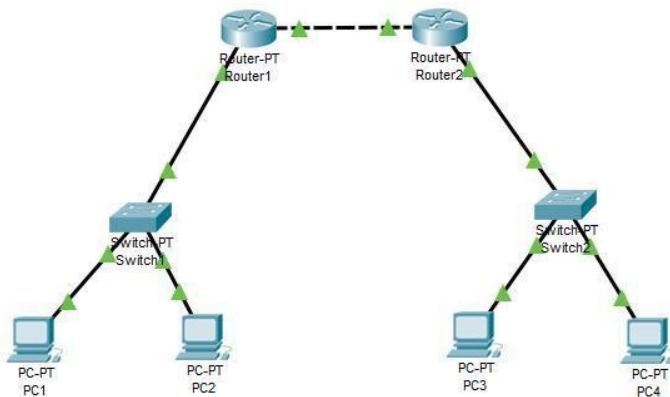


Nama : Thofikh Bisyrn T
NIM : L200170017
Kelas : A
Modul : 8

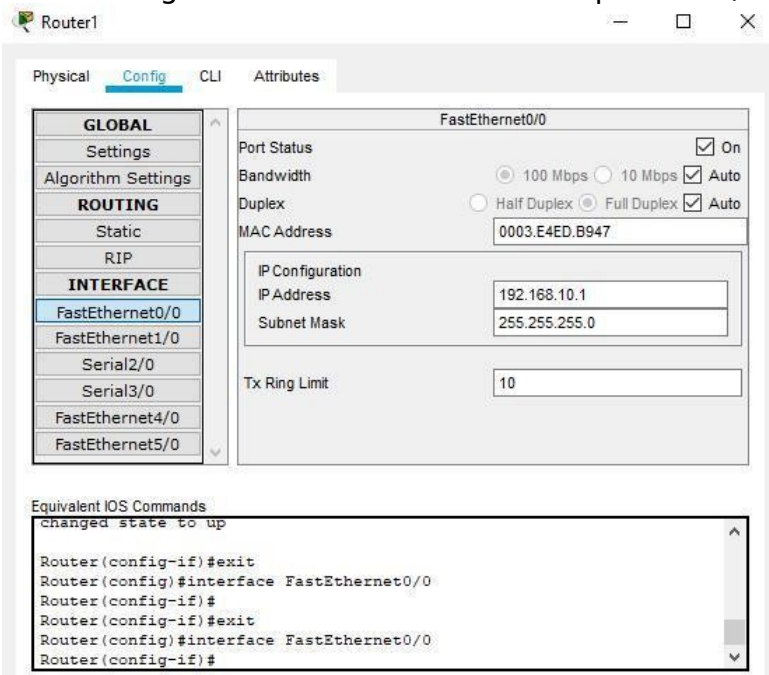
MODUL 8

Kegiatan 1. Konfigurasi Access List

1. Membuat desain topologi jaringan



2. Memberikan IP Address untuk setiap router, masing masing di fa 0/0 dan fa 1/0 sesuai dengan di modul. Berikut contoh pada fa 0/0 di Router 1



