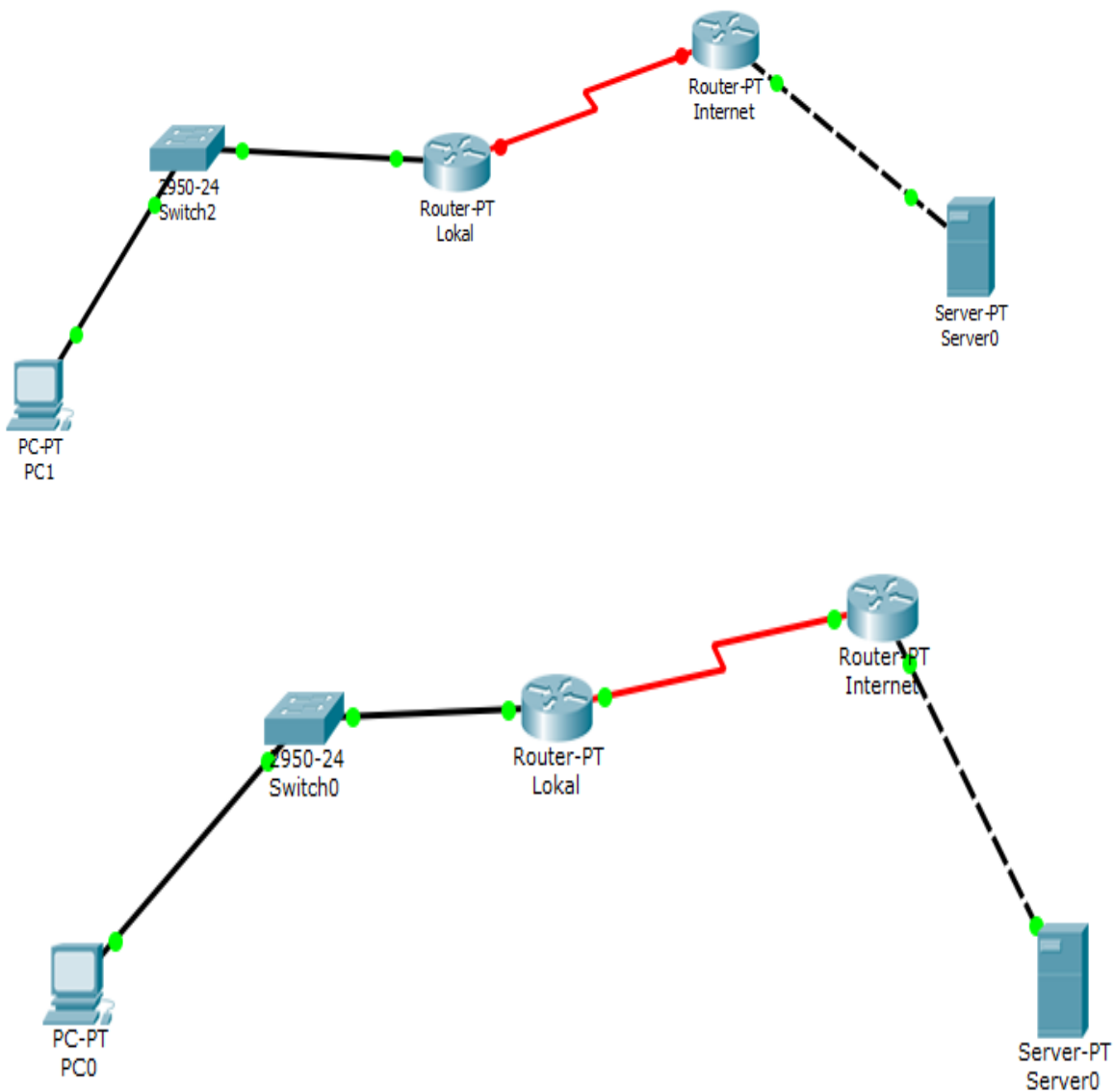


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**Kelas : D**

## Praktikum Jaringan Komputer

### MODUL 9



1. Memberi alamat IP Address pada Serial 2/0 pada Router Internet

The screenshot shows the 'Internet' configuration window with the 'Config' tab selected. The left sidebar lists various configuration categories: GLOBAL, Settings, Algorithm Settings, ROUTING, Static, RIP, INTERFACE, and a list of interfaces including FastEthernet0/0, FastEthernet1/0, Serial2/0 (selected), Serial3/0, FastEthernet4/0, and FastEthernet5/0. The main panel displays the configuration for the 'Serial2/0' interface. It includes a 'Port Status' section with a checked 'On' checkbox, a 'Duplex' section with 'Full Duplex' selected, and a 'Clock Rate' dropdown set to '2000000'. The 'IP Configuration' section shows the 'IP Address' as '20.0.0.2' and the 'Subnet Mask' as '255.0.0.0'. The 'Tx Ring Limit' is set to '10'. Below the configuration fields, there is a section for 'Equivalent IOS Commands' showing the following commands: 

```
Internet(config)#interface FastEthernet0/0
Internet(config-if)#
Internet(config-if)#exit
Internet(config)#interface FastEthernet0/0
Internet(config-if)#
Internet(config-if)#exit
Internet(config)#interface Serial2/0
Internet(config-if)#
```

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

2. Memberi alamat IP Address pada FastEthernet 0/0 pada Router Internet

The screenshot shows the 'Internet' configuration window with the 'Config' tab selected. The left sidebar is the same as in the first screenshot, but the 'FastEthernet0/0' interface is selected. The main panel displays the configuration for the 'FastEthernet0/0' interface. It includes a 'Port Status' section with a checked 'On' checkbox, a 'Bandwidth' section with '100 Mbps' selected, a 'Duplex' section with 'Full Duplex' selected, and a 'MAC Address' field set to '00D0.BCA2.EE8D'. The 'IP Configuration' section shows the 'IP Address' as '10.0.0.1' and the 'Subnet Mask' as '255.0.0.0'. The 'Tx Ring Limit' is set to '10'. Below the configuration fields, there is a section for 'Equivalent IOS Commands' showing the following commands: 

