

Nama : Nur Aini Afdallah

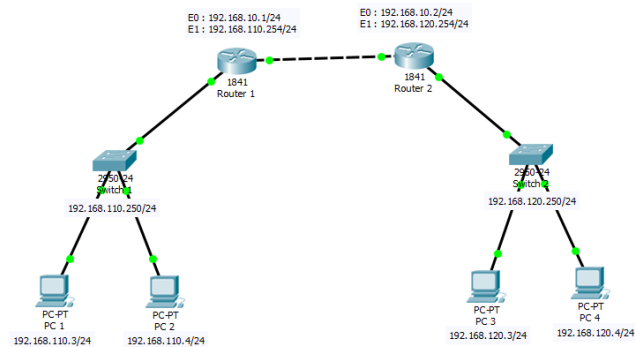
NIM : L200170107

Kelas : C

Modul : 8

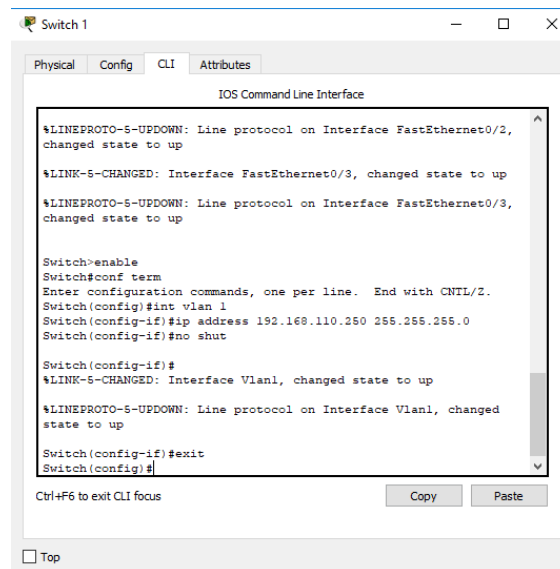
Kegiatan 1. Konfigurasi Access List

1. Rancangan Jaringan

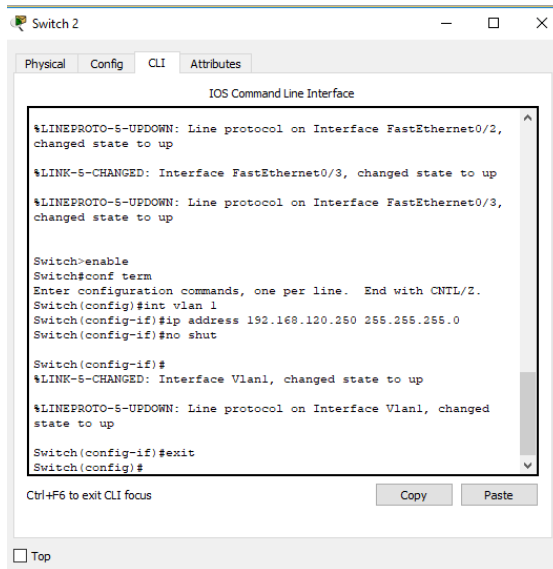


2. Konfigurasi alamat IP untuk switch

Switch 1

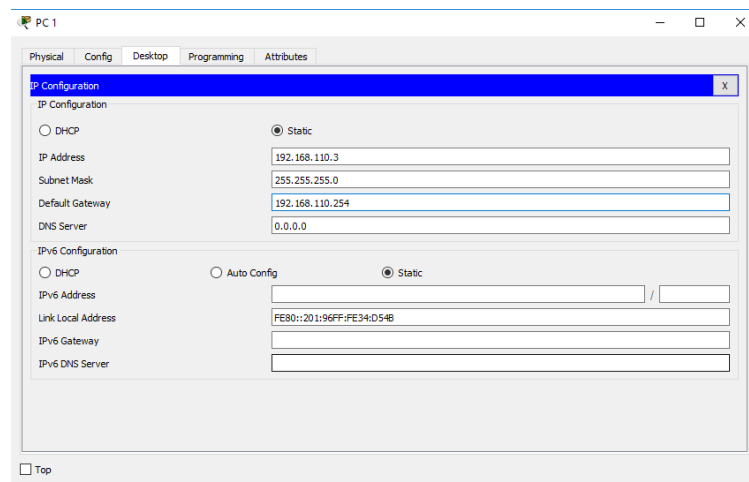


Switch 2

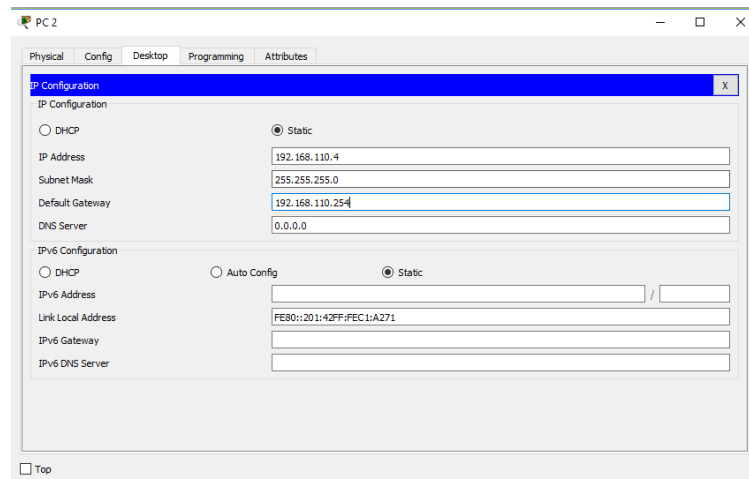


3. Memberikan alamat IP, subnet mask, dan default gateway pada masing masing komputer