3. Memberikan IP Address untuk setiap PC

PC1

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

PC2

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

PC3

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

PC4

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

4. Melakukan routing dengan protocol RIP pada kedua jaringan

Router1

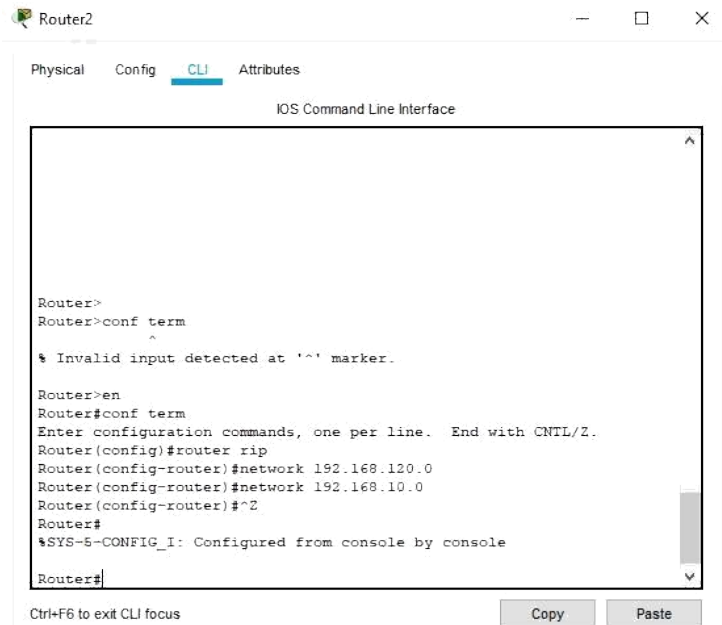
Physical Config **CLI** Attributes

IOS Command Line Interface

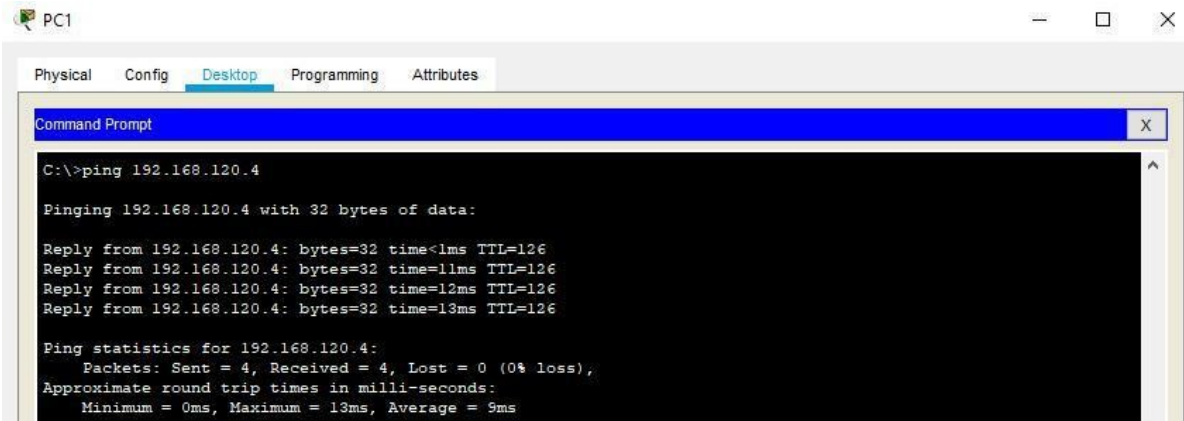
```
changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0,
changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0,
changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0,
changed state to up
Router(config-if)#exit
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

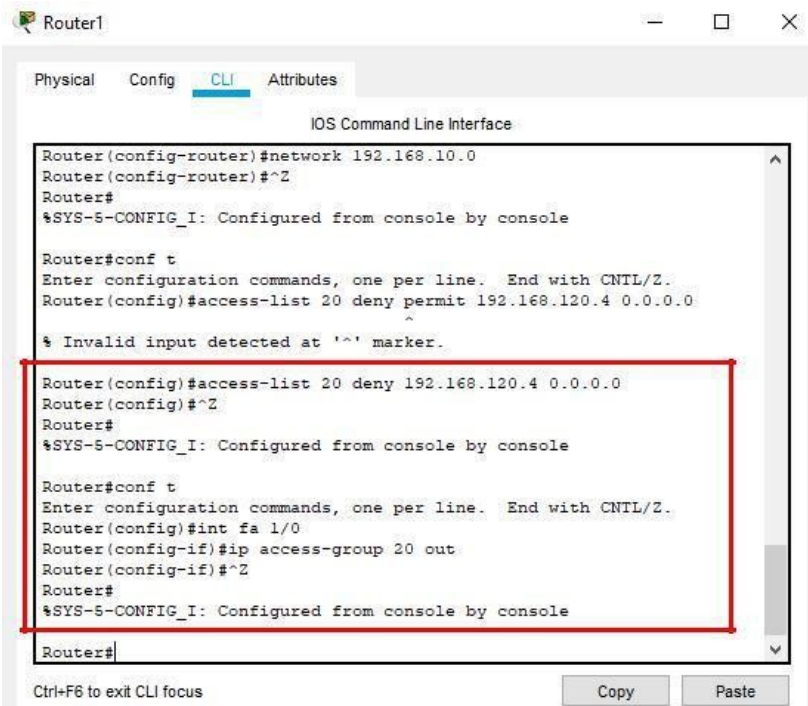
Copy Paste



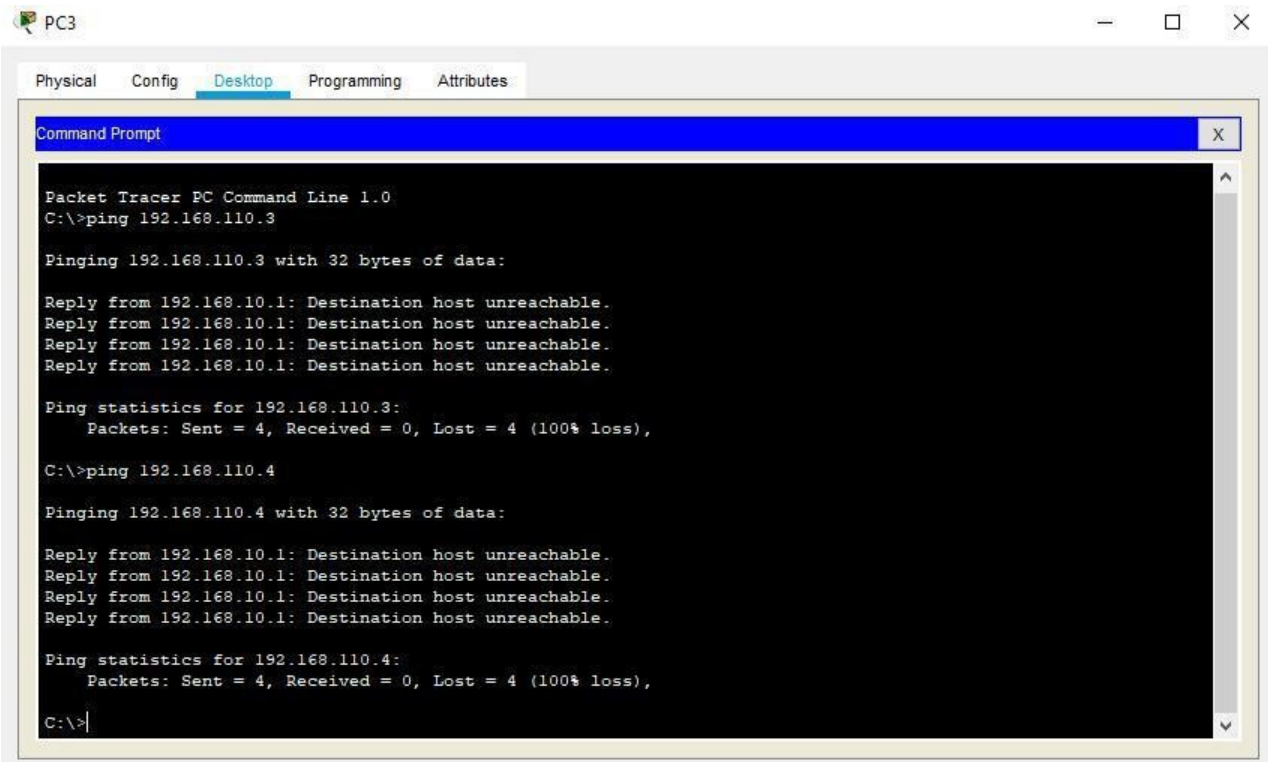
5. Untuk mengetest routing berhasil, ping PC1 ke PC4



6. Cara memblokir akses



7. Tes koneksi dari PC3 ke PC1 dan PC2



The screenshot shows a Packet Tracer PC Command Line window for PC3. The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a Command Prompt. The Command Prompt shows the following output:

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.110.3

Pinging 192.168.110.3 with 32 bytes of data:

Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.