```
Internet(config)#interface FastEthernet0/0
Internet(config-if)#
Internet(config-if)#exit
Internet(config)#interface Serial2/0
Internet(config-if)#
Internet(config-if)#exit
Internet(config)#interface FastEthernet0/0
Internet(config-if)#
```

3. Memberi alamat IP Address pada Serial 2/0 pada Router Lokal

Lokal

Physical Config CLI Attributes

Serial2/0

Port Status ☒ On

Duplex ☐ Full Duplex

Clock Rate Not Set

IP Configuration

IP Address 20.0.0.1

Subnet Mask 255.0.0.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Lokal>enable
Lokal#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Lokal(config)#interface FastEthernet0/0
Lokal(config-if)#
Lokal(config-if)#exit
Lokal(config)#interface Serial2/0
Lokal(config-if)#
```

4. Memberi alamat IP Address pada FastEthernet 0/0 pada Router Internet

Lokal

Physical Config CLI Attributes

FastEthernet0/0

Port Status ☒ On

Bandwidth ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 00E0.8FDA.22C1

IP Configuration

IP Address 30.0.0.1

Subnet Mask 255.0.0.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Lokal(config)#interface FastEthernet0/0
Lokal(config-if)#
Lokal(config-if)#exit
Lokal(config)#interface Serial2/0
Lokal(config-if)#
Lokal(config-if)#exit
Lokal(config)#interface FastEthernet0/0
Lokal(config-if)#
```

5. Memberi alamat IP Address pada FastEthernet 0/0 pada Web Server

Server0

Physical Config Services Desktop Attributes Software/Services

GLOBAL  
Settings  
Algorithm Settings  
INTERFACE  
FastEthernet0

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 00E0.8FD7.5535

IP Configuration

☐ DHCP

☒ Static

IP Address 10.0.0.2

Subnet Mask 255.0.0.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address: FE80::2E0:8FFF:FED7:5535

6. Memberi alamat IP Address pada FastEthernet 0/0 pada PC0

PC0

Physical Config Desktop Attributes Software/Services

GLOBAL  
Settings  
Algorithm Settings  
INTERFACE  
FastEthernet0

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 00E0.F938.B087

IP Configuration

☐ DHCP

☒ Static

IP Address 30.0.0.2

Subnet Mask 255.0.0.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address: FE80::2E0:F9FF:FE38:B087