PC 1



PC 2



PC 3

PC 3

Physical Config Desktop Programming Attributes

IP Configuration

☐ 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::201:63FF:FE1E:3343

IPv6 Gateway:

IPv6 DNS Server:

Top

PC 4

PC 4

Physical Config Desktop Programming Attributes

IP Configuration

☐ 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::2E0:F7FF:FE9B:5E65

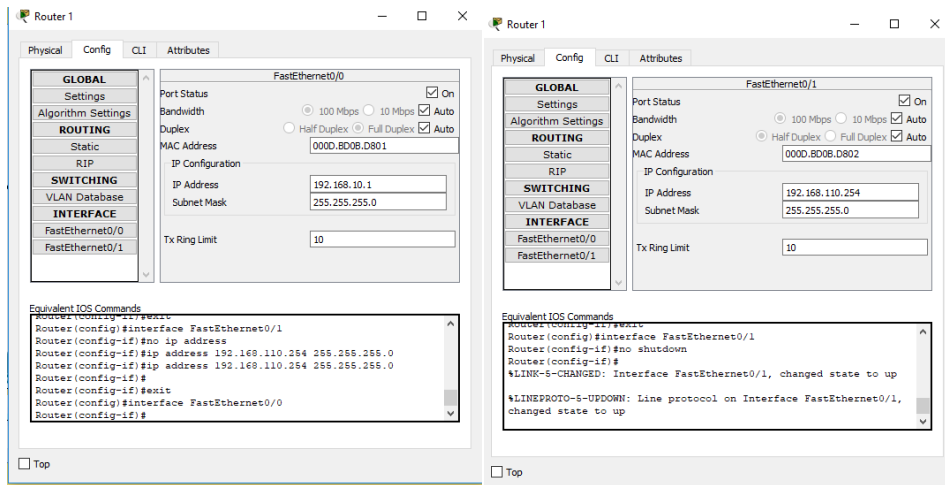
IPv6 Gateway:

IPv6 DNS Server:

