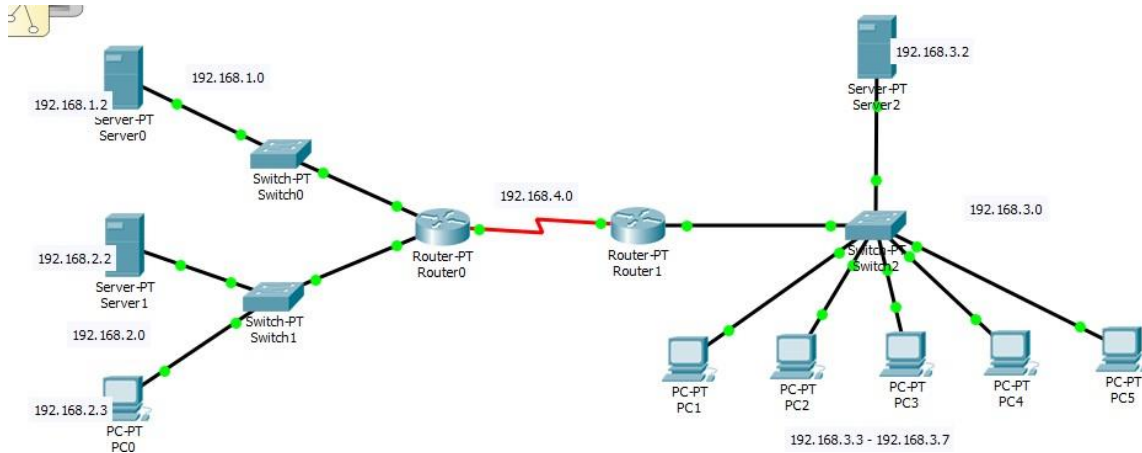


Nama : M. Khoiruddin  
Kelas : C  
NIM : L200170104

## QUIZ

### 1. Desain jaringan



### 2. Konfigurasi Server 0

#### a. IP configuration

Server0

Physical Config Services Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address: 192.168.1.2

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.1.1

DNS Server: 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

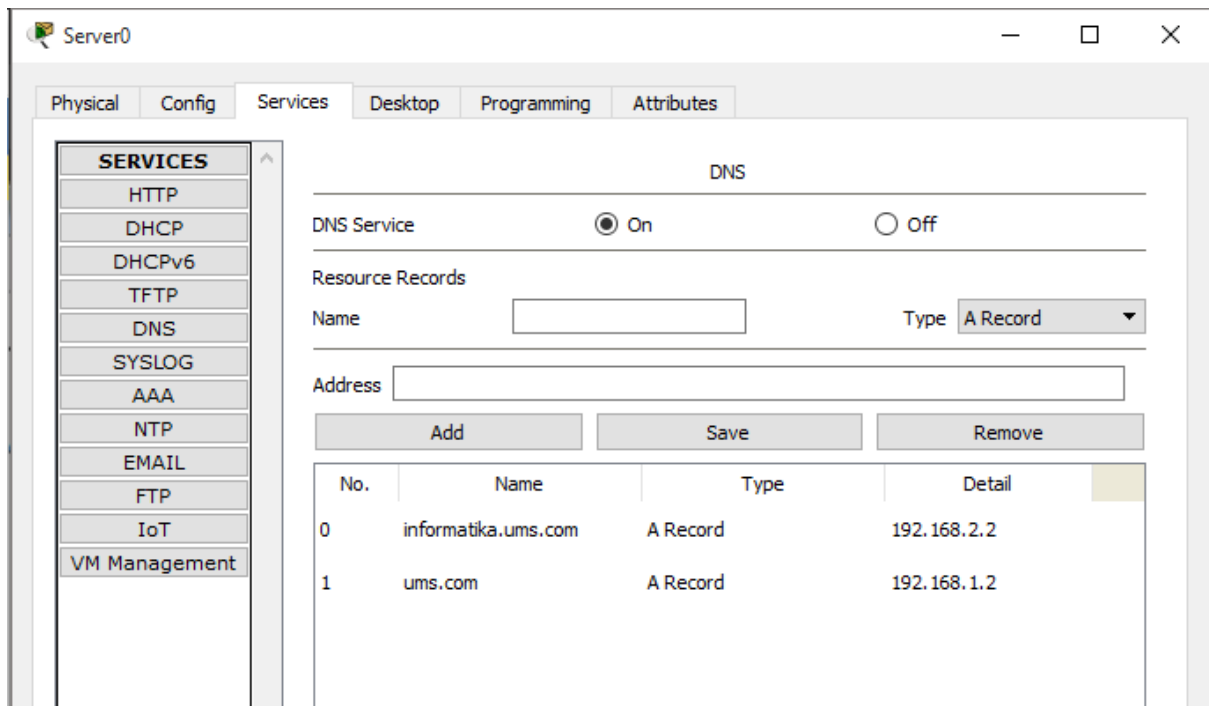
Link Local Address: FE80::2D0:58FF:FE88:6AE5

IPv6 Gateway:

IPv6 DNS Server:

