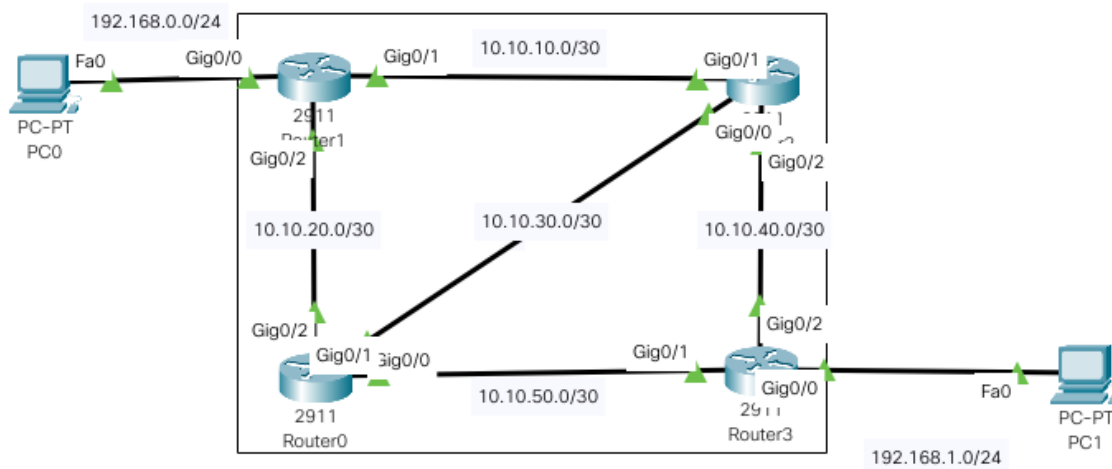


Praktikum 4

Routing Extended Interior Gateway Protocol

| NO | KETERANGAN |
|----------|---|
| 1 | Buatlah Topologi dengan Packet Tracer sebagai berikut |



| | |
|----------|---|
| 2 | Berikan IP kepada Router 2911 dan PC sebagai berikut |
|----------|---|

Router0:

GigabitEthernet0/0 - 10.10.30.2 255.255.255.252

GigabitEthernet0/1 - 10.10.50.1 255.255.255.252

GigabitEthernet0/2 - 10.10.20.2 255.255.255.252

Router1:

GigabitEthernet0/0 - 192.168.0.1 255.255.255.0

GigabitEthernet0/1 - 10.10.10.1 255.255.255.252

GigabitEthernet0/2 - 10.10.20.1 255.255.255.252

Router2:

GigabitEthernet0/0 - 10.10.30.1 255.255.255.252

GigabitEthernet0/1 - 10.10.10.2 255.255.255.252

GigabitEthernet0/2 - 10.10.40.1 255.255.255.252

Router3:

GigabitEthernet0/0 - 192.168.1.1 255.255.255.0

GigabitEthernet0/1 - 10.10.50.2 255.255.255.252

GigabitEthernet0/2 - 10.10.40.2 255.255.255.252

PC0 : 192.168.0.2 255.255.255.0, GW: 192.168.0.1
PC1 : 192.168.1.2 255.255.255.0, GW: 192.168.1.1

3 | Konfigurasi EIGRP Routing

Router0:
Router>ena
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router eigrp 1
Router(config-router)#net 10.10.20.0
Router(config-router)#net 10.10.30.0
Router(config-router)#net 10.10.50.0

Router1:
Router>ena
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router eigrp 1
Router(config-router)#net 10.10.10.0
Router(config-router)#net 10.10.20.0
Router(config-router)#net 192.168.0.0

Router2:
Router>ena
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router eigrp 1
Router(config-router)#net 10.10.10.0
Router(config-router)#net 10.10.30.0
Router(config-router)#net 10.10.40.0

Router3:
Router>ena
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router eigrp 1
Router(config-router)#net 10.10.40.0
Router(config-router)#net 10.10.50.0
Router(config-router)#net 192.168.1.0





4 | Cek Router Untuk Keberhasilan Routing, **show ip route**. Contoh: Router0

Gateway of last resort is not set

10.0.0.0/8 is variably subnetted, 8 subnets, 2 masks

- D 10.10.10.0/30 [90/3072] via 10.10.30.1, 00:14:47, GigabitEthernet0/0
[90/3072] via 10.10.20.1, 00:14:46, GigabitEthernet0/2
- C 10.10.20.0/30 is directly connected, GigabitEthernet0/2
- L 10.10.20.2/32 is directly connected, GigabitEthernet0/2
- C 10.10.30.0/30 is directly connected, GigabitEthernet0/0
- L 10.10.30.2/32 is directly connected, GigabitEthernet0/0
- D 10.10.40.0/30 [90/3072] via 10.10.50.2, 00:14:47, GigabitEthernet0/1
[90/3072] via 10.10.30.1, 00:14:47, GigabitEthernet0/0
- C 10.10.50.0/30 is directly connected, GigabitEthernet0/1
- L 10.10.50.1/32 is directly connected, GigabitEthernet0/1
- D 192.168.0.0/24 [90/5376] via 10.10.20.1, 00:14:46, GigabitEthernet0/2
- D 192.168.1.0/24 [90/5376] via 10.10.50.2, 00:14:47, GigabitEthernet0/1

5 Tes PING dari Ujung ke Ujung, dan Pastikan Sukses

| | | | | | | | | |
|--|------------|-----|-----|------|--|-------|---|---|
|  | Successful | PC0 | PC1 | ICMP |  | 0.000 | N | 0 |
|  | Successful | PC0 | PC1 | ICMP |  | 0.000 | N | 1 |

6 Selesai