LAPORAN PRAKTIKUM JARINGAN KOMPUTER MODUL 7

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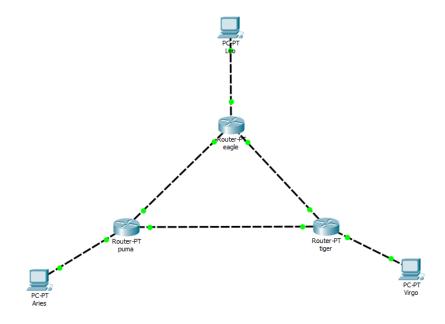
Kelas : A

Nim : L200170024

Kegiatan Praktikum

Kegiatan 1. Topologi 1 (Static Routing)

1. Menggunakan Packet Tracer buat topologi berikut ini dengan menggunakan Router generic.

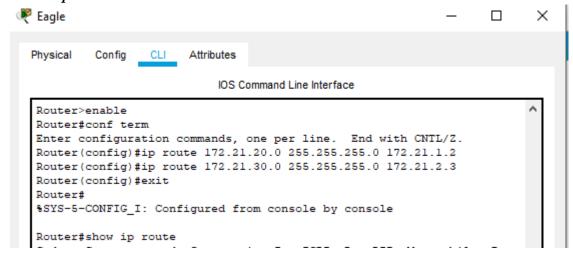


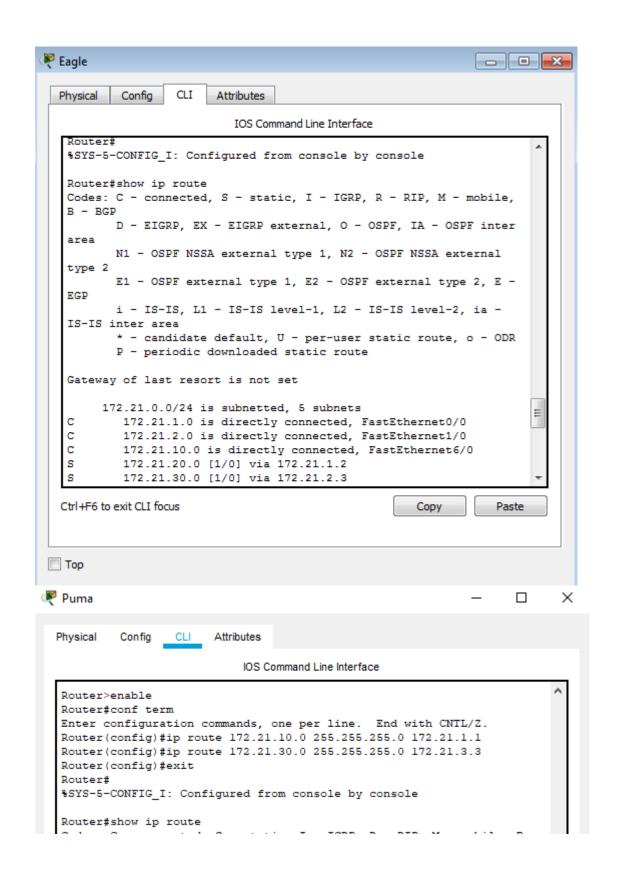
- 2. Beri nama masing-masing router dengan eagle (router 1), puma (router 2), dan tiger (router 3).
- 3. Konfigurasi masing-masing interface pada tiap Router dengan alamat IP berikut ini :
 - Eagle (ethernet 0) = 172.21.10.10/24
 - Eagle (serial 0) = 172.21.1.1/24
 - Eagle (serial 1) = 172.21.2.1/24

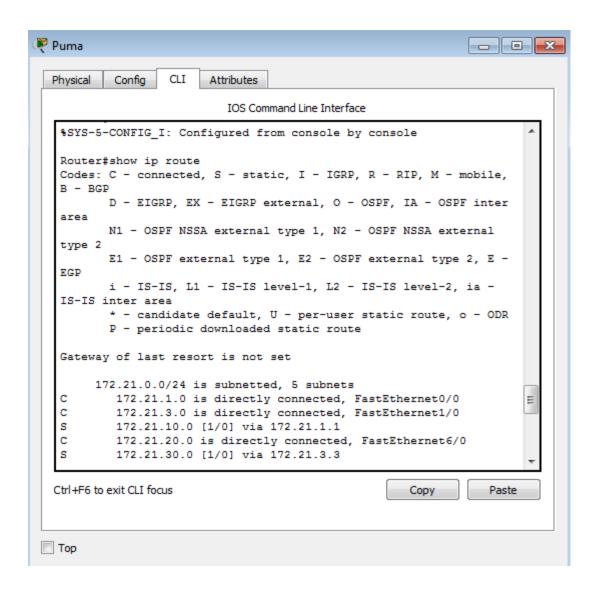
- Puma (ethernet 0) = 172.21.20.20/24
- Puma (serial 0) = 172.21.1.2/24
- Puma (serial 1) = 172.21.3.2/24
- Tiger (ethernet 0) = 172.21.30.30/24
- Tiger (serial 0) = 172.21.2.3/24
- Tiger (serial 1) = 172.21.3.3/24
- 4. Pada mode user atau ode privileged, tambahkan route table pada masing-masing router untuk setiap alamat jaringan yang tidak terhubung secara langsung dengan interface router.

