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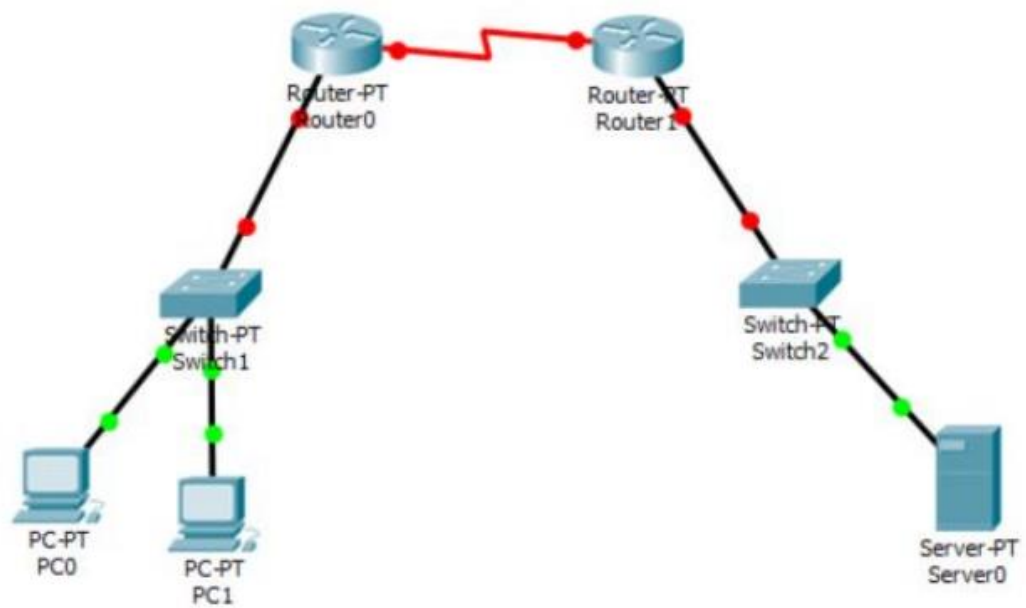
Nim : L200170148

Kelas : F

## LAPORAN PRAKTIKUM JARINGAN KOMPUTER

### MODUL 9

1. Membuat topologi seperti gambar dibawah dengan menggunakan Cisco Packet Tracer
2. Mengubah nama untuk setiap device



3. Melakukan konfigurasi router internet

```

Router>en
Router#config term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname Internet
Internet(config)#config term
%Invalid hex value
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)#exit
Internet(config)#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
Internet(config)#int se 2/0
Internet(config-if)#ip nat outside
Internet(config-if)#exit
Internet(config)#

```

#### 4. Membuat konfigurasi untuk router lokal

```

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Serial2/0
Router(config-if)#ip address
% Incomplete command.
Router(config-if)#exit
Router(config)#hostname lokal
lokal(config)#int fa 0/0
lokal(config-if)#ip address 30.0.0.1 255.0.0.0
^
% Invalid input detected at '^' marker.

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
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 6400
Unknown clock rate
lokal(config-if)#clock rate 64000
This command applies only to DCE interfaces
lokal(config-if)#bandwidth 64
lokal(config-if)#no shutdown

lokal(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

lokal(config-if)#exit

```

5. Melakukan konfigurasi PC, router, dan web server

The screenshot shows a window titled "Server0" with several tabs: Physical, Config, Services, Desktop, Programming, and Attributes. The "Config" tab is active, and within it, the "IP Configuration" sub-tab is selected. The "IP Configuration" section has a title bar with a close button (X). It contains two main sections: "IP Configuration" and "IPv6 Configuration".

