

**LAPORAN**  
**PRAKTIKUM JARINGAN DAN KOMPUTER**  
**( MODUL 7 )**  
**“STATIC ROUTE, RIP DAN IGRP”**



**Disusun oleh :**

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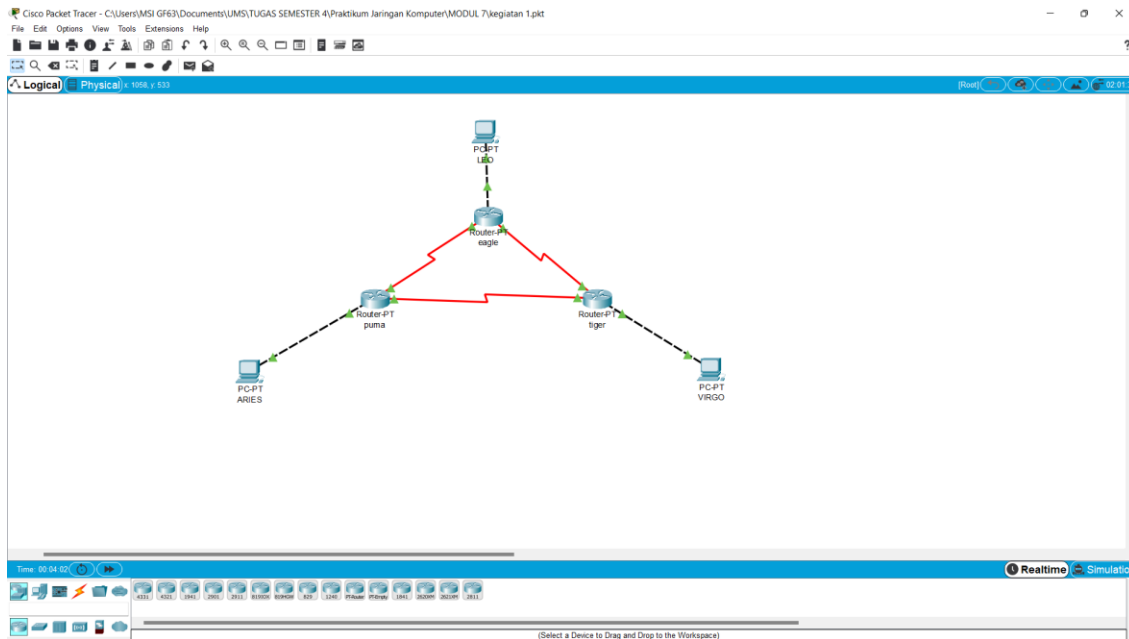
**NIM : L200200106**

**KELAS : C**

**INFORMATIKA**  
**FAKULTAS KOMUNIKASI DAN INFORMATIKA**  
**UNIVERSITAS MUHAMMADIYAH SURAKARTA**  
**TAHUN 2021/2022**

## Kegiatan 2. RIP (Routing Information Protocol)

### a) Topologi



b) Load konfigurasi seluruh device yang disimpan pada langkah 6 Kegiatan 1.

c) Pada mode configuration, konfigurasi routing RIP pada router eagle.

- Langkah pengoperasian
  - Masuk mode configuration
  - Ketik router rip
  - Ketik network 172.21.0.0

```
IOS Command Line Interface
63488K bytes of ATA CompactFlash (Read/Write)
Press RETURN to get started!

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up
%LINK-5-CHANGED: Interface Serial3/0, changed state to up
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0,
changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0,
changed state to up

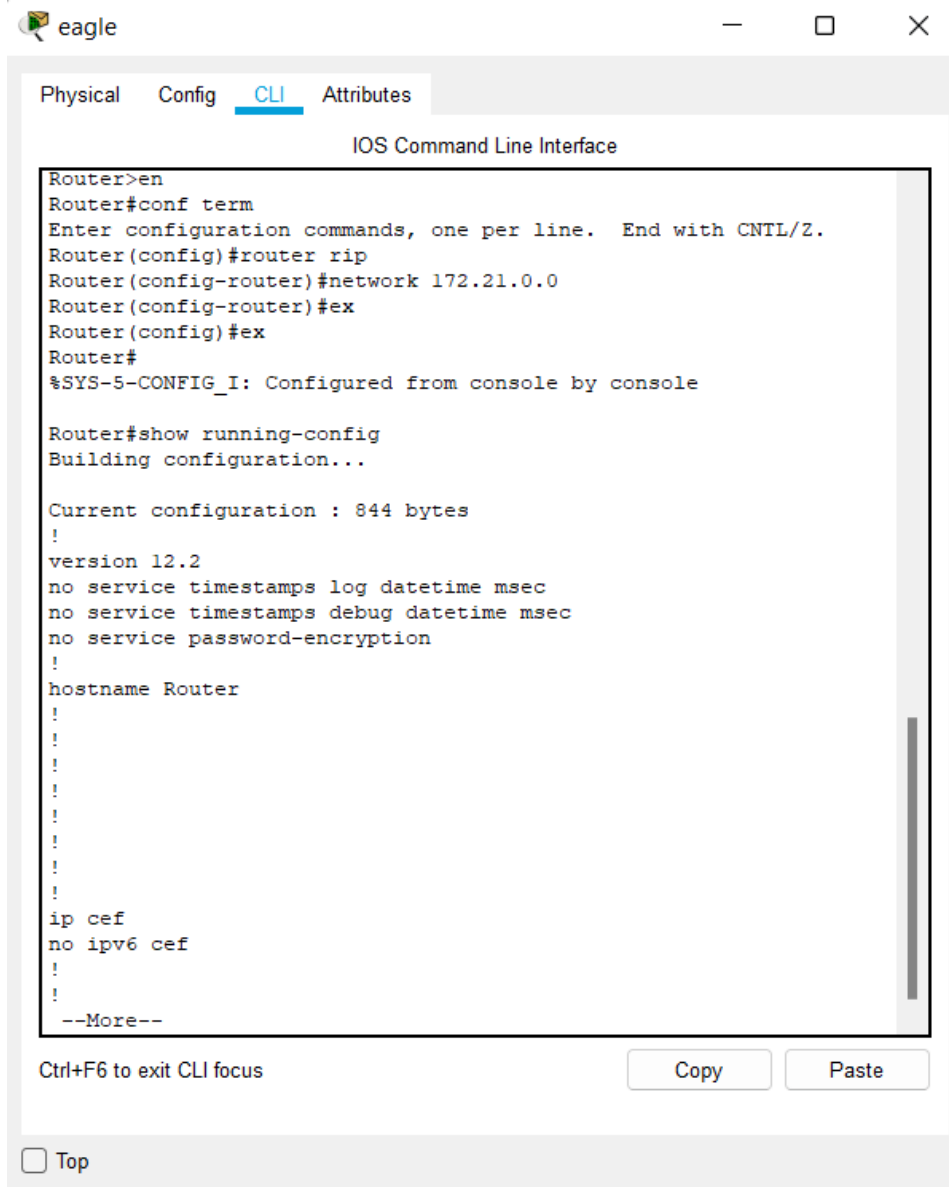
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 172.21.0.0
Router(config-router)#
```

