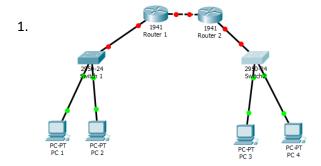
NAMA : NOVI TRISTANTI

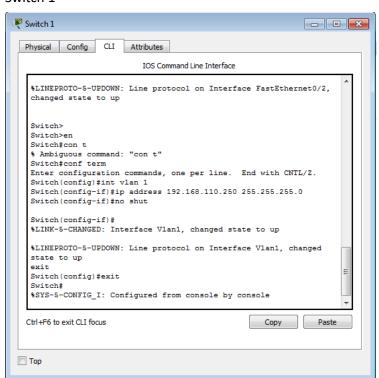
NIM : L200170167

KELAS : D

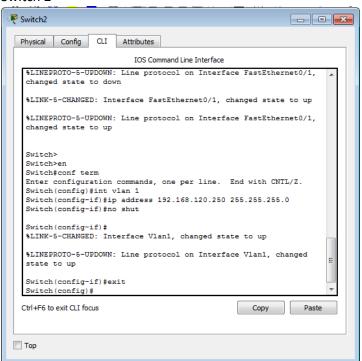
KEGIATAN 1



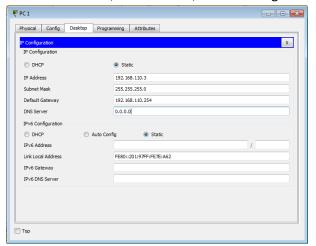
2. Berikan alamat IP kepada switch 1 dan switch 2 Switch 1