☐ Top

## b. konfigurasi DNS Server

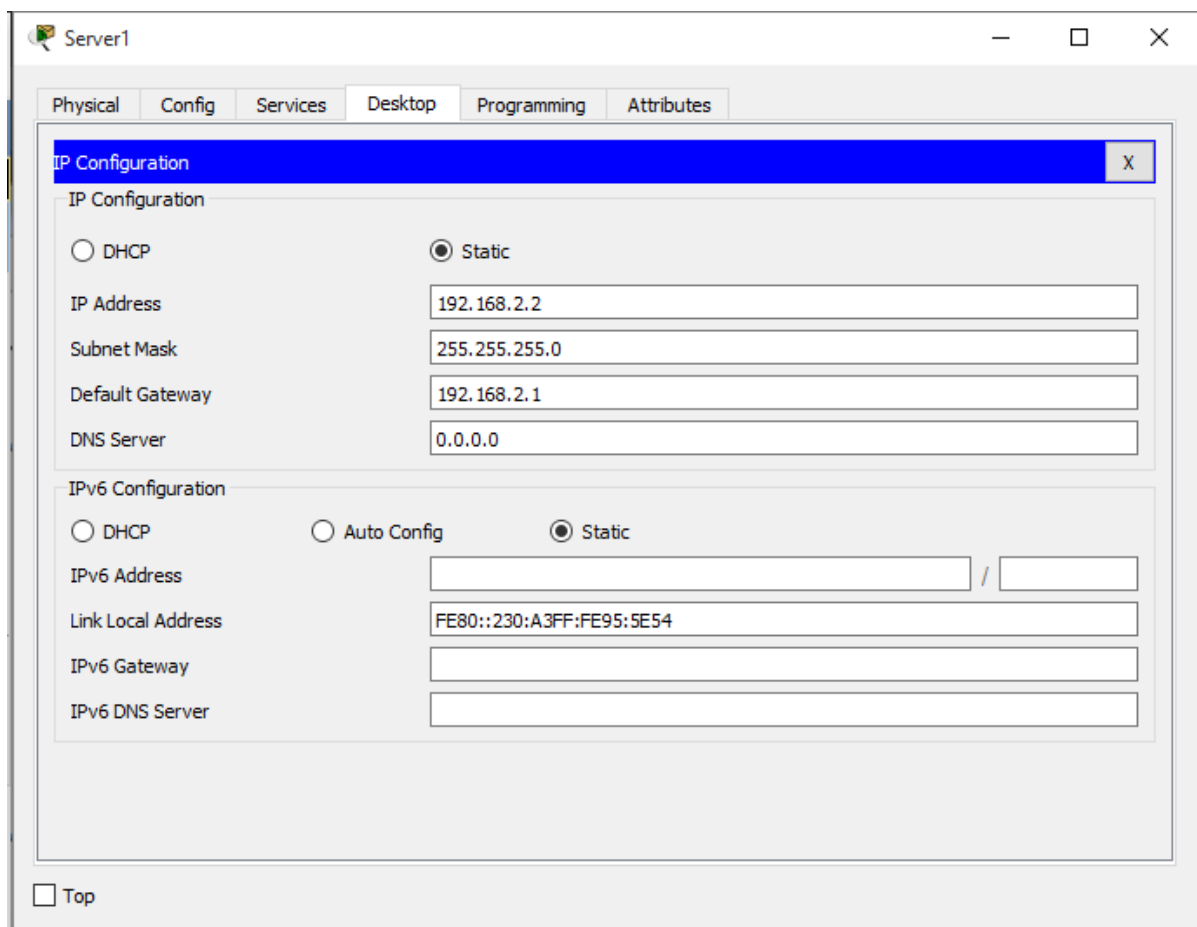


The screenshot shows the 'Server0' configuration window with the 'Services' tab selected. The 'DNS' service is configured as follows:

- DNS Service:** ☒ On ☐ Off
- Resource Records:**
  - Name:**
  - Type:** A Record
  - Address:**
- Buttons:** Add, Save, Remove
- Table:**

No.	Name	Type	Detail
0	informatika.ums.com	A Record	192.168.2.2
1	ums.com	A Record	192.168.1.2

## 3. Konfigurasi Server 1

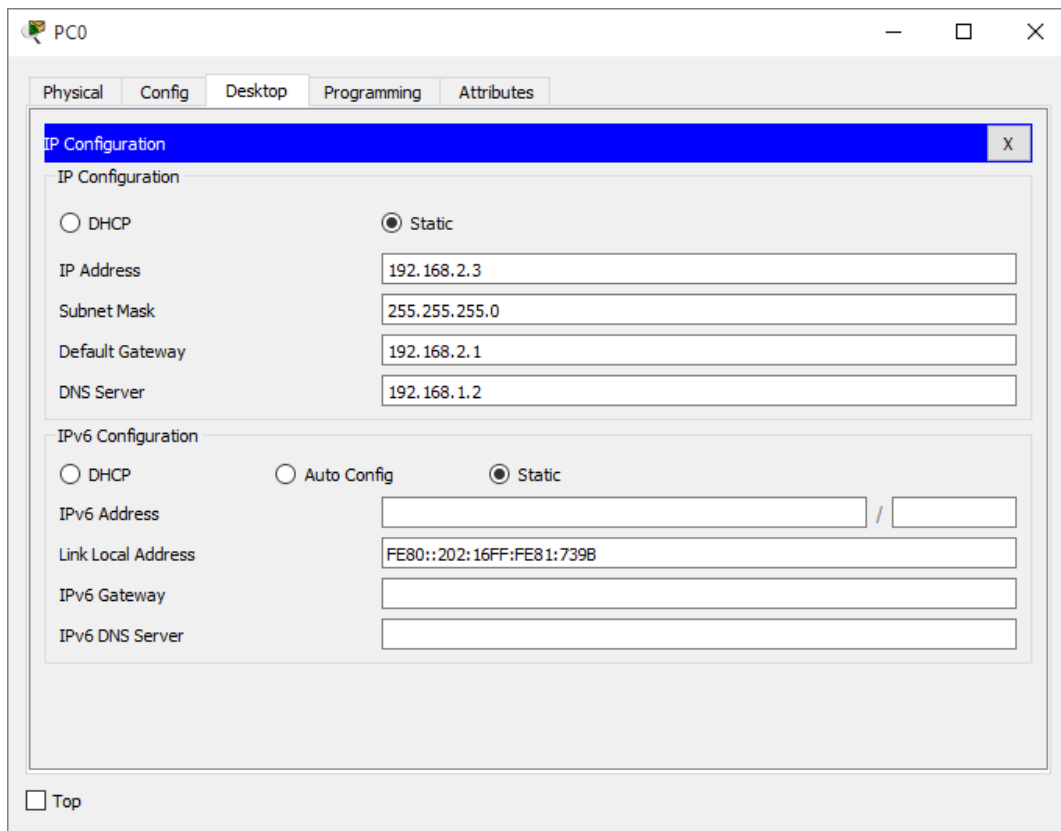


The screenshot shows the 'Server1' configuration window with the 'IP Configuration' dialog box open. The dialog box has the following settings:

- IP Configuration:**
  - ☐ DHCP ☒ Static
  - IP Address:** 192.168.2.2
  - Subnet Mask:** 255.255.255.0
  - Default Gateway:** 192.168.2.1
  - DNS Server:** 0.0.0.0
- IPv6 Configuration:**
  - ☐ DHCP ☐ Auto Config ☒ Static
  - IPv6 Address:**  /
  - Link Local Address:** FE80::230:A3FF:FE95:5E54
  - IPv6 Gateway:**
  - IPv6 DNS Server:**

☐ Top

#### 4. Konfigurasi PC 0

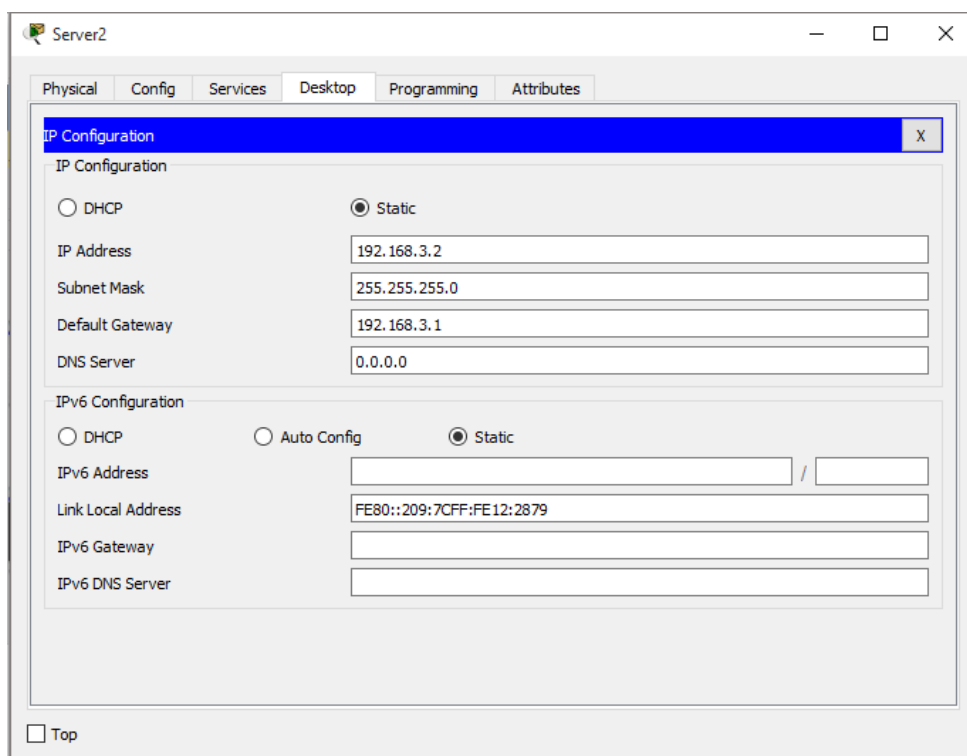


The screenshot shows the configuration window for PC0. The 'Config' tab is selected, and the 'IP Configuration' sub-tab is active. The 'IP Configuration' section has 'Static' selected. The 'IPv6 Configuration' section has 'Static' selected. The fields are filled with the following values:

Field	Value
IP Address	192.168.2.3
Subnet Mask	255.255.255.0
Default Gateway	192.168.2.1
DNS Server	192.168.1.2
IPv6 Address	
Link Local Address	FE80::202:16FF:FE81:739B
IPv6 Gateway	
IPv6 DNS Server	

#### 5. Konfigurasi Server 2

##### a. konfigurasi ip



The screenshot shows the configuration window for Server2. The 'Config' tab is selected, and the 'IP Configuration' sub-tab is active. The 'IP Configuration' section has 'Static' selected. The 'IPv6 Configuration' section has 'Static' selected. The fields are filled with the following values:

Field	Value
IP Address	192.168.3.2
Subnet Mask	255.255.255.0
Default Gateway	192.168.3.1
DNS Server	0.0.0.0
IPv6 Address	
Link Local Address	FE80::209:7CFF:FE12:2879
IPv6 Gateway	
IPv6 DNS Server	

## b. Konfigurasi DHCP

The screenshot shows the DHCP configuration window for 'Server2'. The 'Services' tab is active, and the 'DHCP' service is selected. The interface includes a sidebar with various services, a main configuration area with fields for interface, pool name, gateway, DNS server, and IP address ranges, and a table at the bottom listing the configured DHCP pools.

