

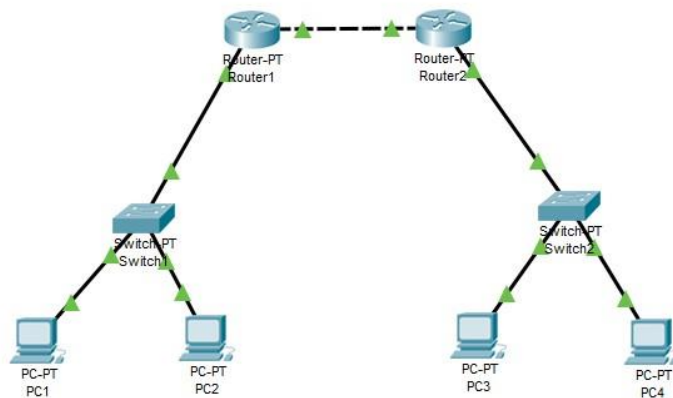
Nama : Rima Dwi Novika

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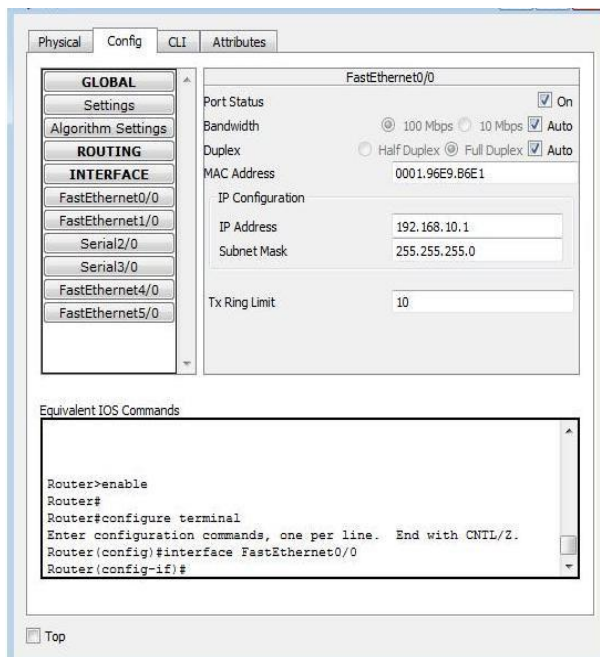
Kelas : B

Modul : 8

Desain Jaringan



Memberikan identitas pada router, switch, dan computer



Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet1/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0002.1761.2578

IP Configuration

IP Address 192.168.110.254

Subnet Mask 255.255.255.0

Tx Ring Limit 10

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

Top

Physical Config CLI Attributes

GLOBAL

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ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet0/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 00E0.F7AE.1C76

IP Configuration

IP Address 192.168.10.2

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

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

Top

Physical Config CLI Attributes

GLOBAL

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ROUTING

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RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet1/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0001.63BD.81E1

IP Configuration

IP Address 192.168.120.254

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
```

Top

Memberikan IP pada tiap PC

Physical Config Desktop Programming Attributes

☐ DHCP ☒ Static

IP Address 192.168.110.3

Subnet Mask 255.255.255.0

Default Gateway 192.168.110.254

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80:230:A3FF:FE79:A74C

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDS

Username

Physical Config Desktop Programming Attributes

☐ DHCP ☒ Static

IP Address 192.168.110.4

Subnet Mask 255.255.255.0

Default Gateway 192.168.110.254

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80:202:17FF:FE8B:71B7

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDS

Username

Password

Physical Config Desktop Programming Attributes

☐ DHCP ☒ Static

IP Address 192.168.120.3

Subnet Mask 255.255.255.0

Default Gateway 192.168.120.254

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80:200:CFF:FE89:7A9B

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDS

Username

Password

Top

Physical Config Desktop Programming Attributes

☐ DHCP ☒ Static

IP Address 192.168.120.4

Subnet Mask 255.255.255.0

Default Gateway 192.168.120.254

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80:200:CFF:FE9C:8510

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDS

Username

Melakukan routing dengan protocol RIP

Router1

Physical Config CLI Attributes

IOS Command Line Interface

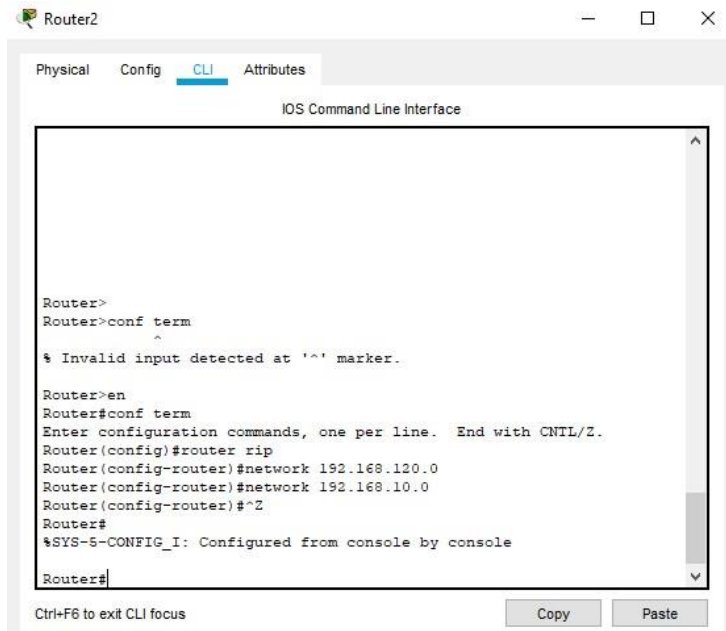
```
changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0,
changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0,
changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0,
changed state to up

Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#network 192.168.110.0
Router(config-router)#network 192.168.10.0
Router(config-router)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#
```

Ctrl+F6 to exit CLI focus

Copy Paste



```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.120.4

Pinging 192.168.120.4 with 32 bytes of data:

Request timed out.
Reply from 192.168.120.4: bytes=32 time<1ms TTL=126
Reply from 192.168.120.4: bytes=32 time<1ms TTL=126
Reply from 192.168.120.4: bytes=32 time<1ms TTL=126

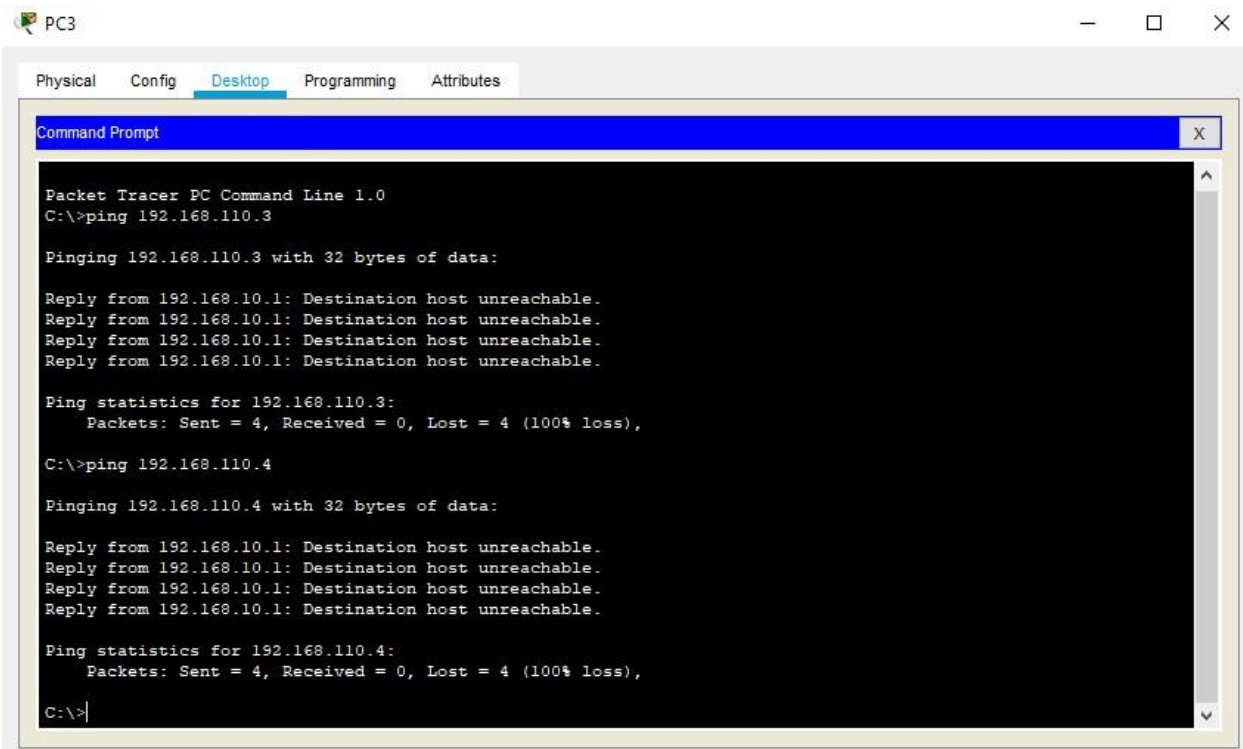
Ping statistics for 192.168.120.4:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