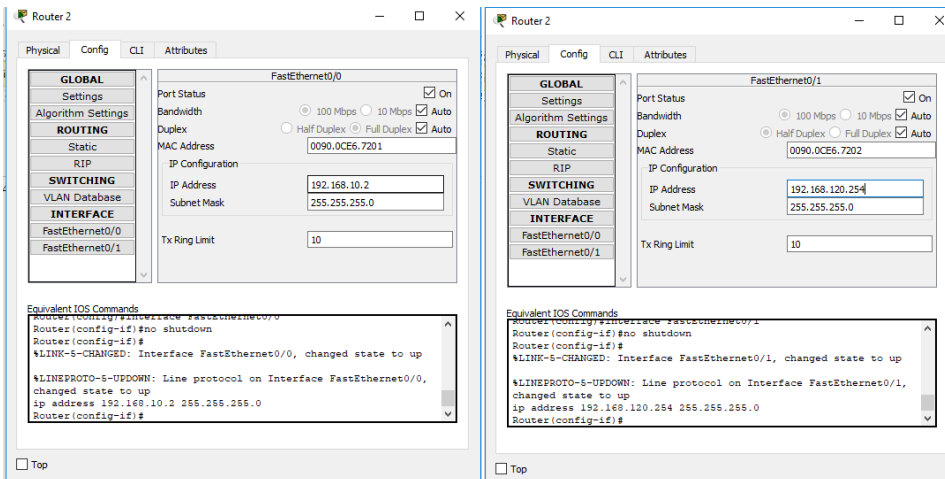
Top

4. Melakukan routing pada kedua jaringan

Router 1



Router 2



5. Membuat router RIP pada masing-masing router

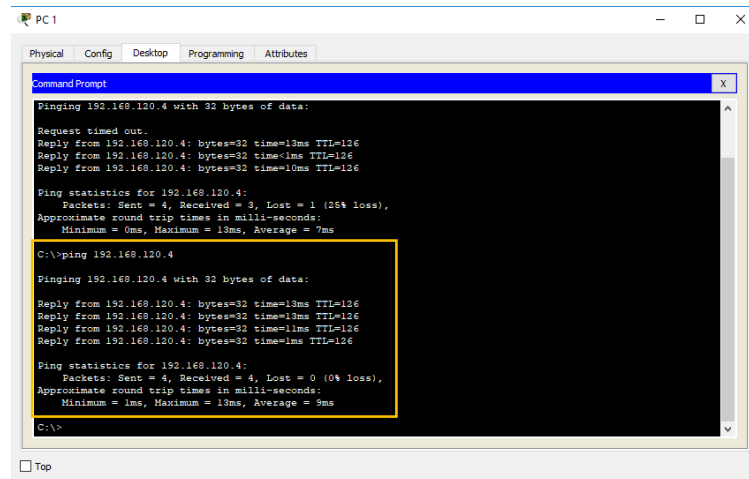
Router 1

```
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 2

```
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#network 192.168.120.0
Router(config-router)#network 192.168.10.0
Router(config-router)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

6. Tes koneksi dari PC 1 ke PC 4



```
PC 1
Physical Config Desktop Programming Attributes
Command Prompt
Pinging 192.168.120.4 with 32 bytes of data:
Request timed out.
Reply from 192.168.120.4: bytes=32 time=13ms TTL=126
Reply from 192.168.120.4: bytes=32 time=1ms TTL=126
Reply from 192.168.120.4: bytes=32 time=10ms 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 = 13ms, Average = 7ms

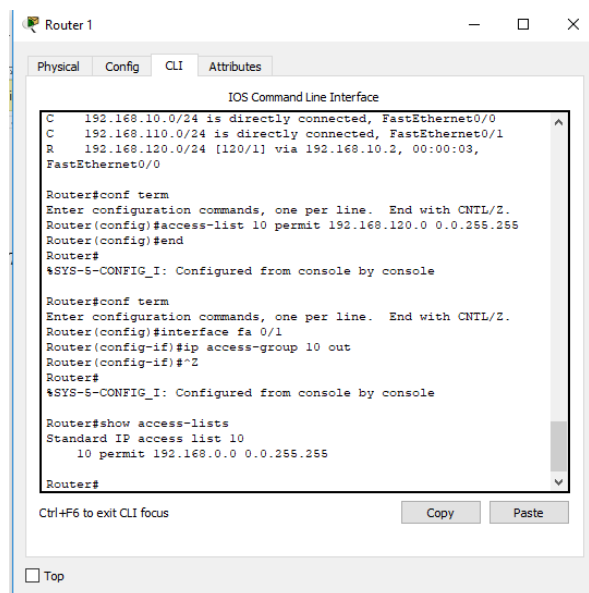
C:\>ping 192.168.120.4

Pinging 192.168.120.4 with 32 bytes of data:
Reply from 192.168.120.4: bytes=32 time=13ms TTL=126
Reply from 192.168.120.4: bytes=32 time=13ms 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 = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 13ms, Average = 9ms

C:\>
```