Ping statistics for 192.168.110.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 192.168.110.4

Pinging 192.168.110.4 with 32 bytes of data:

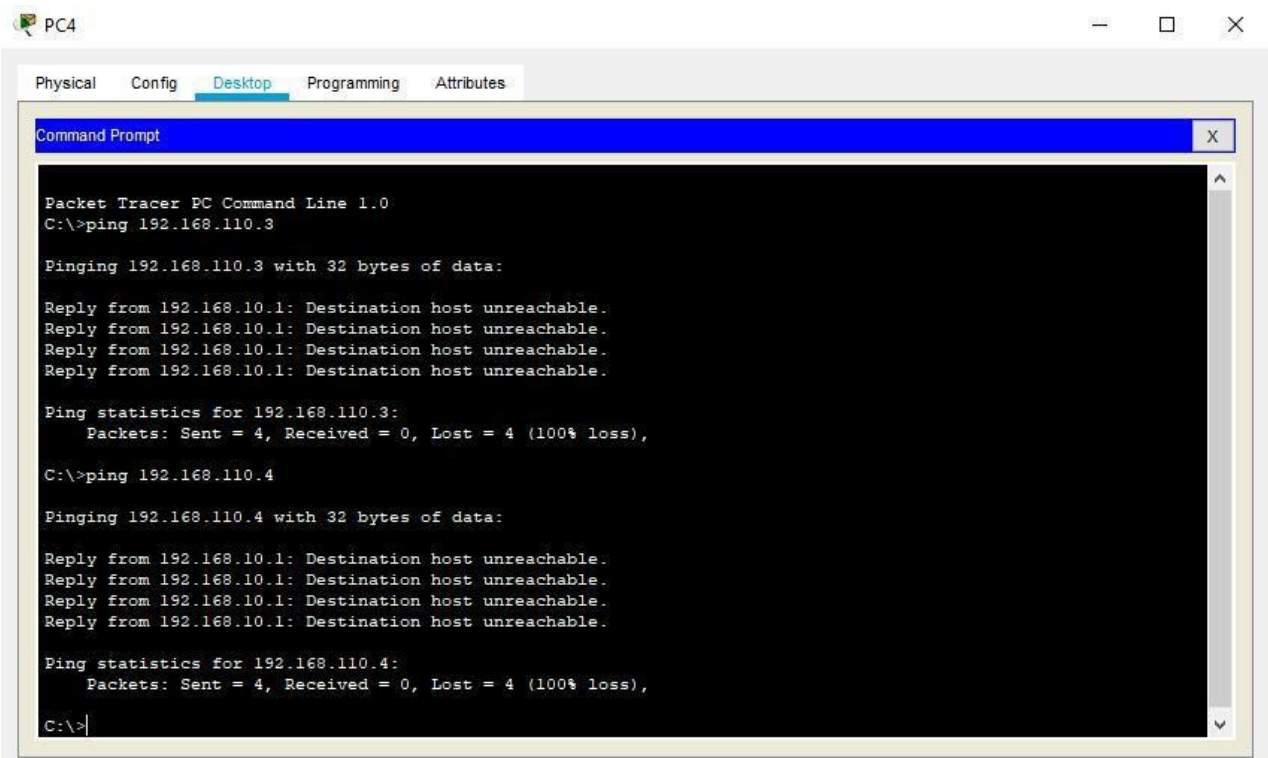
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.

Ping statistics for 192.168.110.4:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

Destination host unreachable menunjukkan bahwa akses dari PC3 ke PC1 maupun

PC2 sudah ter blokir 8. Tes koneksi dari PC4 ke PC1 dan PC2



The screenshot shows a Packet Tracer PC Command Line window for PC4. The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a Command Prompt. The Command Prompt shows the following output:

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.110.3

Pinging 192.168.110.3 with 32 bytes of data:

Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.

Ping statistics for 192.168.110.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 192.168.110.4

Pinging 192.168.110.4 with 32 bytes of data:

Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.

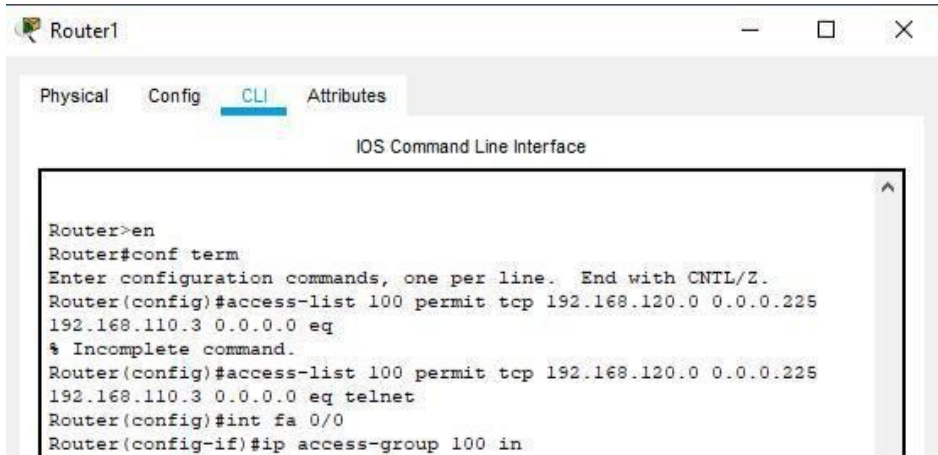
Ping statistics for 192.168.110.4:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

Destination host unreachable menunjukkan bahwa akses dari PC4 ke PC1 maupun PC2 sudah ter blokir

Kegiatan 2. Kegiatan Extended Access List

1. Konfigurasi mengizinkan paket telnet dari semua host yang ada di jaringan 192.168.120 ke host 192.168.110.3