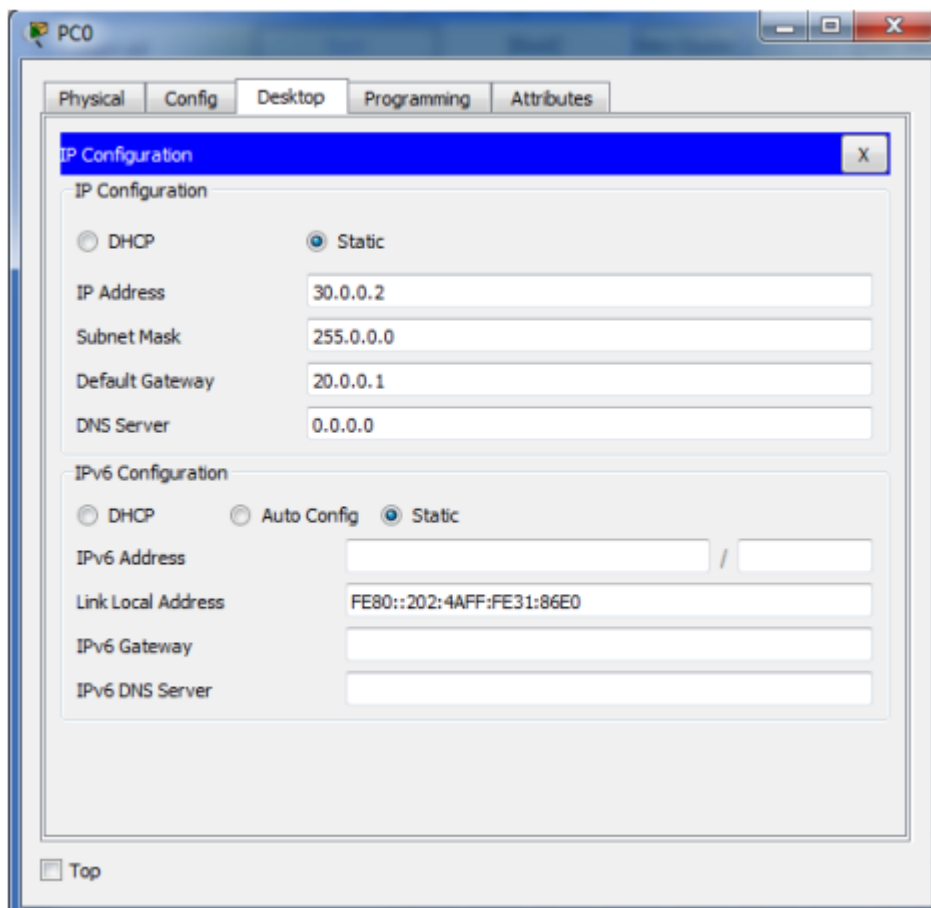
**IP Configuration**

- ☐ DHCP
- ☒ Static
- IP Address: 10.0.0.2
- Subnet Mask: 255.0.0.0
- Default Gateway: 10.0.0.1
- DNS Server: 0.0.0.0

**IPv6 Configuration**

- ☐ DHCP
- ☐ Auto Config
- ☒ Static
- IPv6 Address: [empty] / [empty]
- Link Local Address: FE80::207:ECFF:FEE1:45BA
- IPv6 Gateway: [empty]
- IPv6 DNS Server: [empty]

At the bottom left of the window, there is a checkbox labeled "Top" which is currently unchecked.



6. Melakukan uji coba dari PC local ke web server

```

C:\>ping 10.0.0.2

Pinging 10.0.0.2 with 32 bytes of data:

Reply from 30.0.0.1: Destination host unreachable.
Reply from 30.0.0.1: Destination host unreachable.
Reply from 30.0.0.1: Destination host unreachable.
Reply from 30.0.0.1: Destination host unreachable.

Ping statistics for 10.0.0.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>

```

```

C:\>ping 50.0.0.1

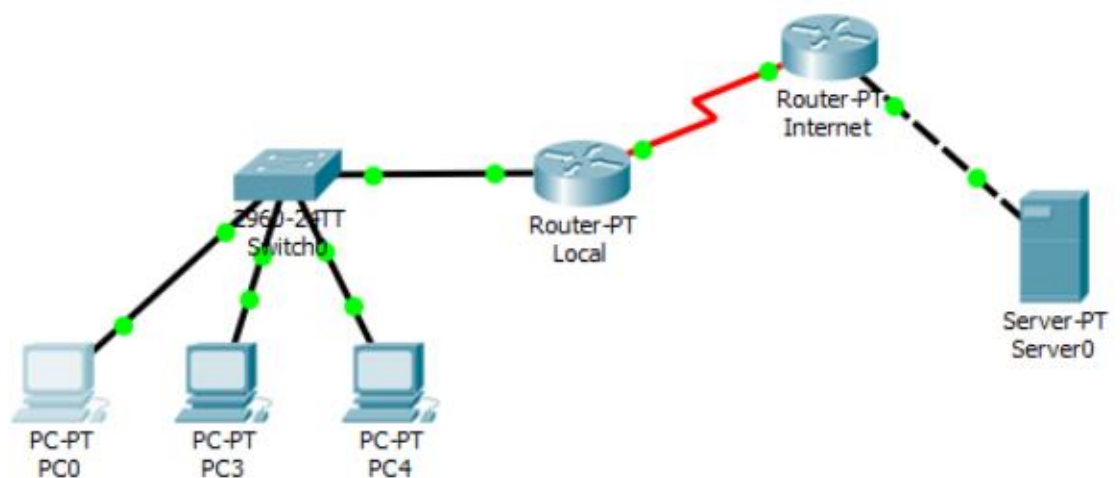
Pinging 50.0.0.1 with 32 bytes of data:

Reply from 50.0.0.1: bytes=32 time=3ms TTL=126
Reply from 50.0.0.1: bytes=32 time=1ms TTL=126
Reply from 50.0.0.1: bytes=32 time=2ms TTL=126
Reply from 50.0.0.1: bytes=32 time=1ms TTL=126

Ping statistics for 50.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 3ms, Average = 1ms