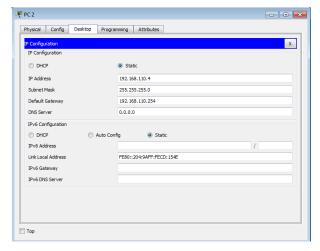


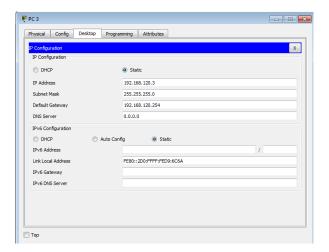
Switch 2

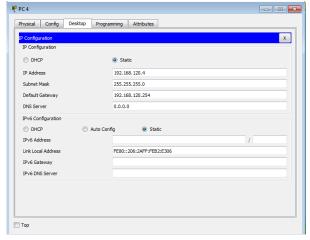


3. Berikan alamat IP, subnet mask, dan default gateway pada masing-masing komputer.

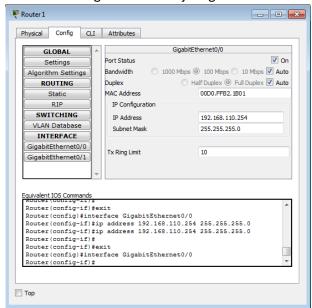


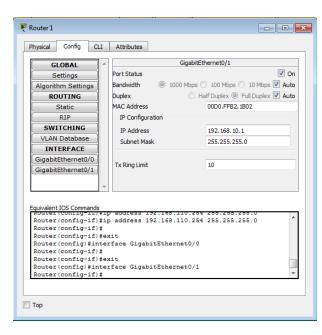


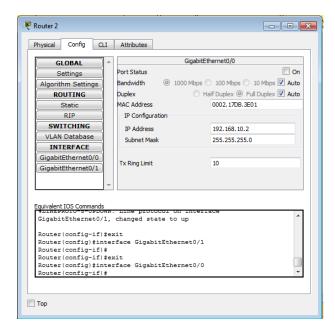


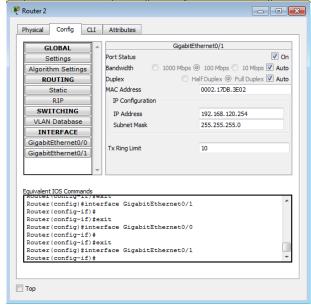


4. Lakukan rooting untuk kedua jaringan

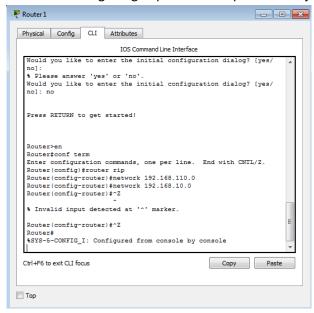


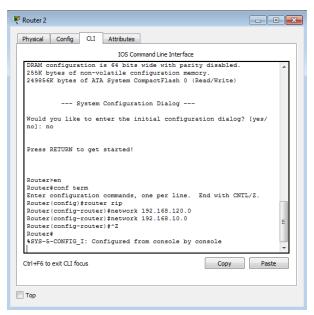




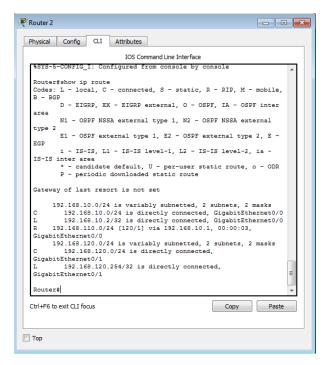


5. Gunakan routing dengan protokol RIP pada kedua jaringan





6. Lakukan pengecekan tabel routing



7. Ping PC1 ke PC4

```
Physical Config Desktop Programming Attributes

Command Prompt

Finging 192.168.120.4 with 32 bytes of data:

Request timed out.

Reply from 192.168.120.4: bytes=32 time=lms TTL=16

Reply from 192.168.120.4: bytes=32 time<lms TTL=126

Reply from 192.168.120.4: bytes=32 time<lms TTL=126

Reply from 192.168.120.4: bytes=32 time<lms TTL=126

Ping statistics for 192.168.120.4:

Fackets: Sent = 4, Received = 3, Lost = 1 (25% loss), Approximate round trip times in milli-seconds:

Minimum = Oms, Maximum = lms, Average = Oms

C:\>ping 192.168.120.4 with 32 bytes of data:

Reply from 192.168.120.4 bytes=32 time<lms TTL=126

Reply from 192.168.120.4: bytes=32 time</li>

Reply from 192.168.120.4: bytes=32 time<lms TTL=126

Reply from 192.168.120.4: bytes=32 time</li>

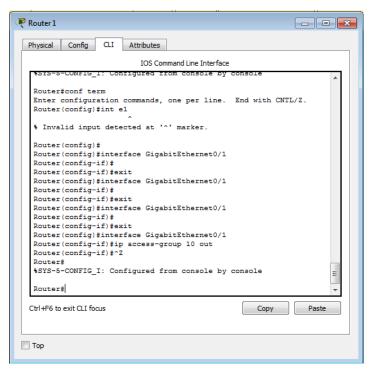
Reply from 192.168.120.4: bytes=32 time

Reply fro
```

8. Tentukan access list yang akan ditetapkan dalam jarinfan tersebut. Sebagai contoh dari router 1 kita kana mengijinkan semua host dari jaringan 192.168.120.0 dapat mengakses jaringan 192.168.100.0

```
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
```

9. Selanjutnya tetapkan access list tersebut ke interface router 1 dalam hal ini interface e1 yang mengarah ke dalam jaringan 192.168.110.0



10. Lihat konfigurasi access list tersebut pada router 1

```
Router#

%SYS-5-CONFIG_I: Configured from console by console

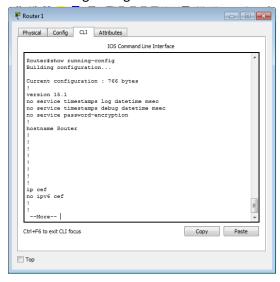
Router#show access-lists

Standard IP access list 10

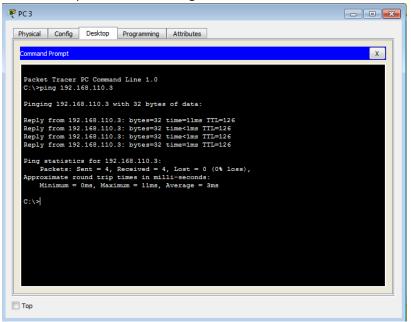
10 permit 192.168.0.0 0.0.255.255
```

Router#

11. Selanjutnya perhatikan juga konfigurasi access list tersebut pada ethernet 1 dengan perintah show running-config



12. Lakukan tes pin antara PC3 dengan PC1



13. Terapkan access list 20 tersebut ke interface enthernet 1 pada router 1

```
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #access-list 20 permit 192.168.120.4 0.0.0.0
Router(config) #^Z
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) #
Router(config) #interface GigabitEthernet0/1
Router(config-if)#
Router(config-if) #exit
Router(config) #interface GigabitEthernet0/1
Router(config-if) #ip access-group 20 out
Router(config-if) #^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

14. Lakukan tes koneksi dari PC3 ke PC1 dan PC2

```
C:\ping 192.168.110.3

Pinging 192.168.110.3 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

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:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Request timed out.
```

15. Lakukan tes koneksi dengan ping dari PC4 ke PC1 dan PC2

```
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=2ms TTL=126

Reply from 192.168.110.4: bytes=32 time<1ms 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 = 2ms, Average = 0ms
```

KEGIATAN 2

1. melakukan konfigurasi extended access list dengan mengijinkan (permit) paket telnet dari semua host vang ada di iaringan 192.168.120.0 ke host 192.168.110.3

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 0.0.0.255 192.168.110.3 0.0.0.0 eq telnet Router(config)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console

2. Menerapkan access list ke interface router

Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/1
Router(config-if)#ip access-group 100 in
Router(config-if)#^Z
Router#
%SYS-5-CONFIG I: Configured from console by console