The screenshot shows the CLI of Router1 with tabs for Physical, Config, CLI (selected), and Attributes. The IOS Command Line Interface text is displayed above the command prompt. The user enters 'en' to enter enable mode, then 'conf term' to enter configuration mode. They create an extended access list 100 to permit TCP traffic from 192.168.120.0/24 to 192.168.110.3 on port 225. After an incomplete command error, they complete it by adding 'eq telnet'. Finally, they apply the access list to the interface fa 0/0.

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#access-list 100 permit tcp 192.168.120.0 0.0.0.225
192.168.110.3 0.0.0.0 eq
% Incomplete command.
Router(config)#access-list 100 permit tcp 192.168.120.0 0.0.0.225
192.168.110.3 0.0.0.0 eq telnet
Router(config)#int fa 0/0
Router(config-if)#ip access-group 100 in
```

2. Melihat hasil konfigurasi



The screenshot shows the CLI of Router1 with the same tabs as the previous image. The user enters 'show access-list' to display the current configuration. The output shows a standard IP access list 20 denying traffic from 192.168.120.4 and an extended IP access list 100 permitting TCP traffic from 192.168.120.0/24 to 192.168.110.3 on port 225 for telnet.

```
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 0.0.0.225 host 192.168.110.3 eq
telnet
Router#
```