```

7. Mengembangkan topologi dari langkah poin 1 menjadi topologi seperti gambar dibawah



8. Melakukan konfigurasi untuk PC1 dan PC2

PC3

Physical Config Desktop Programming Attributes

IP Configuration X

IP Configuration

☐ DHCP ☒ Static

IP Address 30.0.0.3

Subnet Mask 255.0.0.0

Default Gateway 20.0.0.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

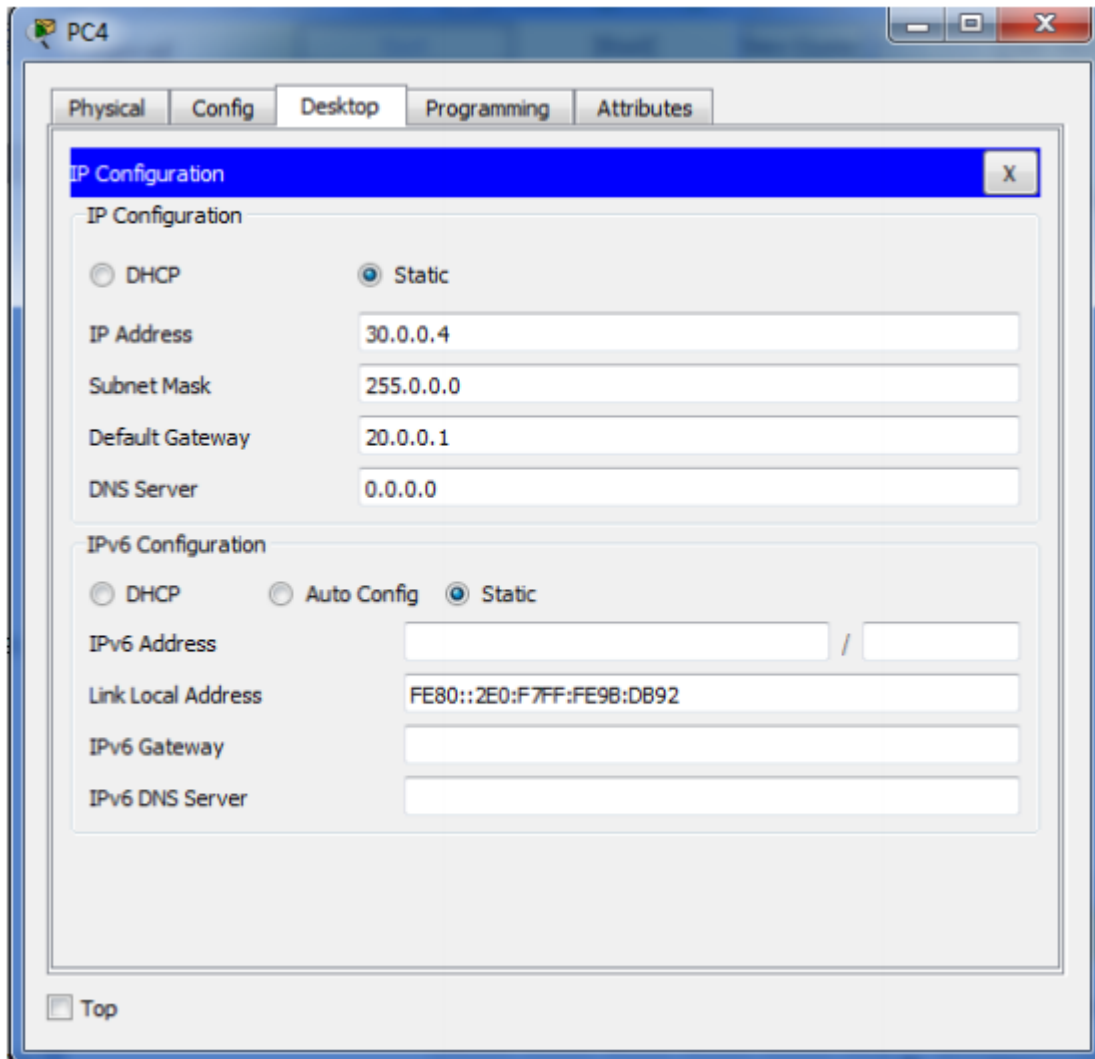
IPv6 Address /

Link Local Address FE80::2D0:58FF:FEBA:741C

IPv6 Gateway

IPv6 DNS Server

Top



9. Melakukan uji coba antar PC

```
C:\>ping 30.0.0.3

Pinging 30.0.0.3 with 32 bytes of data:

Reply from 30.0.0.3: bytes=32 time=1ms TTL=128
Reply from 30.0.0.3: bytes=32 time<1ms TTL=128
Reply from 30.0.0.3: bytes=32 time<1ms TTL=128
Reply from 30.0.0.3: bytes=32 time<1ms TTL=128

Ping statistics for 30.0.0.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```