## 7. Melakukan konfigurasi pada Router Internet

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname Internet
Internet(config)#int fa 0/0
Internet(config-if)#ip address 10.0.0.1 255.0.0.0
Internet(config-if)#no shutdown

Internet(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

Internet(config-if)#exit
Internet(config)#int se 2/0
Internet(config-if)#ip address 20.0.0.2 255.0.0.0
Internet(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial2/0, changed state to down
Internet(config-if)#ip route 30.0.0.0 255.0.0.0 20.0.0.1
Internet(config)#ip nat inside source static 10.0.0.2 50.0.0.1
Internet(config)#int fa 0/0
Internet(config-if)#ip nat inside
Internet(config-if)#exit
```

## 8. Melakukan konfigurasi pada Router Lokal

```
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname Lokal
Lokal(config)#int fa 0/0
Lokal(config-if)#ip address 30.0.0.1 255.0.0.0
Lokal(config-if)#no shutdown

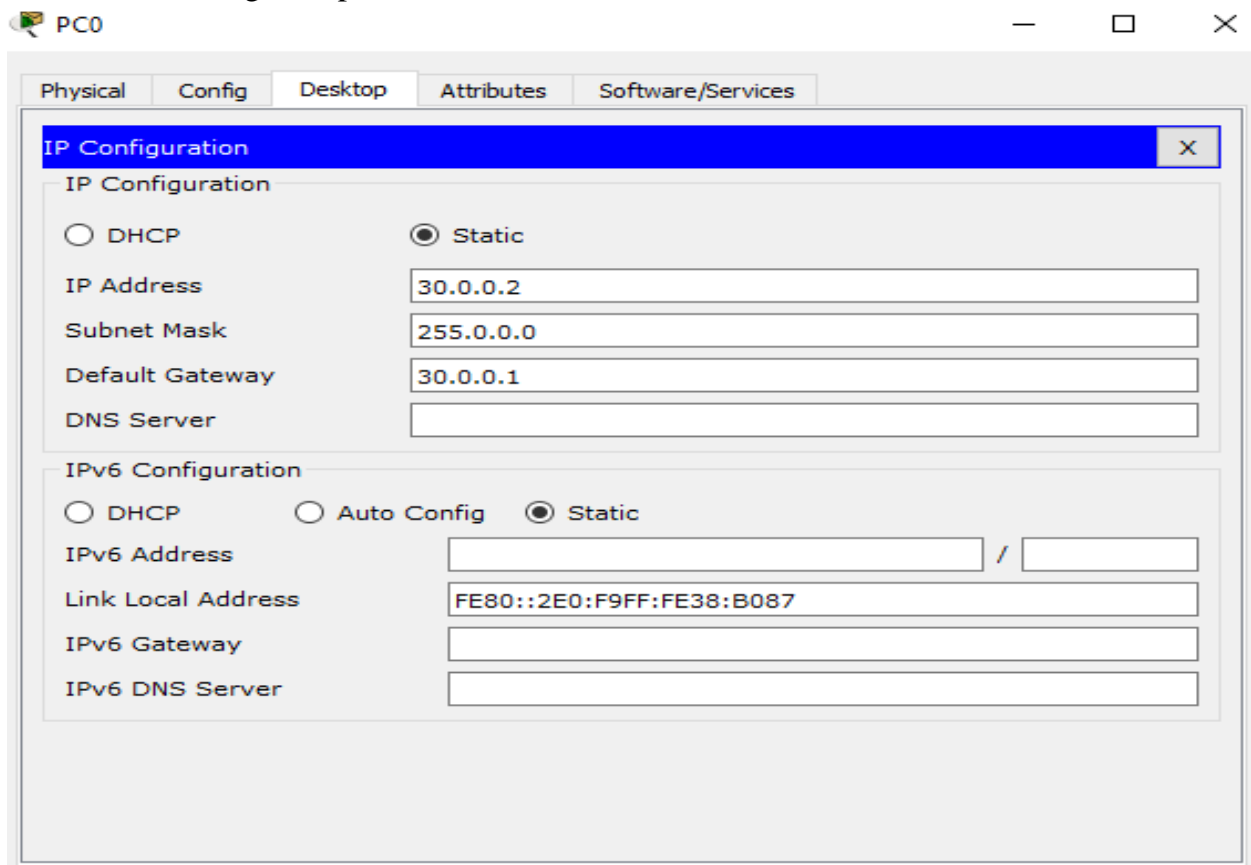
Lokal(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up

