

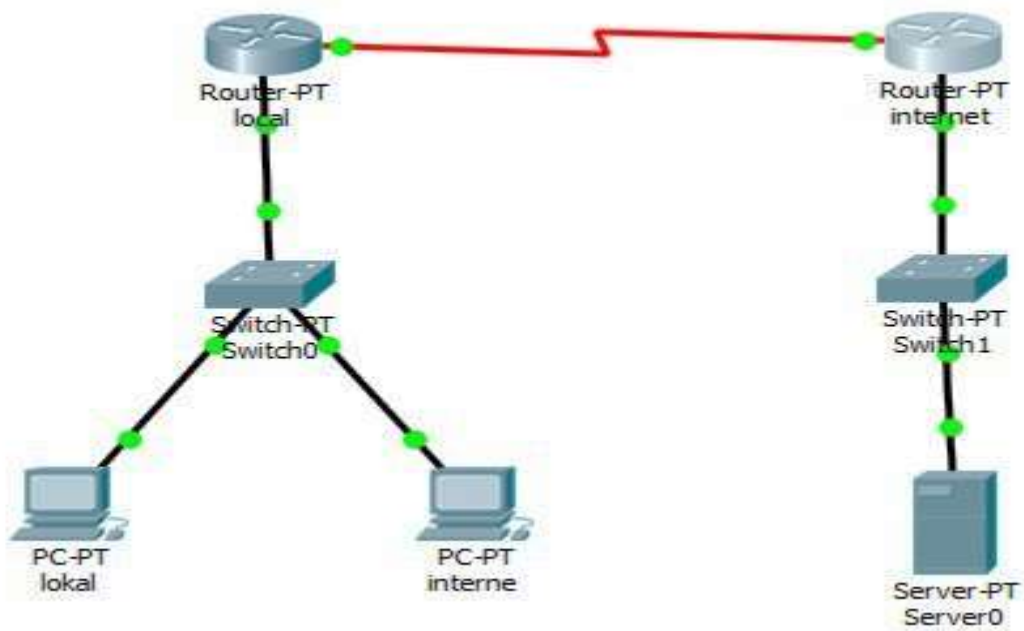
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MODUL 9

Tugas



1) Konfigurasi Router Internet

```

router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
router(config)#hostname internet
internet(config)#int fa0/0
internet(config-if)#ip address 10.0.0.1 255.255.255.0
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 serial2/0
internet(config-if)#ip address 20.0.0.2 255.255.255.0
internet(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial2/0, changed state to down
internet(config-if)#exit

internet(config)#ip route 30.0.0.0 255.255.255.0 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 serial 2/0
internet(config-if)#ip nat outside
internet(config-if)#exit

```

2) Konfigurasi Router Local

```
Router>enable
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname lokal
lokal(config)#int fa0/0
lokal(config-if)#ip address 30.0.0.1 255.255.255.0
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-if)#exit
lokal(config)#int serial2/0
lokal(config-if)#ip address 20.0.0.1 255.255.255.0
lokal(config-if)#clock rate 64000
lokal(config-if)#bandwidth 64
lokal(config-if)#no shutdown
lokal(config-if)#exit
lokal(config)#ip route 50.0.0.0 255.255.255.0 20.0.0.2
lokal(config)#exit
lokal#
%SYS-5-CONFIG_I: Configured from console by console

lokal#
```

3)

Konfigurasi IP Address, Subnet Mask, dan Default Gateway untuk PC Lokal

The screenshot shows a network configuration window titled 'lokal'. It has tabs for 'Physical', 'Config', '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. It contains two main sections: 'IP Configuration' and 'IPv6 Configuration'. In the 'IP Configuration' section, the 'Static' radio button is selected. The fields are filled with: IP Address: 30.0.0.2, Subnet Mask: 255.255.255.0, Default Gateway: 30.0.0.1, and DNS Server: 0.0.0.0. In the 'IPv6 Configuration' section, the 'Static' radio button is also selected. The fields are: IPv6 Address (empty), Link Local Address: FE80::2D0:BCFF:FE74:5481, IPv6 Gateway (empty), and IPv6 DNS Server (empty). A 'Top' button is located at the bottom left of the window.

IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	30.0.0.2
Subnet Mask	255.255.255.0
Default Gateway	30.0.0.1
DNS Server	0.0.0.0

IPv6 Configuration	
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static	
IPv6 Address	/
Link Local Address	FE80::2D0:BCFF:FE74:5481
IPv6 Gateway	
IPv6 DNS Server	

☐ Top

4)