7. Melakukan access list dan menerapkannya ke router 1. Kemudian melihat konfigurasi access list tersebut pada router 1



```
Router 1
Physical Config CLI Attributes
IOS Command Line Interface
C 192.168.10.0/24 is directly connected, FastEthernet0/0
C 192.168.110.0/24 is directly connected, FastEthernet0/1
R 192.168.120.0/24 [120/1] via 192.168.10.2, 00:00:03,
FastEthernet0/0

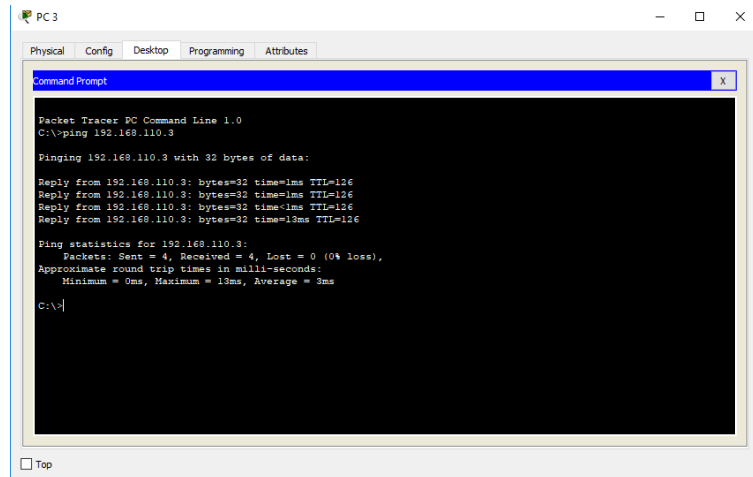
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#access-list 10 permit 192.168.120.0 0.0.255.255
Router(config)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface fa 0/1
Router(config-if)#ip access-group 10 out
Router(config-if)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#show access-lists
Standard IP access list 10
 10 permit 192.168.0.0 0.0.255.255

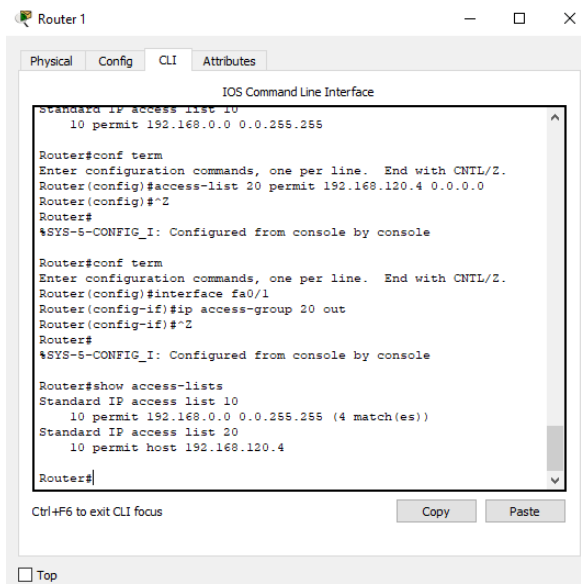
Router#
```