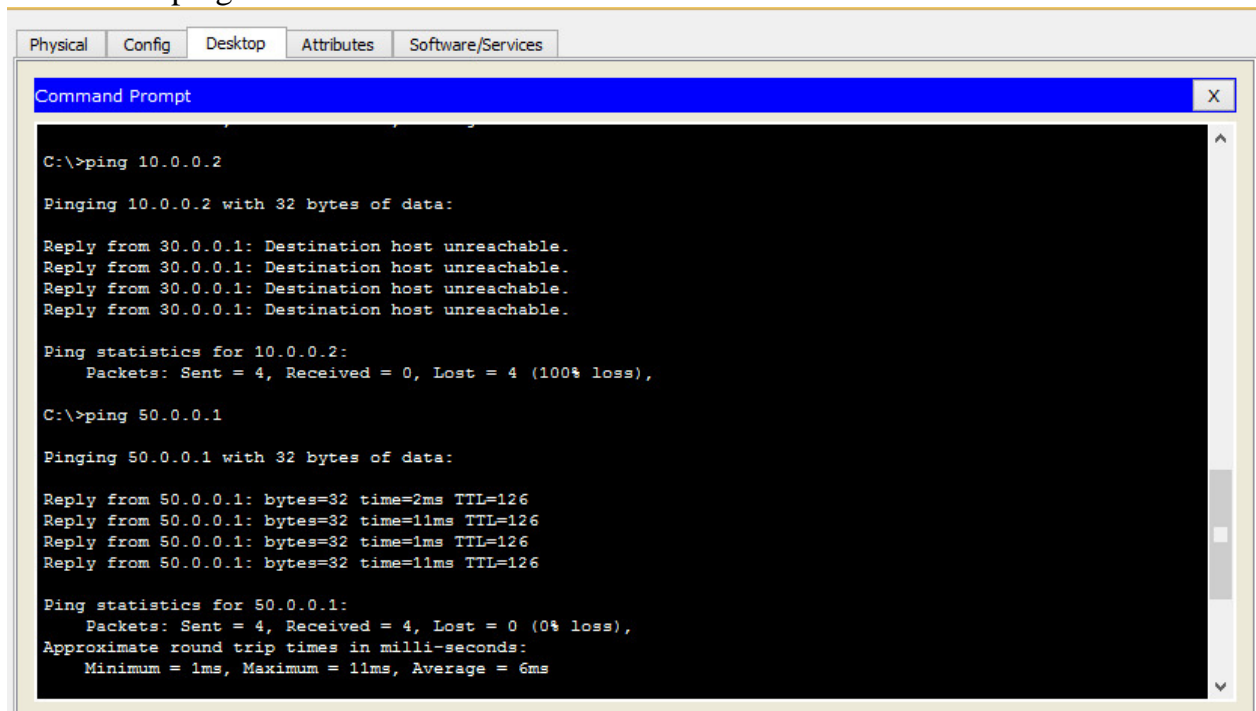
Lokal(config-if)#exit
Lokal(config)#int se 2/0
Lokal(config-if)#ip address 20.0.0.1 255.0.0.0
Lokal(config-if)#clock rate 64000
Lokal(config-if)#bandwidth 64
Lokal(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial2/0, changed state to down
Lokal(config-if)#exit
Lokal(config)#ip route 50.0.0.0 255.0.0.0 20.0.0.2
Lokal(config)#exit
Lokal#