**SERVICES**

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management

**DHCP Configuration:**

- Interface: FastEthernet0
- Service: ☒ On ☐ Off
- Pool Name: serverPool
- Default Gateway: 192.168.3.1
- DNS Server: 192.168.1.2
- Start IP Address: 192.168.3.3
- Subnet Mask: 255.255.255.0
- Maximum Number of Users: 10
- TFTP Server: 0.0.0.0
- WLC Address: 0.0.0.0

**Table:**

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.168.3.1	192.168.1.2	192.168.3.3	255.255.255.0	10	0.0.0.0	0.0.0.0

## 6. Konfigurasi PC

### a. PC1

The screenshot shows the IP Configuration window for 'PC1'. The 'Desktop' tab is active, and the 'IP Configuration' window is open. The interface includes a sidebar with various tabs, a main configuration area with fields for IP address, subnet mask, default gateway, and DNS server, and a table at the bottom listing the configured IP addresses.

**IP Configuration**

**IP Configuration**

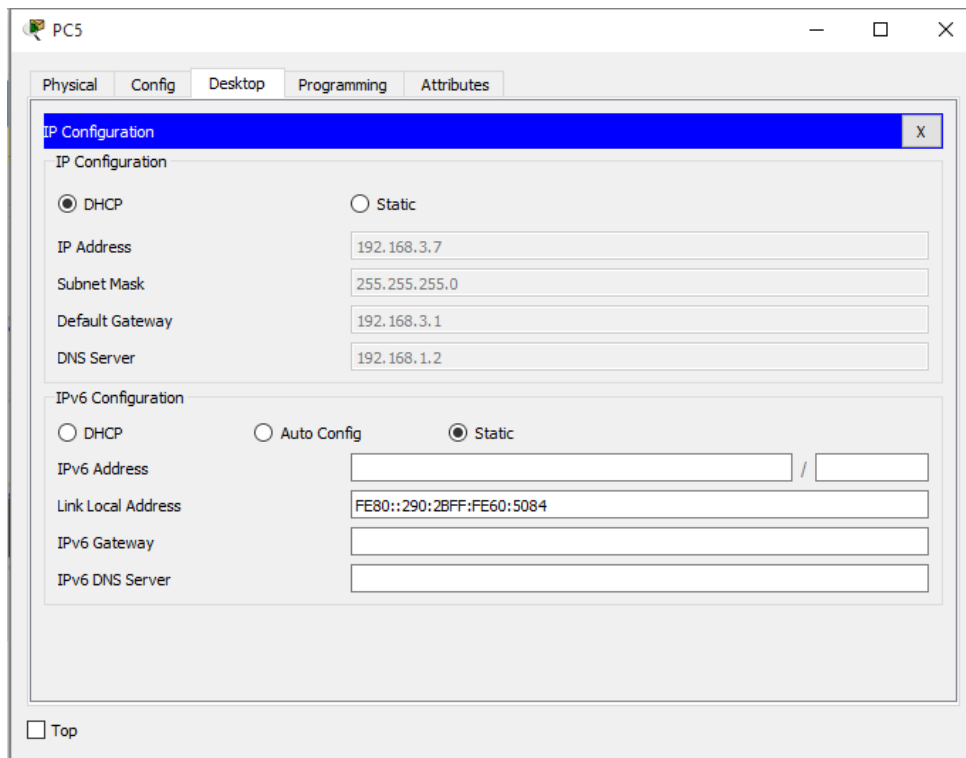
- ☒ DHCP ☐ Static
- IP Address: 192.168.3.3
- Subnet Mask: 255.255.255.0
- Default Gateway: 192.168.3.1
- DNS Server: 192.168.1.2

**IPv6 Configuration**

- ☐ DHCP ☐ Auto Config ☒ Static
- IPv6 Address: /
- Link Local Address: FE80::201:42FF:FED9:B175
- IPv6 Gateway:
- IPv6 DNS Server:

☐ Top

## b. PC 5



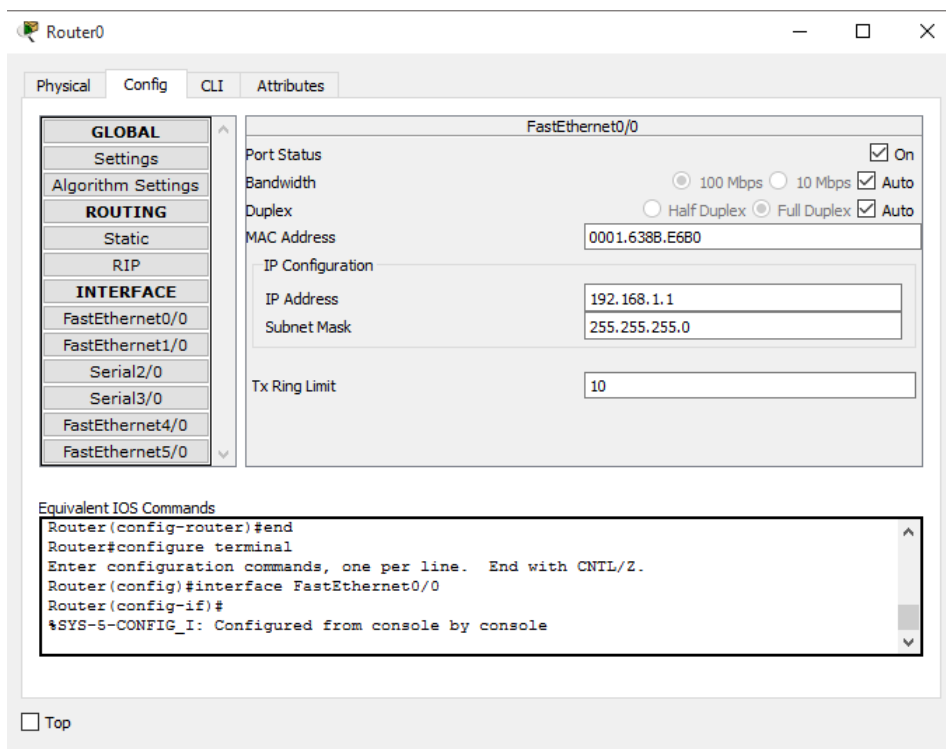
The screenshot shows the 'PC5' configuration window with the 'Config' tab selected. The 'IP Configuration' section is active, displaying the following settings:

- IP Configuration:**
  - ☒ DHCP
  - IP Address: 192.168.3.7
  - Subnet Mask: 255.255.255.0
  - Default Gateway: 192.168.3.1
  - DNS Server: 192.168.1.2
- IPv6 Configuration:**
  - ☐ DHCP
  - ☐ Auto Config
  - ☒ Static
  - IPv6 Address: (empty)
  - Link Local Address: FE80::290:2BFF:FE60:5084
  - IPv6 Gateway: (empty)
  - IPv6 DNS Server: (empty)

A 'Top' button is located at the bottom left of the window.