8. Melakukan tes koneksi antara PC 3 dan PC 1

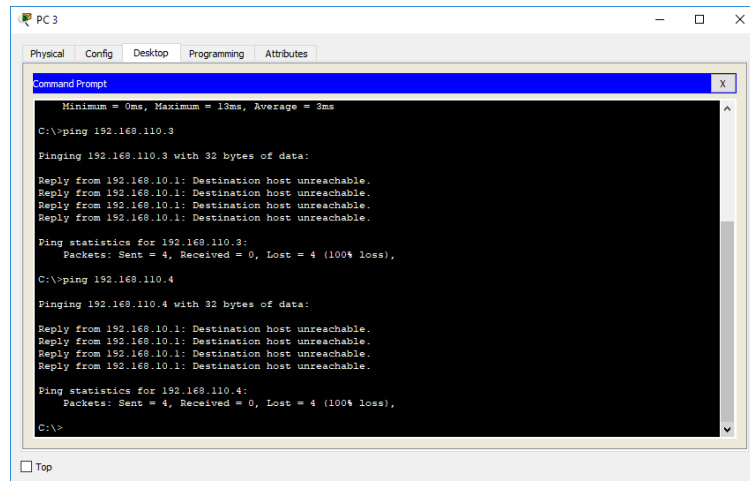


Menghasilkan Reply, jadi koneksi berhasil

9. Melakukan access list pada PC 4 dengan alamat IP 192.168.120.4 agar dapat mengakses jaringan 192.168.110.0



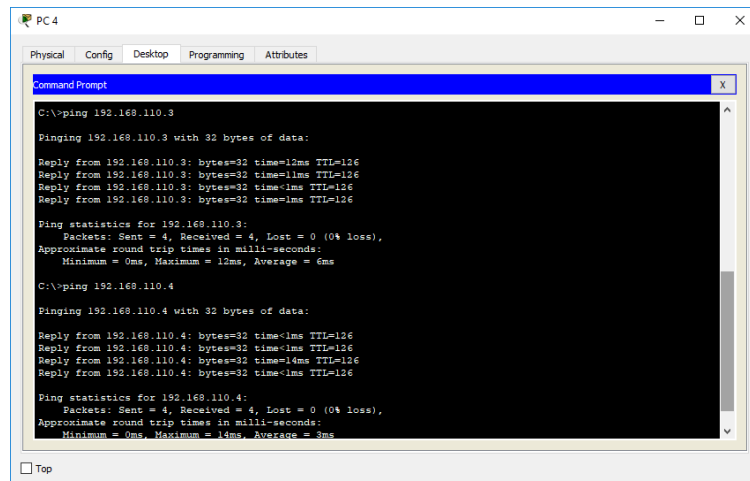
10. Melakukan tes koneksi dari PC 3 ke PC 1 dan PC 2



The screenshot shows a Windows Command Prompt window titled "PC 3". The window has tabs for "Physical", "Config", "Desktop", "Programming", and "Attributes". The Command Prompt displays the following text:

```
Minimum = 0ms, Maximum = 13ms, Average = 3ms  
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:\>
```

11. Melakukan tes koneksi dari PC 4 ke PC 1 dan PC 2

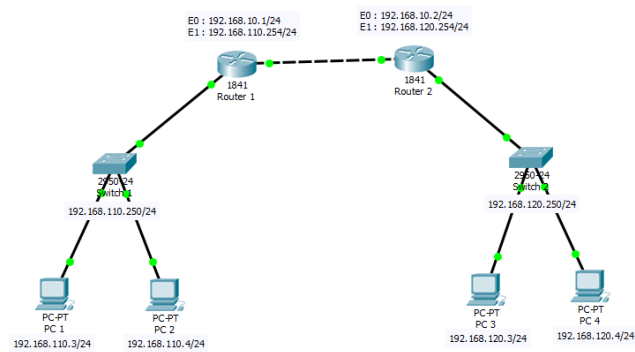


The screenshot shows a Windows Command Prompt window titled "PC 4". The window has tabs for "Physical", "Config", "Desktop", "Programming", and "Attributes". The Command Prompt displays the following text:

```
C:\>ping 192.168.110.3  
  
Pinging 192.168.110.3 with 32 bytes of data:  
Reply from 192.168.110.3: bytes=32 time=12ms TTL=126  
Reply from 192.168.110.3: bytes=32 time=11ms TTL=126  
Reply from 192.168.110.3: bytes=32 time=1ms TTL=126  
Reply from 192.168.110.3: bytes=32 time=1ms TTL=126  
  
Ping statistics for 192.168.110.3:  
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
Minimum = 0ms, Maximum = 12ms, Average = 6ms  
  
C:\>ping 192.168.110.4  
  
Pinging 192.168.110.4 with 32 bytes of data:  
Reply from 192.168.110.4: bytes=32 time=1ms TTL=126  
Reply from 192.168.110.4: bytes=32 time=1ms TTL=126  
Reply from 192.168.110.4: bytes=32 time=14ms TTL=126  
Reply from 192.168.110.4: bytes=32 time=1ms TTL=126  
  
Ping statistics for 192.168.110.4:  
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
Minimum = 0ms, Maximum = 14ms, Average = 3ms
```

Kegiatan 2. Konfigurasi Extended Access List

1. Rancangan Jaringan



2. Melakukan konfigurasi extended access list