```

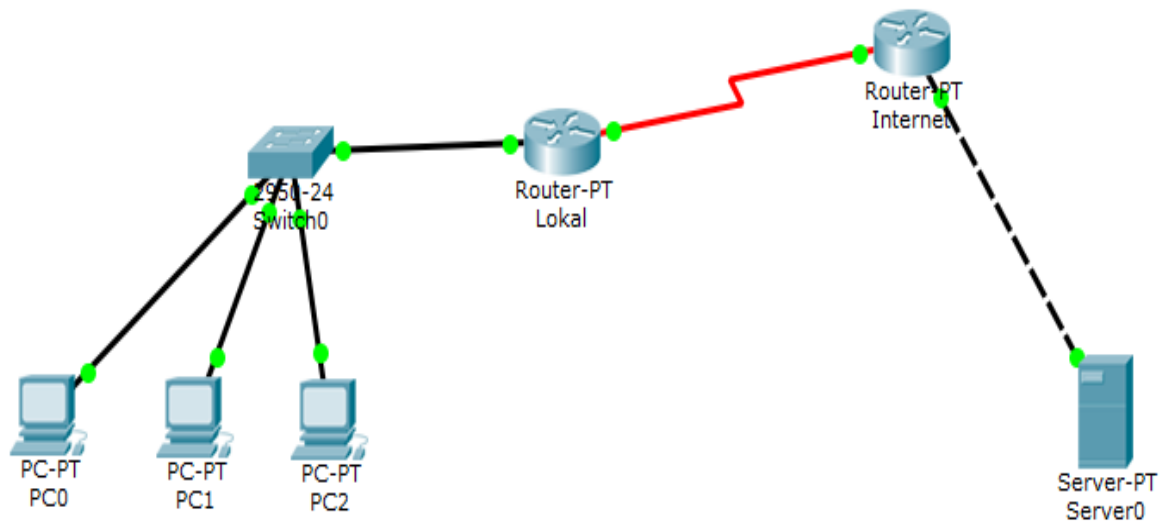
## 9. Melakukan konfigurasi pada PC0



## 10. Melakukan ping dari PC0



11. Mengembangkan topologi dari langkah 1 menjadi seperti dibawah ini :



12. Melakukan konfigurasi pada PC1

PC1

Physical Config Desktop Attributes Software/Services

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address: 30.0.0.3

Subnet Mask: 255.0.0.0