Ctrl+F6 to exit CLI focus

Copy Paste

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- d) Lihat konfigurasi routing IGRP yang telah dibuat dengan perintah “ show running-config” pada mode user. Perhatikan konfigurasi pada bagian “ router rip”.

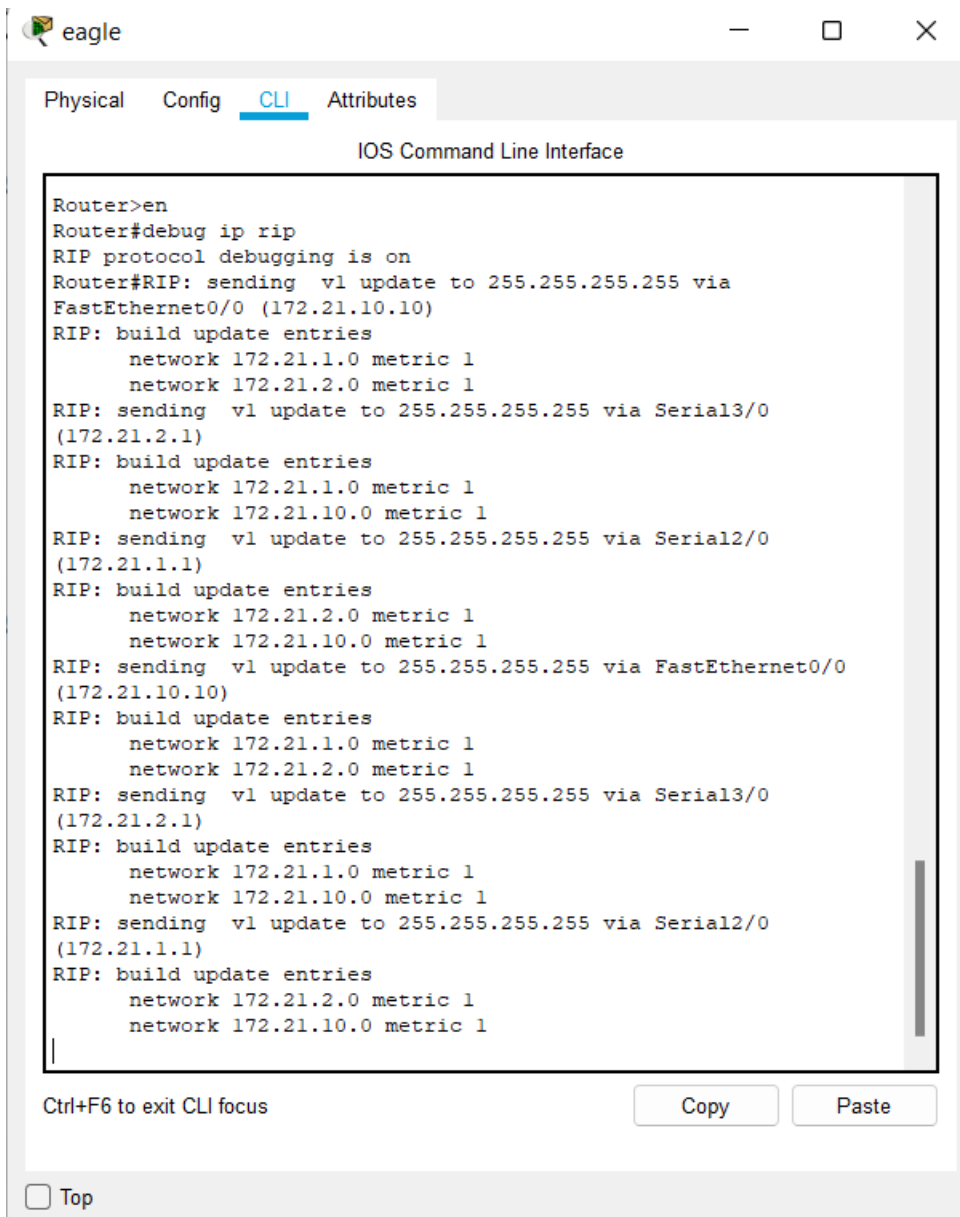


```
Router>en
Router#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 172.21.0.0
Router(config-router)#ex
Router(config)#ex
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#show running-config
Building configuration...

Current configuration : 844 bytes
!
version 12.2
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Router
!
!
!
!
!
!
!
!
ip cef
no ipv6 cef
!
!
--More--
```

- **Tugas 4A:** Nomor alamat jaringan route rip adalah 172.21.0.0
  - **Tugas 4B:** Kenapa tidak didaftarkan? Karena pada saat proses routing RIP hanya network 172.21.0.0 saja yang didaftarkan, untuk e0, s0, dan s1 tidak didaftarkan.
- e) Lihat proses update routing RIP pada router eagle dengan perintah “ debug ip rip” pada mode user. Tunggu beberapa saat untuk melihat proses yang terjadi.