## 7. Konfigurasi Router 0

### a. fa 0/0



The screenshot shows the 'Router0' configuration window with the 'Config' tab selected. The 'FastEthernet0/0' interface is selected in the left sidebar. The configuration details for this interface are as follows:

- FastEthernet0/0 Settings:**
  - Port Status: ☒ On
  - Bandwidth: ☒ 100 Mbps
  - Duplex: ☒ Full Duplex
  - MAC Address: 0001.6388.E6B0
  - IP Configuration:
    - IP Address: 192.168.1.1
    - Subnet Mask: 255.255.255.0
  - Tx Ring Limit: 10

Below the configuration fields, the 'Equivalent IOS Commands' are listed:

```
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
$SYS-5-CONFIG_I: Configured from console by console
```

A 'Top' button is located at the bottom left of the window.

b. fa 1/0

The screenshot shows the configuration window for FastEthernet1/0 on Router0. The left sidebar has tabs for GLOBAL, Settings, Algorithm Settings, ROUTING, Static, RIP, INTERFACE, and a list of interfaces. Under the INTERFACE tab, FastEthernet1/0 is selected. The main area shows configuration for FastEthernet1/0 with the following settings:

- Port Status: ☒ On
- Bandwidth: ☐ 100 Mbps ☐ 10 Mbps ☒ Auto
- Duplex: ☐ Half Duplex ☒ Full Duplex ☒ Auto
- MAC Address: 0090.0CBC.66A7
- IP Configuration:
  - IP Address: 192.168.2.1
  - Subnet Mask: 255.255.255.0
- Tx Ring Limit: 10

Below the configuration fields is a text area for Equivalent IOS Commands:

```
Router(config)#interface FastEthernet0/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console

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

At the bottom left, there is a checkbox for Top.

c. serial 2/0

The screenshot shows the configuration window for Serial2/0 on Router0. The left sidebar is the same as in the previous screenshot, but Serial2/0 is selected under the INTERFACE tab. The main area shows configuration for Serial2/0 with the following settings:

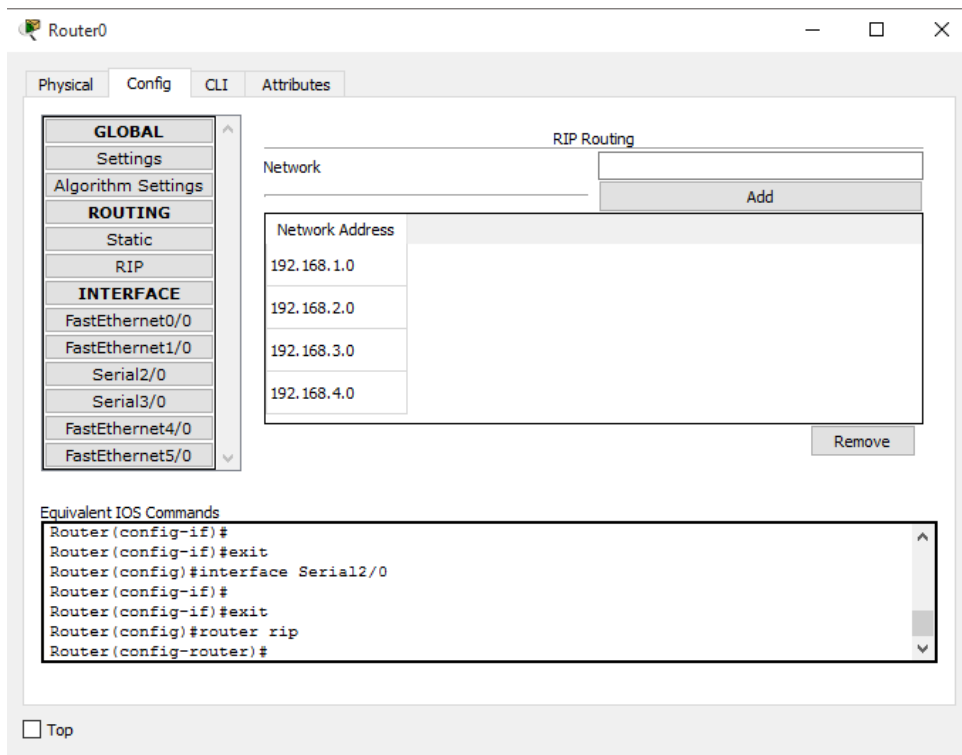
- Port Status: ☒ On
- Duplex: ☒ Full Duplex
- Clock Rate: 2000000
- IP Configuration:
  - IP Address: 192.168.4.1
  - Subnet Mask: 255.255.255.0
- Tx Ring Limit: 10

Below the configuration fields is a text area for Equivalent IOS Commands:

```
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#
```

At the bottom left, there is a checkbox for Top.

## d. Routing RIP



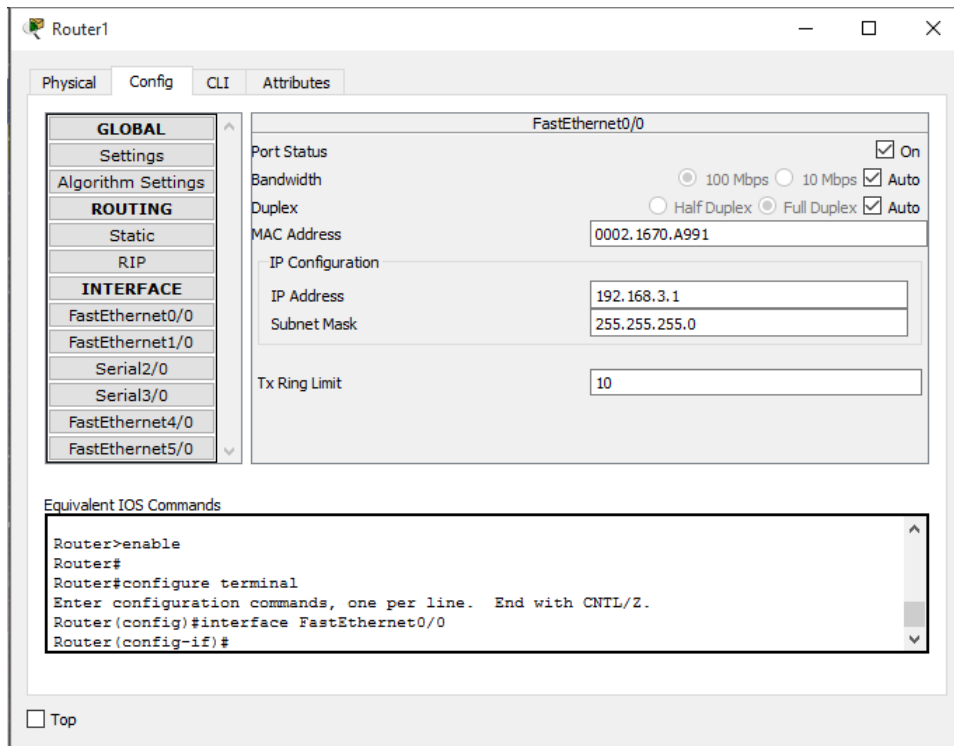
The screenshot shows the 'Router0' configuration window with the 'Config' tab selected. The left sidebar shows a tree view with 'GLOBAL' expanded, containing 'Settings', 'Algorithm Settings', 'ROUTING', and 'INTERFACE'. Under 'ROUTING', 'RIP' is selected. The main area is titled 'RIP Routing' and contains a 'Network' input field, an 'Add' button, and a list of network addresses: 192.168.1.0, 192.168.2.0, 192.168.3.0, and 192.168.4.0. A 'Remove' button is at the bottom right. Below the main area is a text box for 'Equivalent IOS Commands' containing the following commands:

```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#
```

At the bottom left, there is a 'Top' button.

## 8. Konfigurasi Router 1

### a. fa 0/0



The screenshot shows the 'Router1' configuration window with the 'Config' tab selected. The left sidebar shows a tree view with 'GLOBAL' expanded, containing 'Settings', 'Algorithm Settings', 'ROUTING', and 'INTERFACE'. Under 'INTERFACE', 'FastEthernet0/0' is selected. The main area is titled 'FastEthernet0/0' and contains the following configuration options:

- Port Status: ☒ On
- Bandwidth: ☒ 100 Mbps ☐ 10 Mbps ☒ Auto
- Duplex: ☐ Half Duplex ☒ Full Duplex ☒ Auto
- MAC Address: 0002.1670.A991
- IP Configuration:
  - IP Address: 192.168.3.1
  - Subnet Mask: 255.255.255.0
- Tx Ring Limit: 10

Below the main area is a text box for 'Equivalent IOS Commands' containing the following commands:

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
```

At the bottom left, there is a 'Top' button.

b. se 2/0

Router1

Physical Config CLI Attributes

**GLOBAL**

- Settings
- Algorithm Settings

**ROUTING**

- Static
- RIP

**INTERFACE**

- FastEthernet0/0
- FastEthernet1/0
- Serial2/0
- Serial3/0
- FastEthernet4/0
- FastEthernet5/0