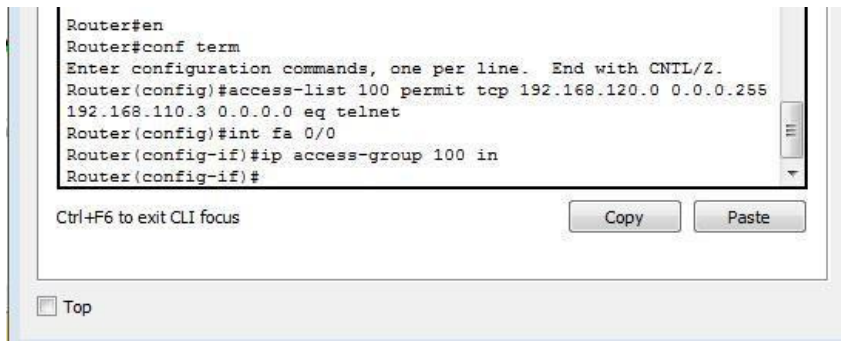
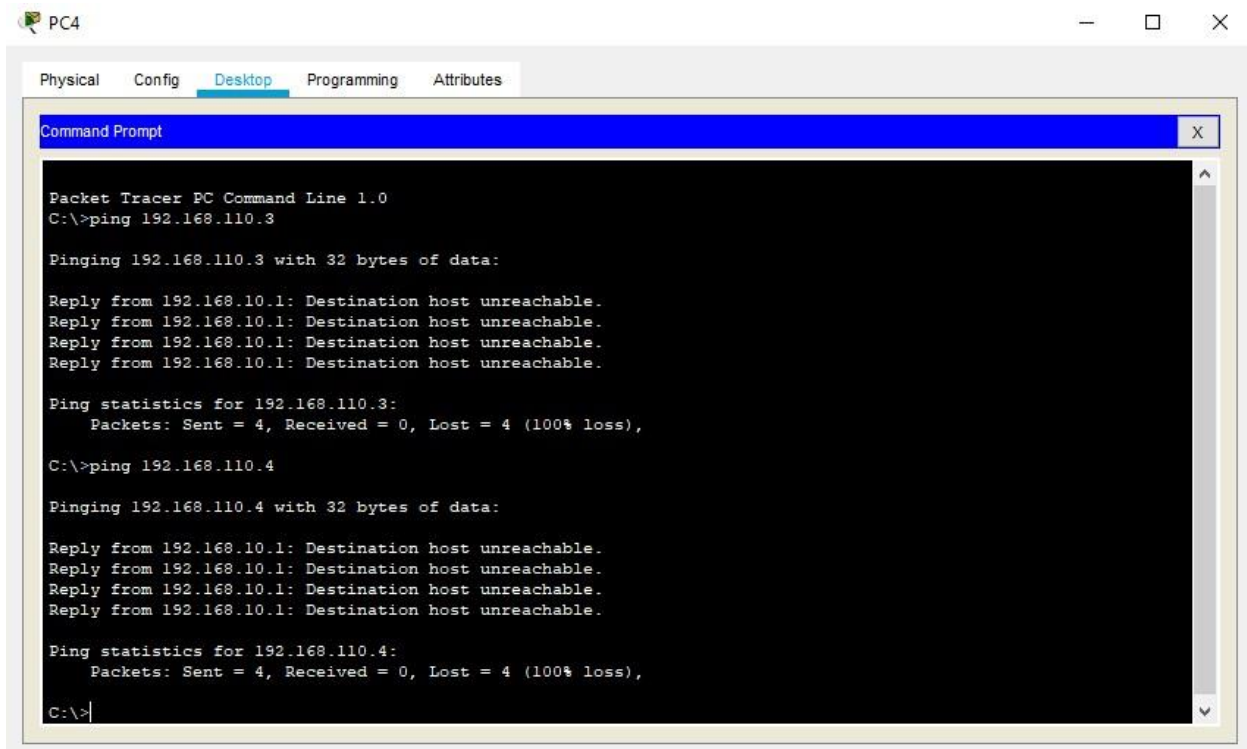
Memblokir akses

```
Router(config)#access-list 20 deny 192.168.120.4 0.0.0.0
Router(config)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa 1/0
Router(config-if)#ip access-group 20 out
Router(config-if)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console
```



Tes koneksi dari PC4 ke PC1 dan PC2



Melihat hasil konfigurasi



The screenshot shows a window titled "Router1" with a standard Windows-style title bar (minimize, maximize, close buttons). Inside the window, there are four tabs: "Physical", "Config", "CLI", and "Attributes". The "CLI" tab is currently selected and highlighted with a blue underline. Below the tabs, the text "IOS Command Line Interface" is centered. The main area of the window displays the output of the command "show access-list" entered at the "Router#" prompt. The output shows two access lists: a standard IP access list 20 with one deny rule for host 192.168.120.4, and an extended IP access list 100 with one permit rule for TCP traffic from 192.168.120.0/24 to host 192.168.110.3. The prompt "Router#" is visible at the bottom of the output.

```
Router1
Physical Config CLI Attributes
IOS Command Line Interface
Router#show access-list
Standard IP access list 20
  10 deny host 192.168.120.4 (8 match(es))
Extended IP access list 100
  10 permit tcp 192.168.120.0 0.0.0.255 host 192.168.110.3 eq
telnet
Router#
```