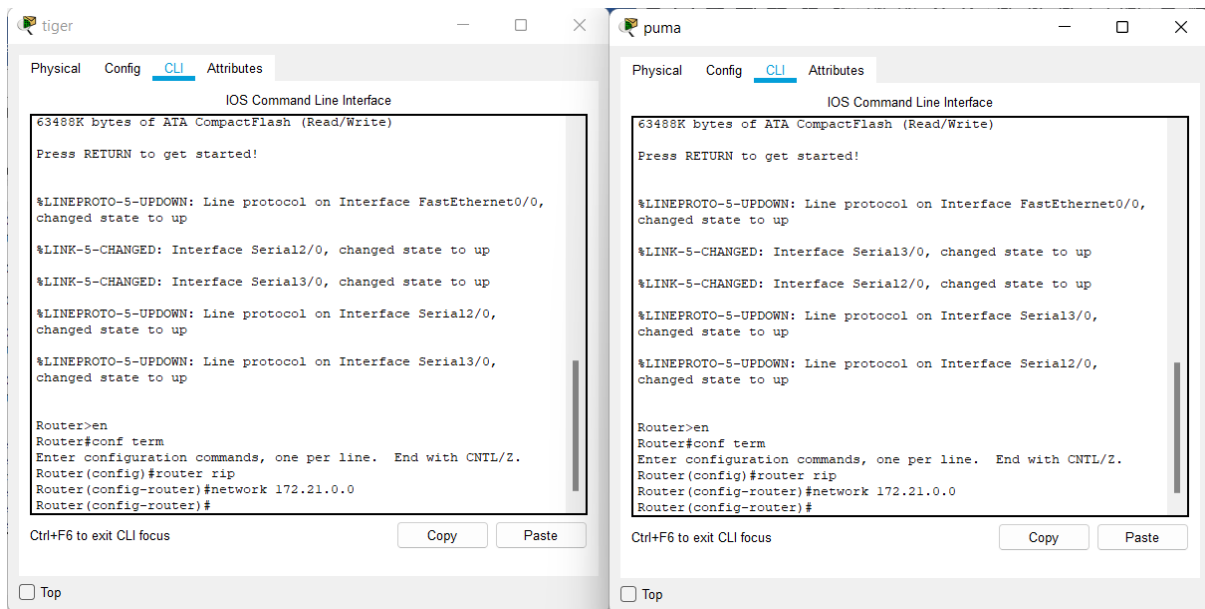
```
Router>en
Router#debug ip rip
RIP protocol debugging is on
Router#RIP: sending v1 update to 255.255.255.255 via
FastEthernet0/0 (172.21.10.10)
RIP: build update entries
    network 172.21.1.0 metric 1
    network 172.21.2.0 metric 1
RIP: sending v1 update to 255.255.255.255 via Serial3/0
(172.21.2.1)
RIP: build update entries
    network 172.21.1.0 metric 1
    network 172.21.10.0 metric 1
RIP: sending v1 update to 255.255.255.255 via Serial2/0
(172.21.1.1)
RIP: build update entries
    network 172.21.2.0 metric 1
    network 172.21.10.0 metric 1
RIP: sending v1 update to 255.255.255.255 via FastEthernet0/0
(172.21.10.10)
RIP: build update entries
    network 172.21.1.0 metric 1
    network 172.21.2.0 metric 1
RIP: sending v1 update to 255.255.255.255 via Serial3/0
(172.21.2.1)
RIP: build update entries
    network 172.21.1.0 metric 1
    network 172.21.10.0 metric 1
RIP: sending v1 update to 255.255.255.255 via Serial2/0
(172.21.1.1)
RIP: build update entries
    network 172.21.2.0 metric 1
    network 172.21.10.0 metric 1
```

Ctrl+F6 to exit CLI focus

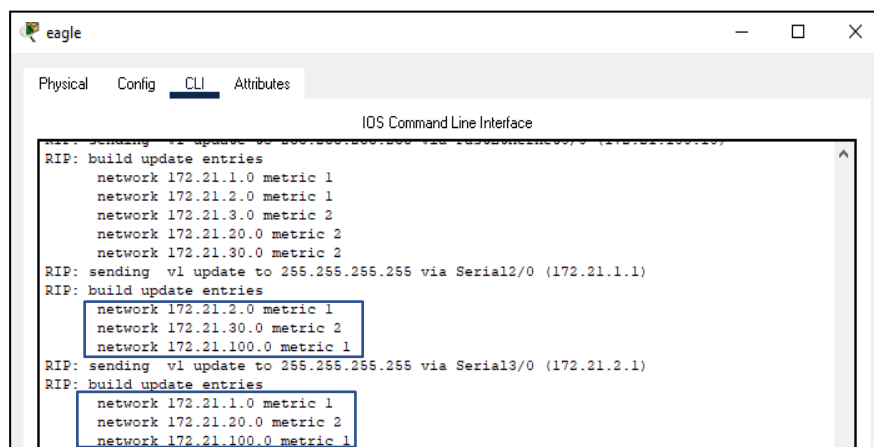
Copy Paste

☐ Top

- **Tugas 5A:** Update dari sent dan received melalui interface router ditampilkan di terminal. Jika network tidak berubah, informasi debug akan terus berulang setiap saat. Di atas router mengirim pembaharuan v1, pada Ethernet0 interface RIP dikirim sebagai broadcast ke alamat multicast sehingga router meng“advertising” ke alamat 255.255.255.255. Pada output di atas, router mengklaim dapat menjangkau 3 network.
- f) Lakukan konfigurasi routing RIP pada router puma dan tiger. Perhatikan proses update routing RIP pada router eagle ketika konfigurasi router puma dan tiger dilakukan.



- Perintah debug ip rip



- **Tugas 6A:** Langkah konfigurasi RIP pada Puma dan Tiger:
  - enable/en
  - configure terminal/conf term
  - router rip
  - network 172.21.0.0
- **Tugas 6B:**

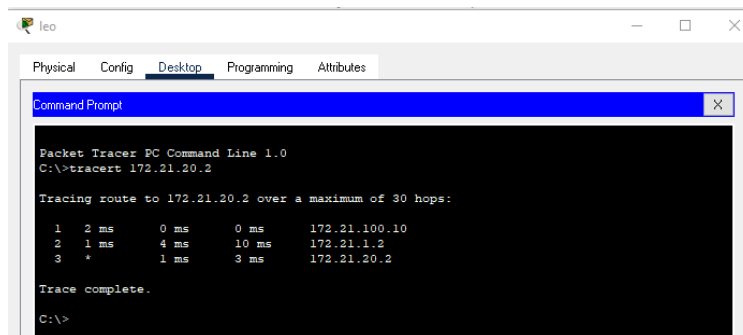
```

RIP: sending v1 update to 255.255.255.255 via Serial2/0 (172.21.1.1)
RIP: build update entries
  network 172.21.2.0 metric 1
  network 172.21.30.0 metric 2
  network 172.21.100.0 metric 1
RIP: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.2.1)
RIP: build update entries
  network 172.21.1.0 metric 1
  network 172.21.20.0 metric 2
  network 172.21.100.0 metric 1
  