**Serial2/0**

Port Status ☒ On

Duplex ☐ Full Duplex

Clock Rate 1200

IP Configuration

IP Address 192.168.4.2

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config-if)#  
Router(config-if)#exit  
Router(config)#interface FastEthernet1/0  
Router(config-if)#  
Router(config-if)#exit  
Router(config)#interface Serial2/0  
Router(config-if)#
```

☐ Top

c. Routing RIP

Router1

Physical Config CLI Attributes

**GLOBAL**

- Settings
- Algorithm Settings

**ROUTING**

- Static
- RIP

**INTERFACE**

- FastEthernet0/0
- FastEthernet1/0
- Serial2/0
- Serial3/0
- FastEthernet4/0
- FastEthernet5/0

**RIP Routing**

Network

Add

Network Address

192.168.1.0
192.168.2.0
192.168.3.0
192.168.4.0

Remove

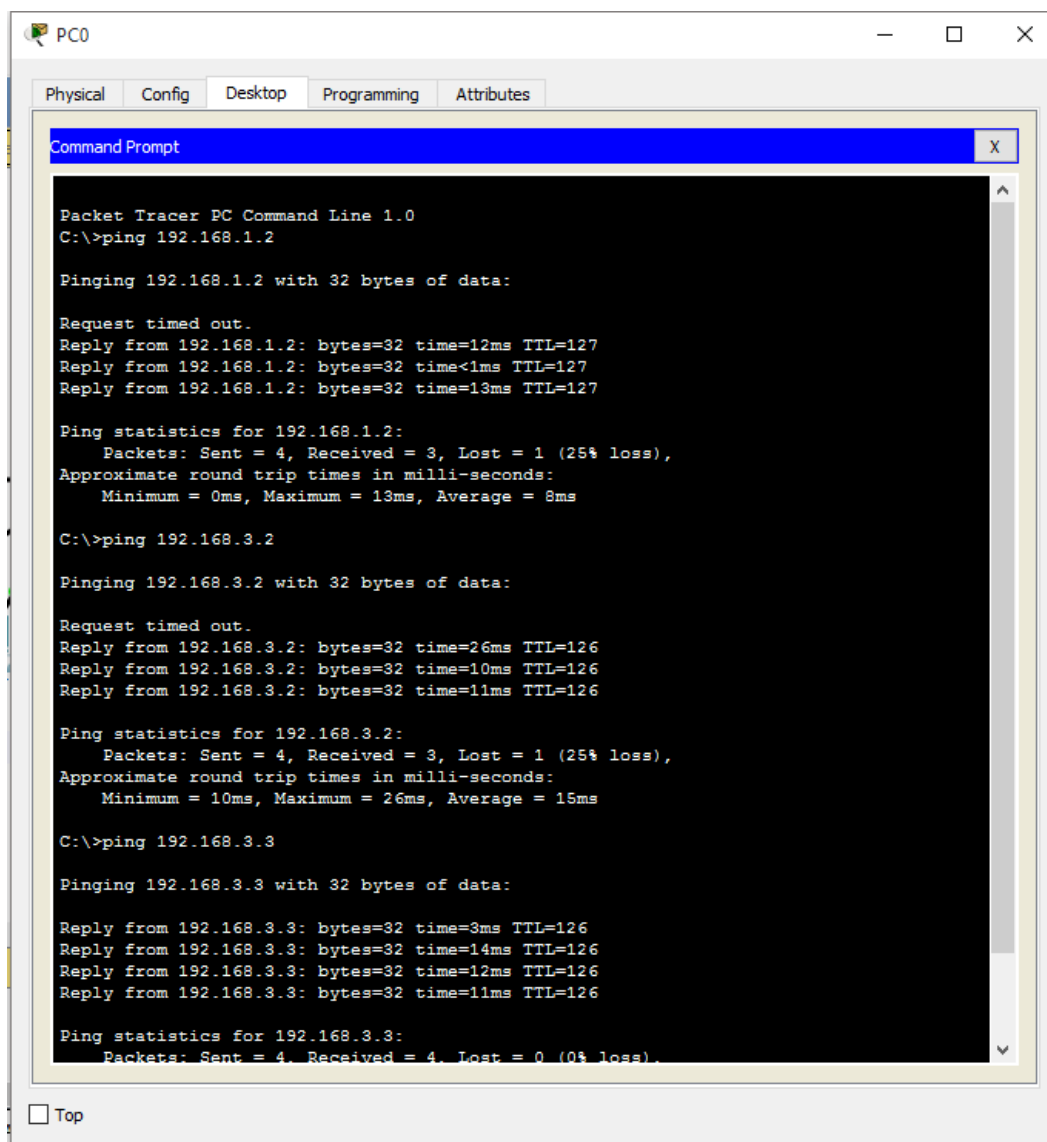
Equivalent IOS Commands