Default Gateway: 30.0.0.1

DNS Server:

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

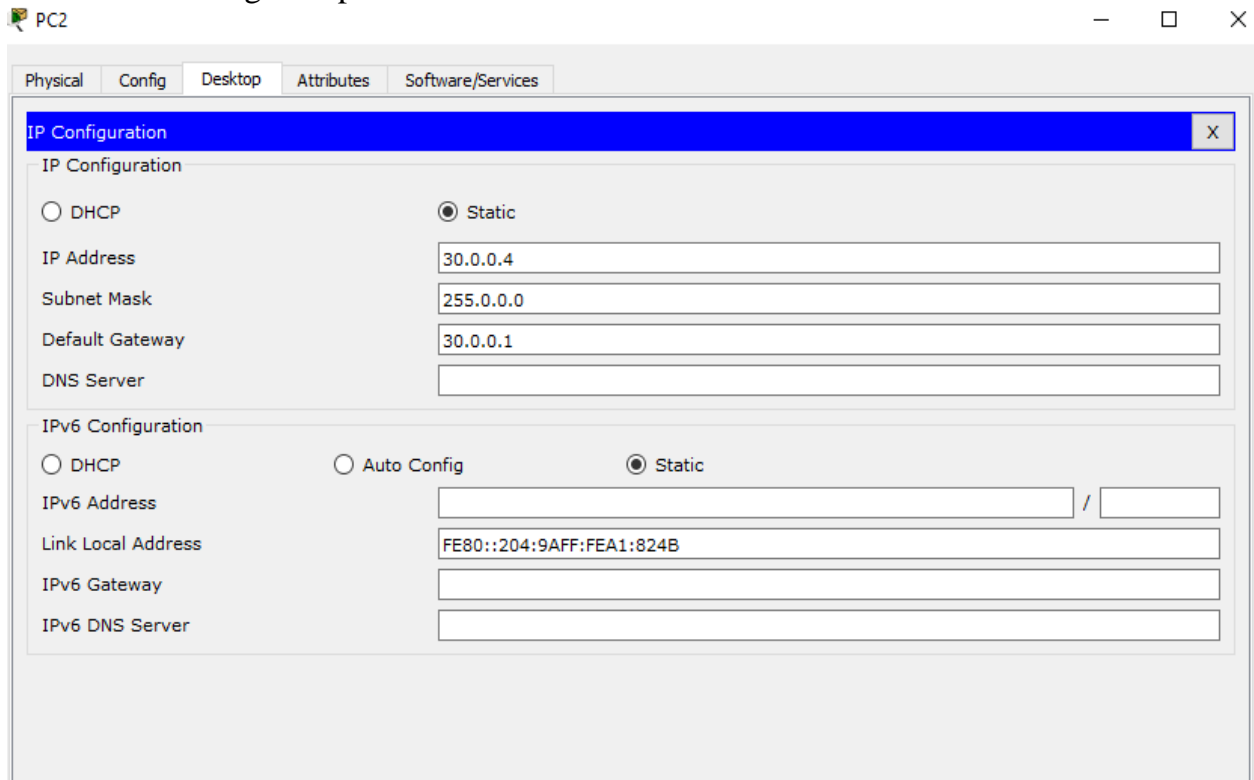
IPv6 Address: /

Link Local Address: FE80::200:CFF:FE65:419E

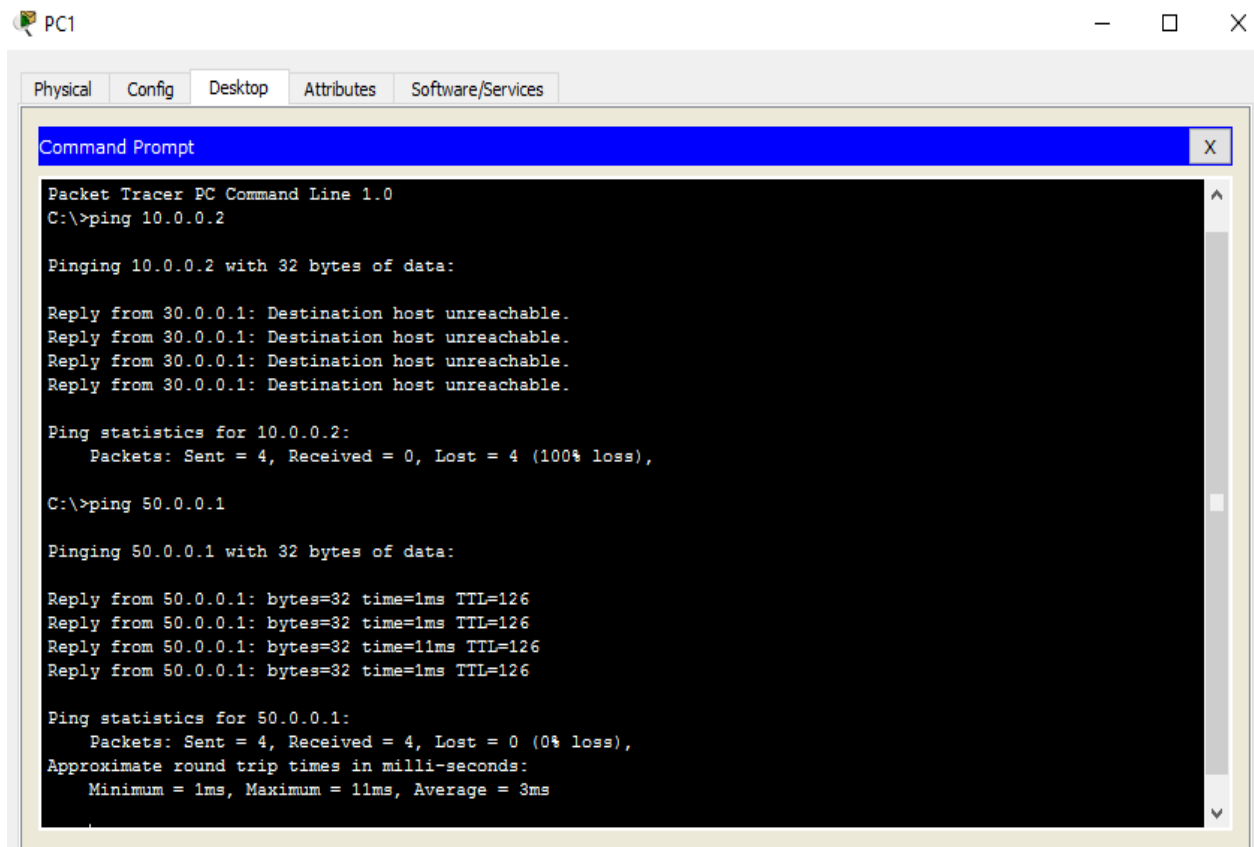
IPv6 Gateway:

IPv6 DNS Server:

### 13. Melakukan konfigurasi pada PC2



### 14. Melakukan ping pada PC1





## 15. Melakukan ping pada PC2