```

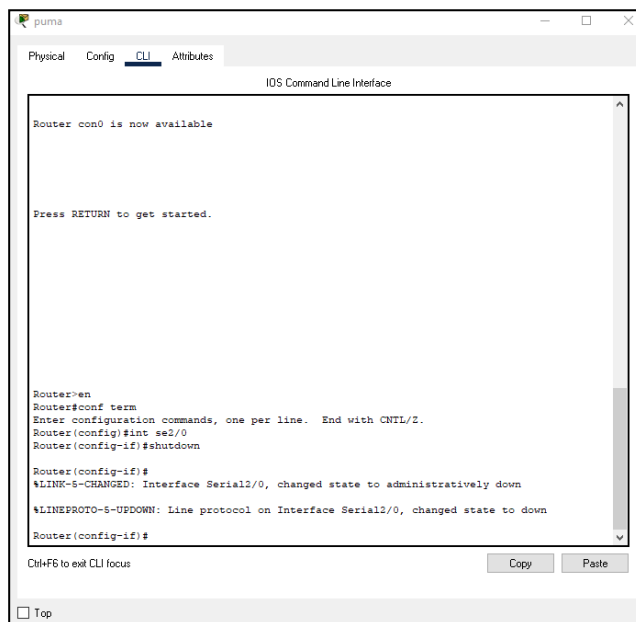
Pada saat routing RIP dilakukan pada Puma dan Tiger, maka akan terjadi:

- 1) Version1/v1 mengirimkan update ke 255.255.255.255 via Serial3/0 (172.21.2.1), yang dimana akan mengupdate network 172.21.20.0 (milik Tiger).
- 2) Version1/v1 mengirimkan update ke 255.255.255.255 via Serial2/0 (172.21.1.1), yang dimana akan mengupdate network 172.21.30.0 (milik Puma).

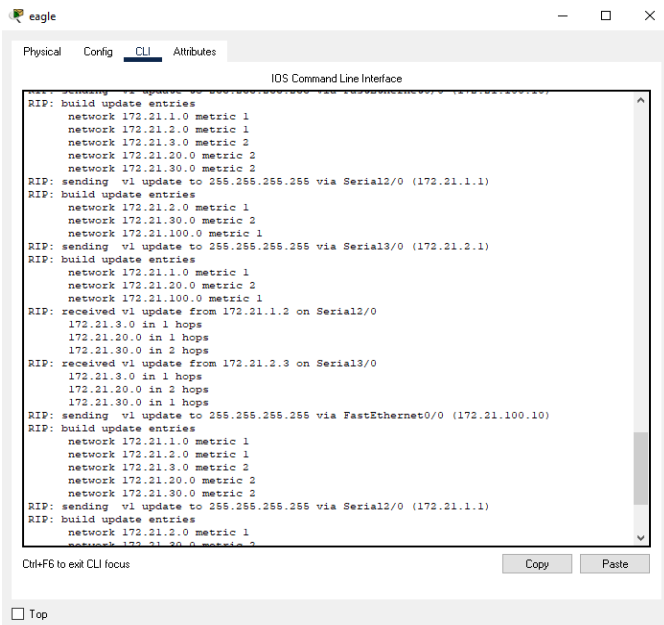
g) Trace PC Leo ke PC Aries



h) Memutus hubungan router eagle dan puma serta updating routing RIP



- **Tugas 8A:** Proses update yang terjadi yaitu pada router Eagle sudah tidak lagi menerima update dari Serial2/0 (172.21.1.1), hanya menerima update dari Serial3/0 saja. Dan untuk hops sendiri juga sudah tidak menerima update dari Serial2/0 hanya menerima Serial3/0.



#### i) Trace PC Leo ke PC Aries

```
C:\>tracert 172.21.20.2

Tracing route to 172.21.20.2 over a maximum of 30 hops:

  1  0 ms      0 ms      0 ms      172.21.100.10
  2  6 ms      1 ms      1 ms      172.21.2.3
  3  1 ms      1 ms      4 ms      172.21.3.2
  4  5 ms      1 ms      5 ms      172.21.20.2

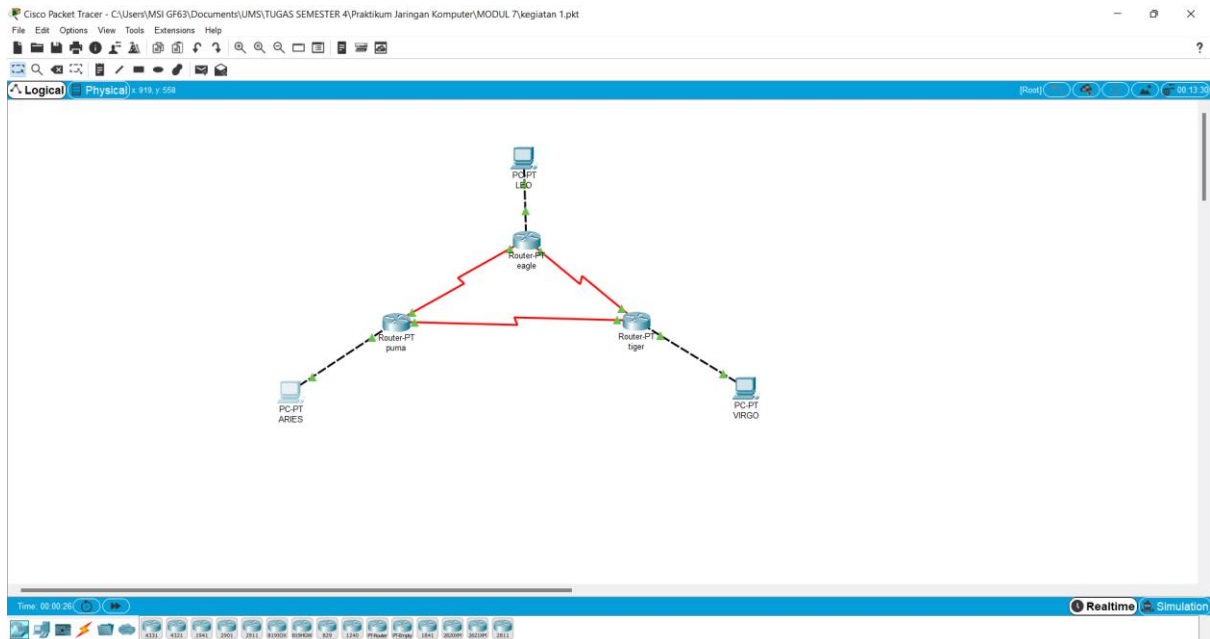
Trace complete.

C:\>
```

- **Tugas 9A:** Ya, dari foto diatas, hasilnya berbeda dari langkah sebelumnya, pada langkah sebelumnya menampilkan Serial2/0 yaitu 172.21.1.2 dan setelah melakukan shutdown pada Serial2/0, maka yang tampil adalah Serial3/0 172.21.3.2(Puma) dan Serial2/0 172.21.2.3 (Tiger).