```
Router(config-if)#  
Router(config-if)#exit  
Router(config)#interface Serial2/0  
Router(config-if)#  
Router(config-if)#exit  
Router(config)#router rip  
Router(config-router)#
```

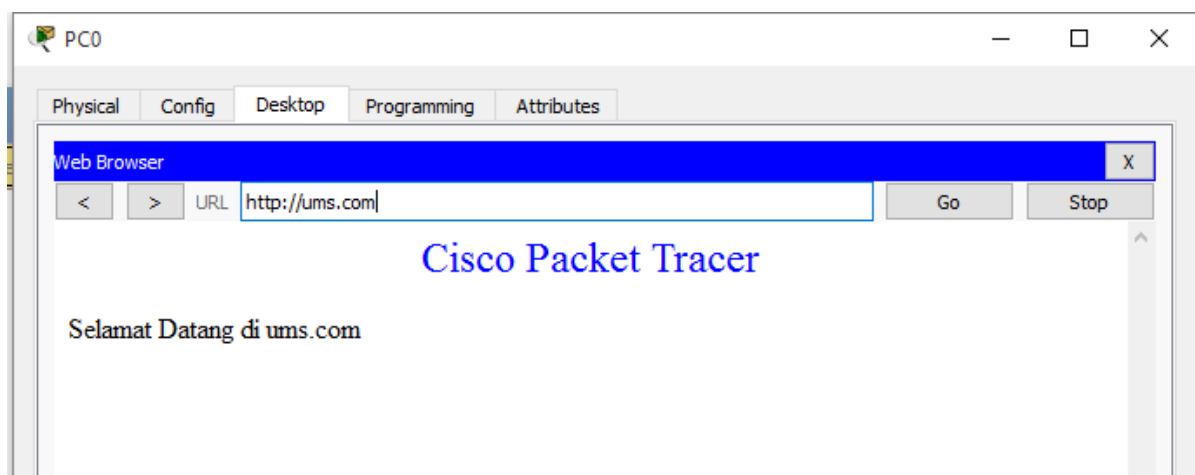
☐ Top

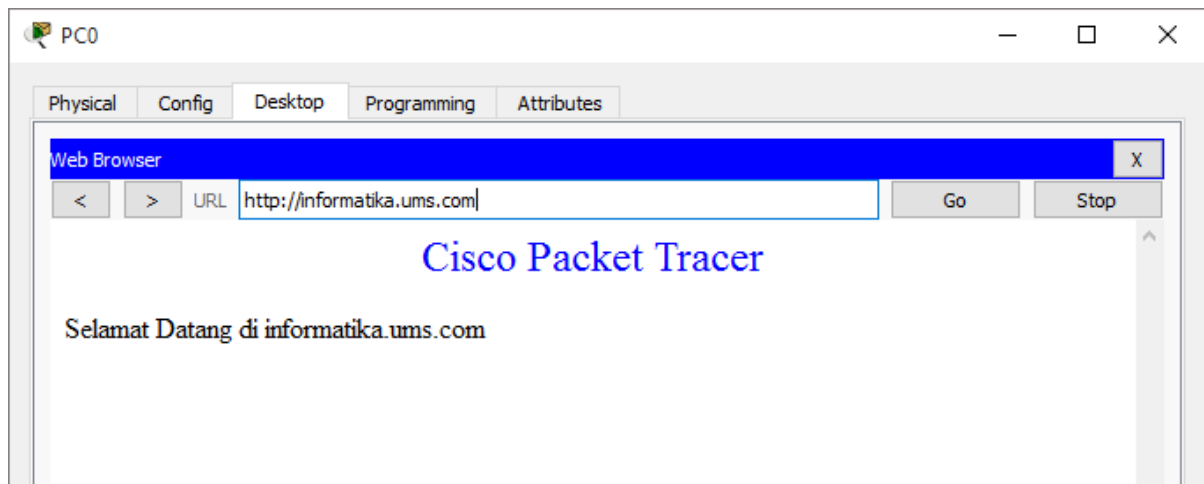


## 9. Melakukan Ping dari PC 0

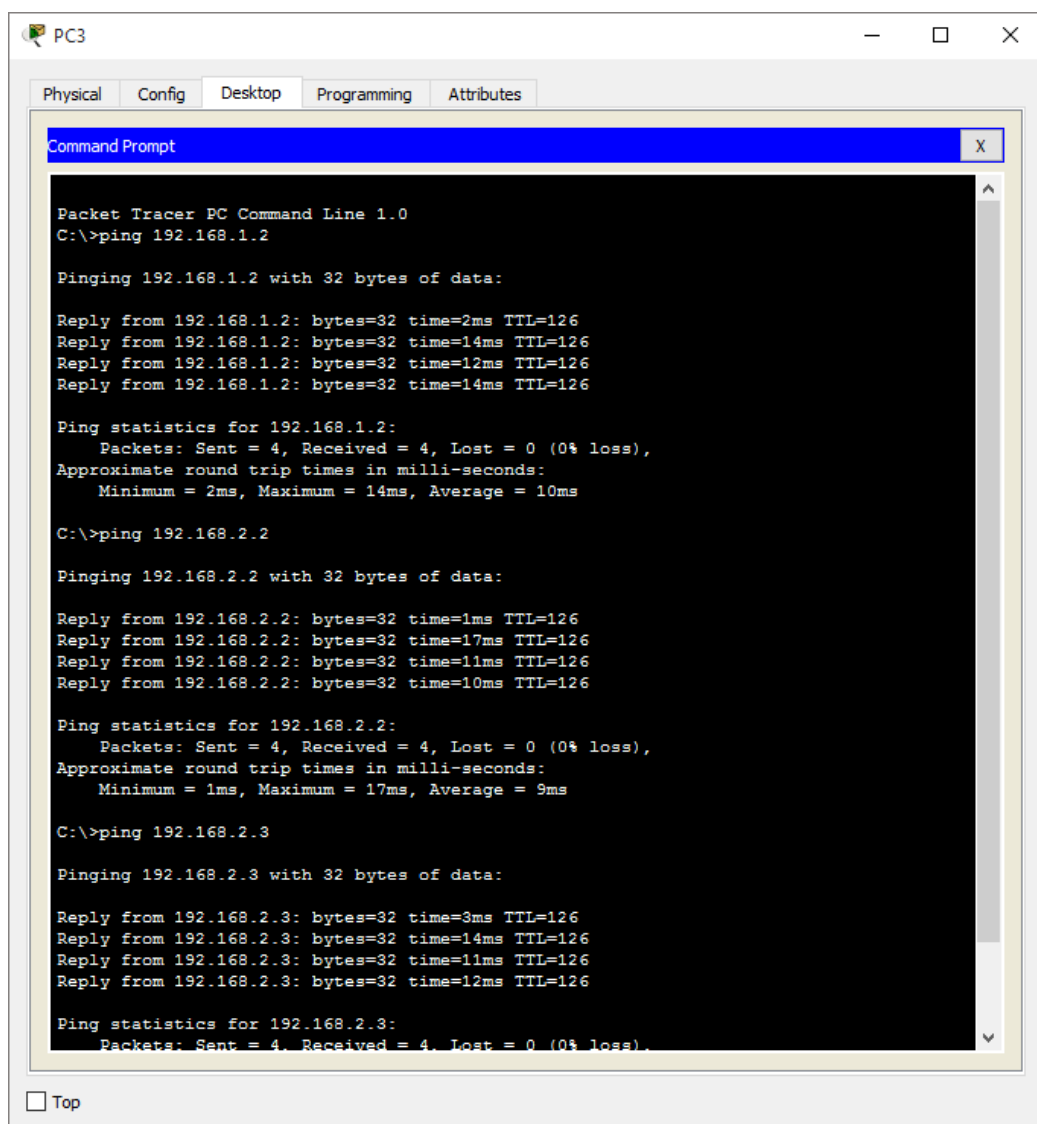


## 10. Melihat lewat browser





11. Melakukan ping dari PC 3 (Network 192.168.3.0)



## 12. Membuka lewat browser (DNS)