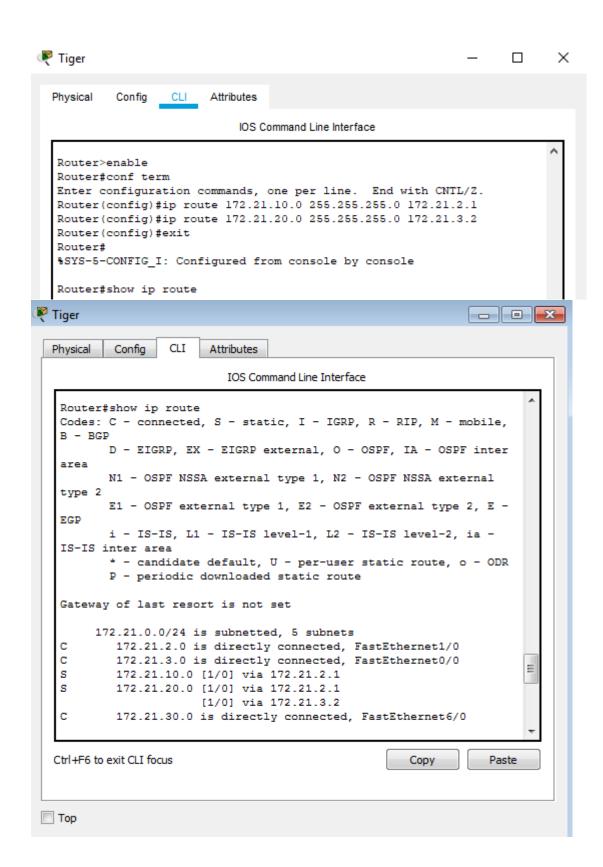
Langkah pengoperasian (hanya untuk router eagle), konfigurasi router lain menggunakan langkah yang sama dengan alamat jaringan yang berbeda)

- Masuk mode configuration
- Ketik *ip route 172.21.20.0 255.255.255.0 172.21.1.2*
- Ketik ip route 172.21.30.0 255.255.255.0 172.21.2.3









5. Hasil Ping dari PC Aries ke router eagle dan PC Virgo ke router eagle.

```
C:\>ping 172.21.20.21
Pinging 172.21.20.21 with 32 bytes of data:
Reply from 172.21.20.21: bytes=32 time=1ms TTL=126
Reply from 172.21.20.21: bytes=32 time<1ms TTL=126
Reply from 172.21.20.21: bytes=32 time<1ms TTL=126 Reply from 172.21.20.21: bytes=32 time<1ms TTL=126
Ping statistics for 172.21.20.21:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>ping 172.21.30.31
Pinging 172.21.30.31 with 32 bytes of data:
Reply from 172.21.30.31: bytes=32 time=1ms TTL=126
Reply from 172.21.30.31: bytes=32 time<1ms TTL=126
Reply from 172.21.30.31: bytes=32 time<1ms TTL=126
Reply from 172.21.30.31: bytes=32 time=1ms TTL=126
Ping statistics for 172.21.30.31:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = Oms, Maximum = 1ms, Average = Oms
```

Hasil ping dari PC leo ke router Puma.

```
C:\>ping 172.21.10.11

Pinging 172.21.10.11 with 32 bytes of data:

Reply from 172.21.10.11: bytes=32 time=1ms TTL=126

Reply from 172.21.10.11: bytes=32 time<1ms TTL=126

Reply from 172.21.10.11: bytes=32 time<1ms TTL=126

Reply from 172.21.10.11: bytes=32 time<1ms TTL=126

Ping statistics for 172.21.10.11:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

Hasil ping dari PC virgo ke router Puma.

```
C:\>ping 172.21.30.31

Pinging 172.21.30.31 with 32 bytes of data:

Reply from 172.21.30.31: bytes=32 time=1ms TTL=126
Reply from 172.21.30.31: bytes=32 time=1ms TTL=125
Reply from 172.21.30.31: bytes=32 time<1ms TTL=126
Reply from 172.21.30.31: bytes=32 time=1ms TTL=125

Ping statistics for 172.21.30.31:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms</pre>
```

Hasil ping dari PC leo ke router Tiger dan PC Aries ke router Tiger.

```
Pinging 172.21.10.11 with 32 bytes of data:
Reply from 172.21.10.11: bytes=32 time=1ms TTL=126
Reply from 172.21.10.11: bytes=32 time<1ms TTL=126
Reply from 172.21.10.11: bytes=32 time<1ms TTL=126
Reply from 172.21.10.11: bytes=32 time<1ms TTL=126
Ping statistics for 172.21.10.11:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = Oms, Maximum = 1ms, Average = Oms
C:\>ping 172.21.20.21
Pinging 172.21.20.21 with 32 bytes of data:
Reply from 172.21.20.21: bytes=32 time=1ms TTL=126
Reply from 172.21.20.21: bytes=32 time<1ms TTL=126
Reply from 172.21.20.21: bytes=32 time<1ms TTL=126
Reply from 172.21.20.21: bytes=32 time=1ms TTL=126
Ping statistics for 172.21.20.21:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = Oms, Maximum = 1ms, Average = Oms
```