### Kegiatan 3. IGRP (Interior Gateway Routing Protocol)

a) Dari Packet Tracer, buka (load) topologi NetMap yang dipakai di Kegiatan 1.



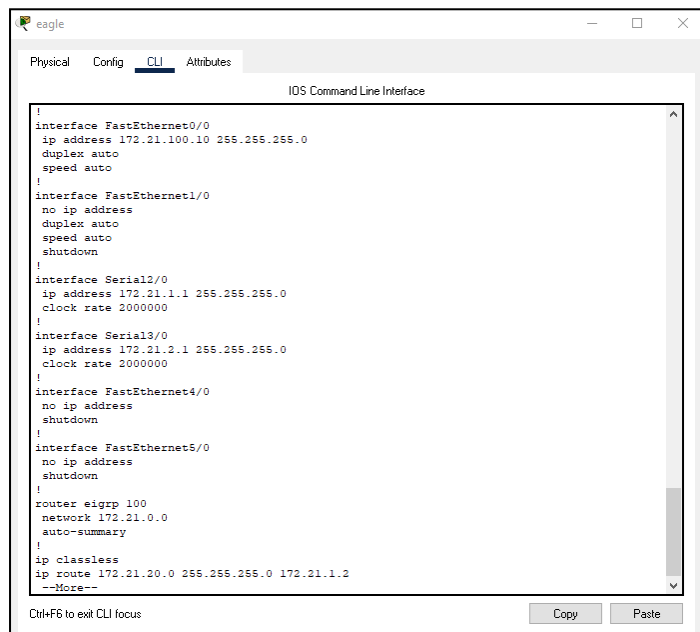
b) Load konfigurasi seluruh device yang disimpan pada langkah 6 Kegiatan 1.

c) Konfigurasi routing IGRP pada router eagle

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router igrp 100
Router(config-router)#network 172.21.0.0
Router(config-router)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

d) Show konfigurasi routing IGRP

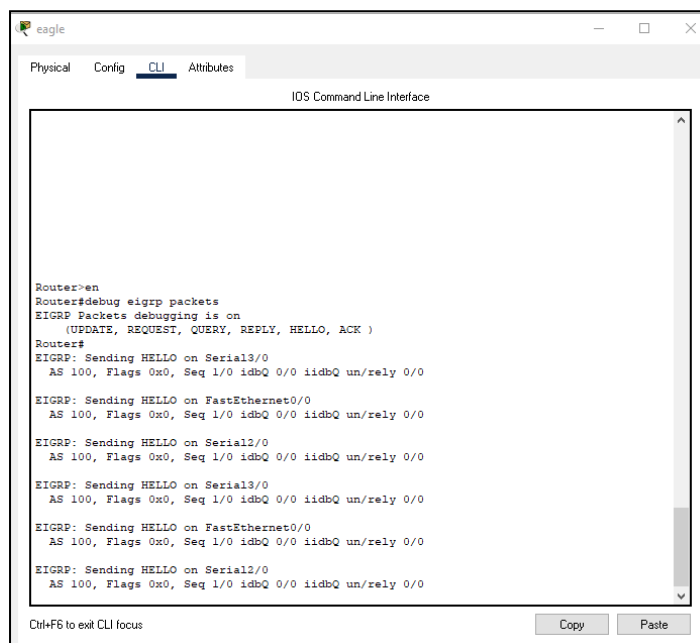




```
!
interface FastEthernet0/0
ip address 172.21.100.10 255.255.255.0
duplex auto
speed auto
!
interface FastEthernet1/0
no ip address
duplex auto
speed auto
shutdown
!
interface Serial3/0
ip address 172.21.1.1 255.255.255.0
clock rate 2000000
!
interface Serial3/0
ip address 172.21.2.1 255.255.255.0
clock rate 2000000
!
interface FastEthernet4/0
no ip address
shutdown
!
interface FastEthernet5/0
no ip address
shutdown
!
router eigrp 100
network 172.21.0.0
auto-summary
!
ip classless
ip route 172.21.20.0 255.255.255.0 172.21.1.2
--More--
```

- **Tugas 4A:** Alamat jaringan yang terkonfigurasi routing IGRP adalah 172.21.0.0

