastEthernet0/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address

IP Configuration

IP Address

Subnet Mask

Tx Ring Limit

Equivalent IOS Commands

```
R2(config)#interface FastEthernet0/1
R2(config-if)#
```

R2

PhysicalConfigCLI

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/1

Port Status

☒ On

Bandwidth

☒ 100 Mbps☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex☒ Full Duplex

☒ Auto

MAC Address

0006.2AA1.CB02

IP Configuration

IP Address

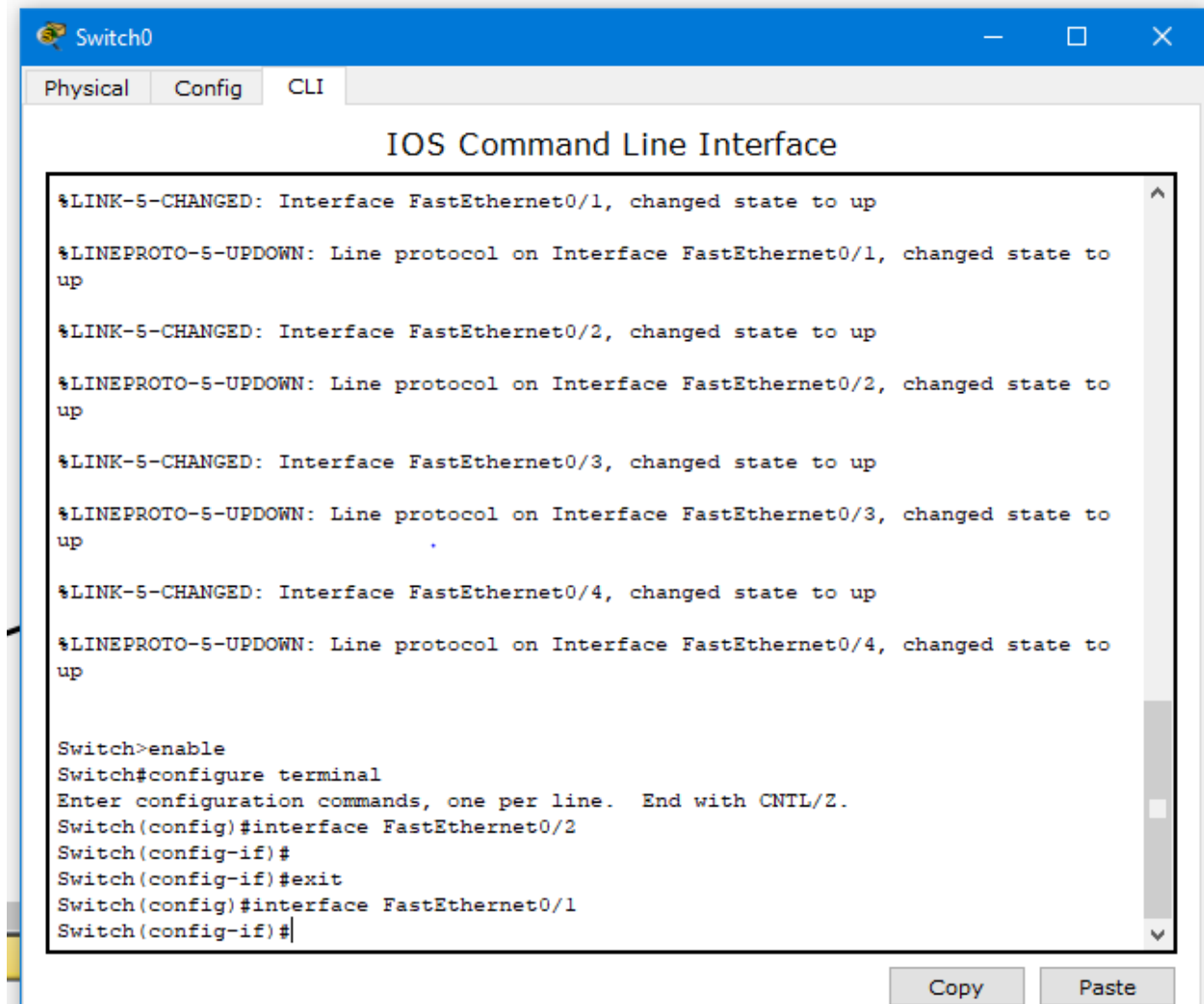
192.168.1.1

Subnet Mask

255.255.255.0

Tx Ring Limit

10



Server0

Physical

Config

Services

Desktop

Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display Name

Server0

Interfaces

FastEthernet0

Gateway/DNS

DHCP

Static

Gateway

192.168.1.1

DNS Server

Gateway/DNS IPv6

DHCP

Auto Config

Static

IPv6 Gateway

IPv6 DNS Server

Server0

Physical

Config

Services

Desktop

Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status

☒ On

Bandwidth

☒ 100 Mbps

☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex

☒ Full Duplex

☒ Auto

MAC Address

0060.3EBB.8922

IP Configuration

☐ DHCP

☒ Static

IP Address

192.168.1.10

Subnet Mask

255.255.255.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address: FE80::260:3EFF:FE8B:8922