Konfigurasi IP Address, Subnet Mask, dan Default Gateway untuk PC internet

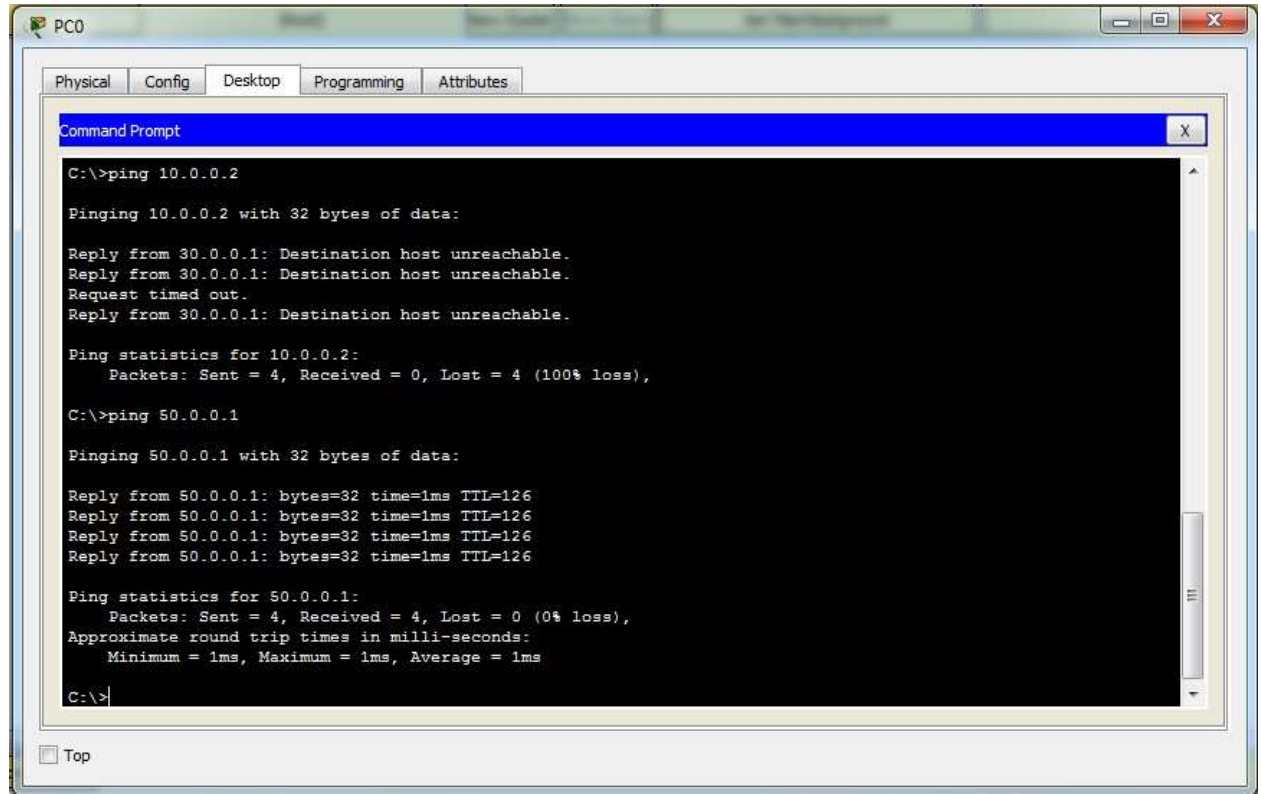
The screenshot shows a window titled 'interne' with a 'Config' tab selected. The 'IP Configuration' section is active, displaying settings for both IPv4 and IPv6. The IPv4 section has 'Static' selected, with IP Address '10.0.0.2', Subnet Mask '255.255.255.0', Default Gateway '10.0.0.1', and DNS Server '0.0.0.0'. The IPv6 section has 'Static' selected, with a Link Local Address 'FE80::206:2AFF:FE44:1290' and empty fields for IPv6 Address, IPv6 Gateway, and IPv6 DNS Server. A 'Top' button is at the bottom left.

IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	10.0.0.2
Subnet Mask	255.255.255.0
Default Gateway	10.0.0.1
DNS Server	0.0.0.0

IPv6 Configuration	
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static	
IPv6 Address	/
Link Local Address	FE80::206:2AFF:FE44:1290
IPv6 Gateway	
IPv6 DNS Server	

5)

Menguji coba koneksi PC local dengan server



The screenshot shows a window titled "PC0" with tabs for "Physical", "Config", "Desktop", "Programming", and "Attributes". The "Desktop" tab is active, displaying a "Command Prompt" window. The Command Prompt shows the results of two ping commands. The first command is "C:\>ping 10.0.0.2", which results in four "Destination host unreachable" messages and a 100% loss. The second command is "C:\>ping 50.0.0.1", which results in four successful replies with 1ms time and 126 TTL, and a 0% loss. The Command Prompt window has a "Top" button at the bottom left.

```
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.
Request timed out.
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:\>ping 50.0.0.1

Pinging 50.0.0.1 with 32 bytes of data:

Reply from 50.0.0.1: bytes=32 time=1ms TTL=126
Reply from 50.0.0.1: bytes=32 time=1ms TTL=126
Reply from 50.0.0.1: bytes=32 time=1ms 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 = 1ms, Average = 1ms

C:\>
```