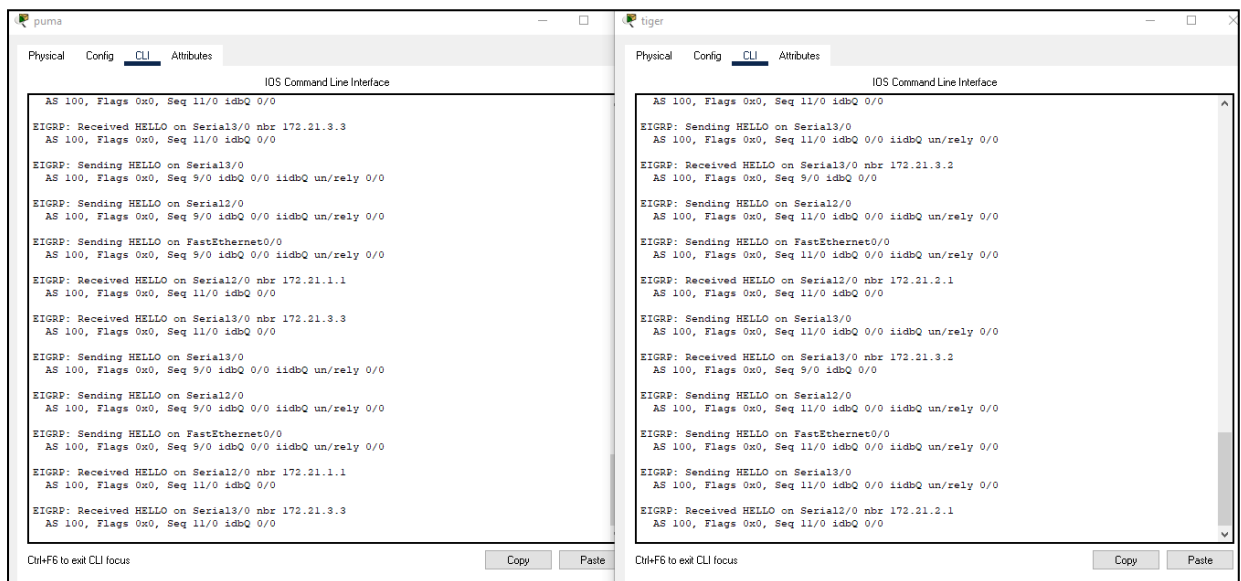
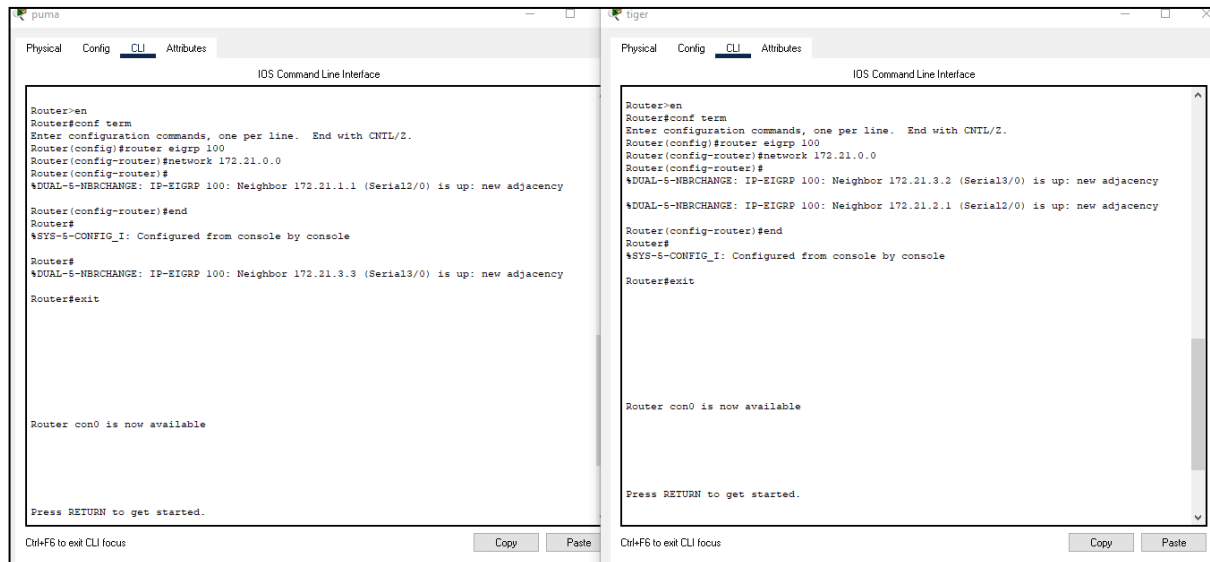
e) Transaksi routing IGRP pada router eagle



```
Router>en
Router#debug eigrp packets
EIGRP Packets debugging is on
(UPDATE, REQUEST, QUERY, REPLY, HELLO, ACK )
Router#
EIGRP: Sending HELLO on Serial3/0
AS 100, Flags 0x0, Seq 1/0 idbQ 0/0 iadbQ un/rely 0/0
EIGRP: Sending HELLO on FastEthernet0/0
AS 100, Flags 0x0, Seq 1/0 idbQ 0/0 iadbQ un/rely 0/0
EIGRP: Sending HELLO on Serial3/0
AS 100, Flags 0x0, Seq 1/0 idbQ 0/0 iadbQ un/rely 0/0
EIGRP: Sending HELLO on Serial3/0
AS 100, Flags 0x0, Seq 1/0 idbQ 0/0 iadbQ un/rely 0/0
EIGRP: Sending HELLO on FastEthernet0/0
AS 100, Flags 0x0, Seq 1/0 idbQ 0/0 iadbQ un/rely 0/0
EIGRP: Sending HELLO on Serial3/0
AS 100, Flags 0x0, Seq 1/0 idbQ 0/0 iadbQ un/rely 0/0
```

- **Tugas 5A:** Output menampilkan transmisi dan penerimaan paket EIGRP, jenis paket ini berupa hello, update, request, query, atau reply. *Sequence* dan *acknowledgmen* yang digunakan oleh transaksi algoritma EIGRP ditampilkan di *output*. Jika memungkinkan “*network-layer address*” dari *neighboring* juga akan disertakan.

f) Konfigurasi routing IGRP pada router puma dan tiger



## • Tugas 7A: Langkah konfigurasi IGRP/EIGRP:

- enable
- configure terminal
- router eigrp 100
- network 172.21.0.0
- end

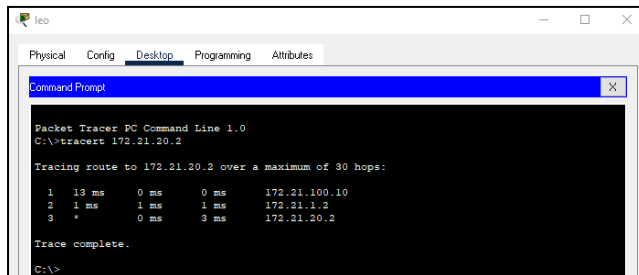
## • Tugas 7B :

<pre> AS 100, Flags 0x0, Seq 11/0 idbQ 0/0 EIGRP: Sending HELLO on Serial3/0 AS 100, Flags 0x0, Seq 9/0 idbQ 0/0 iidbQ un/rely 0/0 EIGRP: Sending HELLO on Serial2/0 AS 100, Flags 0x0, Seq 9/0 idbQ 0/0 iidbQ un/rely 0/0 </pre>
---

Setelah melakukan routing IGRP pada router Puma dan Tiger, router Eagle menerima update dari Serial2/0 172.21.1.2 (Puma) dan Serial3/0 172.21.2.3 (Tiger), yang berupa “Hello” dengan nilai eigrp = 100.

- **Tugas 7C:** Jika alamat segmen Leo diubah ke 172.21.100.0/24, perlu dilakukan perubahan konfigurasi pada setiap router, karena pada PC Leo dilakukan perubahan pada alamat jaringan pada segmen, maka router lain juga harus dirouting ulang sesuai alamat jaringan pada segmen dari PC Leo.

- Trace PC leo ke PC aries



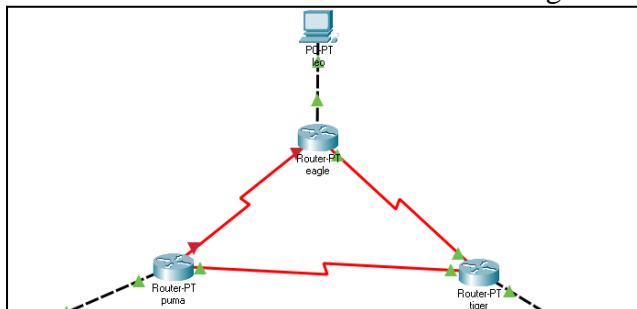
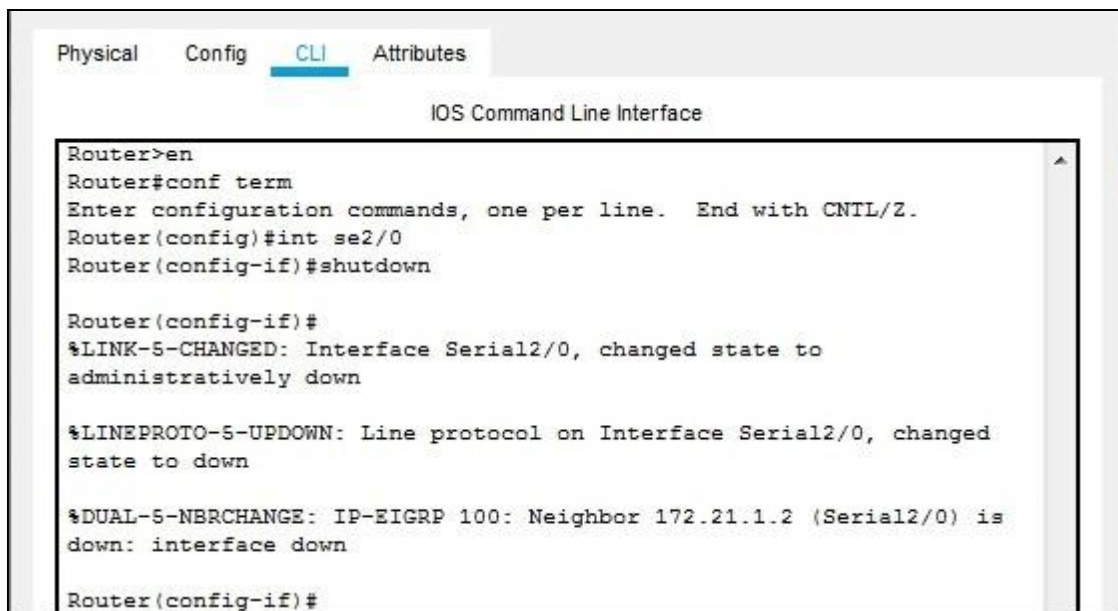
```

Packet Tracer PC Command Line 1.0
C:\>tracert 172.21.20.2

Tracing route to 172.21.20.2 over a maximum of 30 hops:
 0  13 ms  0 ms  0 ms  172.21.100.10
 1  1 ms   1 ms  1 ms  172.21.1.2
 2  *      0 ms  3 ms  172.21.20.2
Trace complete.
C:\>

```

- Memutus hubungan router eagle dan puma

```

Physical  Config  CLI  Attributes

IOS Command Line Interface

Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int se2/0
Router(config-if)#shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to
administratively down

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed
state to down

%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 172.21.1.2 (Serial2/0) is
down: interface down

Router(config-if)#

```

- **Tugas 9A:**

```

AS 100, Flags 0x0, Seq 16/0 idbQ 0/0

EIGRP: Sending HELLO on Serial3/0
AS 100, Flags 0x0, Seq 15/0 idbQ 0/0 iidbQ un/rely 0/0

EIGRP: Sending HELLO on FastEthernet0/0
AS 100, Flags 0x0, Seq 15/0 idbQ 0/0 iidbQ un/rely 0/0

EIGRP: Received HELLO on Serial3/0 nbr 172.21.2.3
AS 100, Flags 0x0, Seq 16/0 idbQ 0/0

EIGRP: Sending HELLO on Serial3/0
AS 100, Flags 0x0, Seq 15/0 idbQ 0/0 iidbQ un/rely 0/0

EIGRP: Sending HELLO on FastEthernet0/0
AS 100, Flags 0x0, Seq 15/0 idbQ 0/0 iidbQ un/rely 0/0

EIGRP: Received HELLO on Serial3/0 nbr 172.21.2.3
AS 100, Flags 0x0, Seq 16/0 idbQ 0/0

EIGRP: Sending HELLO on Serial3/0
AS 100, Flags 0x0, Seq 15/0 idbQ 0/0 iidbQ un/rely 0/0

```

Setelah melakukan shutdown Serial2/0, router Eagle tidak menerima update dari Serial2/0 172.21.1.2 (Puma), hanya menerima update dari Serial3/0 172.21.2/3 (Tiger).

g) Trace PC leo ke PC aries (sesudah diputus)

```

C:\>tracert 172.21.20.2

Tracing route to 172.21.20.2 over a maximum of 30 hops:

  1  0 ms      0 ms      0 ms      172.21.100.10
  2  1 ms      9 ms      1 ms      172.21.2.3
  3  9 ms      6 ms      9 ms      172.21.3.2
  4  0 ms      9 ms      1 ms      172.21.20.2

Trace complete.

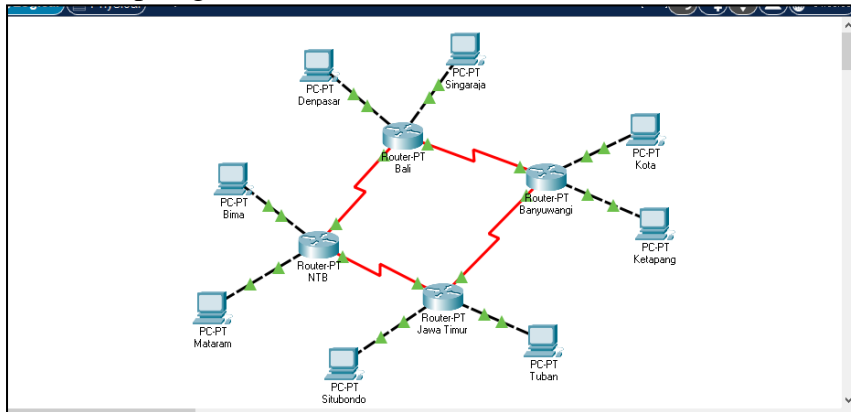
C:\>

```

- **Tugas 10A:** Ya, berbeda dari langkah sebelumnya, Saat melakukan trace, Leo sudah tidak menerima tanggapan dari Serial2/0 172.21.1.2(Puma), karena sudah shutdown. Leo hanya menerima Serial2/0 172.21.2.3(Tiger) dan Serial3/0 172.21.3.2 (Puma).

# Tugas

- Topologi



- Konfigurasi Router

```
NTB
Router(config)#int fa0/0
Router(config-if)#ip address 172.21.10.10 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#int fa1/0
Router(config-if)#ip address 172.21.20.20 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Router(config-if)#exit
Router(config)#int se2/0
Router(config-if)#clock rate 2000000
This command applies only to DCE interfaces
Router(config-if)#ip address 172.21.1.1 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

Router(config-if)#int se3/0
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router(config-if)#clock rate 2000000
Router(config-if)#ip address 172.21.2.1 255.255.255.0
Router(config-if)#no shutdown

Bali
Router(config)#int fa0/0
Router(config-if)#ip address 172.21.30.30 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#int fa1/0
Router(config-if)#ip address 172.21.40.40 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Router(config-if)#int se2/0
Router(config-if)#clock rate 2000000
Router(config-if)#ip address 172.21.1.2 255.255.255.0
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial2/0, changed state to down
Router(config-if)#int se3/0
Router(config-if)#clock rate 2000000
This command applies only to DCE interfaces
Router(config-if)#ip address 172.21.3.2 255.255.255.0
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial3/0, changed state to down
Router(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
```

LIBSCO PACKET TRACER - C:\Users\NIA\Documents\LIBSCO PACKET TRACER\BUNSAVES\jarkom\_tugas\_modul\_1\pkt

```
Banyuwangi
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip address 172.21.50.50 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#int fa1/0
Router(config-if)#ip address 172.21.60.60 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Router(config-if)#exit
Router(config)#int se2/0
Router(config-if)#clock rate 2000000
This command applies only to DCE interfaces
Router(config-if)#ip address 172.21.4.1 255.255.255.0
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial2/0, changed state to down
Router(config-if)#int se3/0
Router(config-if)#ip address 172.21.3.2 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface Serial3/0, changed state to up

Java Timur
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip address 172.21.70.70 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#int fa1/0
Router(config-if)#ip address 172.21.80.80 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Router(config-if)#int se2/0
Router(config-if)#ip address 172.21.4.2 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

Router(config-if)#int se3/0
Router(config-if)#ip address 172.21.2.2 255.255.255.0
Router(config-if)#no shutdown

Invalid input detected at '^' marker.
Router(config-if)#int se3/0
Router(config-if)#ip address 172.21.2.2 255.255.255.0
Router(config-if)#no shutdown
```

## • Konfigurasi PC

Mataram

Physical

Config

Desktop

Programming

Attributes

IP Configuration

Interface

FastEthernet0

IP Configuration

DHCP

Static

IPv4 Address

172.21.10.1

Subnet Mask

255.255.255.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address

Link Local Address

FE80::202:17FF

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

Bima

Physical

Config

Desktop

Programming

Attributes

IP Configuration

Interface

FastEthernet0

IP Configuration

DHCP

Static

IPv4 Address

172.21.20.1

Subnet Mask

255.255.255.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address

Link Local Address

FE80::202:17FF

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

Denpasar

Physical

Config

Desktop

Programming

Attributes

IP Configuration

Interface

FastEthernet0

IP Configuration

DHCP

Static

IPv4 Address

172.21.30.1

Subnet Mask

255.255.255.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address

Link Local Address

FE80::2D0:FFF

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

Singaraja

Physical

Config

Desktop

Programming

Attributes

IP Configuration

Interface

FastEthernet0

IP Configuration

DHCP

Static

IPv4 Address

172.21.40.1

Subnet Mask

255.255.255.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address

Link Local Address

FE80::2D0:BAFF:FE63:E351

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

Kota

Physical

Config

Desktop

Programming

Attributes

IP Configuration

Interface

FastEthernet0

IP Configuration

DHCP

Static

IPv4 Address

172.21.50.1

Subnet Mask

255.255.255.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address

Link Local Address

FE80::20B:BEFF

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

Ketapang

Physical

Config

Desktop

Programming

Attributes

IP Configuration

Interface

FastEthernet0

IP Configuration

DHCP

Static

IPv4 Address

172.21.60.1

Subnet Mask

255.255.255.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address

Link Local Address

FE80::201:42FF

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

Tuban

Physical

Config

Desktop

Programming

Attributes

IP Configuration

Interface

FastEthernet0

IP Configuration

DHCP

Static

IPv4 Address

172.21.70.1

Subnet Mask

255.255.255.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address

Link Local Address

FE80::20B:BEF

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

Situbondo

Physical

Config

Desktop

Programming

Attributes

IP Configuration

Interface

FastEthernet0

IP Configuration

DHCP

Static

IPv4 Address

172.21.80.1

Subnet Mask

255.255.255.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address

Link Local Address

FE80::204:9AFF:FE75:2510

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

## • Routing router

NTB

Physical

Config

CLI

Attributes

IOS Command Line Interface

```

Router>en
Router>write
Building configuration...
[OK]
Router>conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 172.21.30.0 255.255.255.0 172.21.1.2
Router(config)#ip route 172.21.40.0 255.255.255.0 172.21.1.2
Router(config)#ip route 172.21.50.0 255.255.255.0 172.21.1.2
Router(config)#ip route 172.21.60.0 255.255.255.0 172.21.1.2
Router(config)#ip route 172.21.70.0 255.255.255.0 172.21.1.2
Router(config)#ip route 172.21.80.0 255.255.255.0 172.21.1.2
Router(config)#

```

Ctrl+F6 to exit CLI focus

Copy

Paste

Bali

Physical

Config

CLI

Attributes

IOS Command Line Interface

```

%LINK-5-CHANGED: Interface Serial3/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

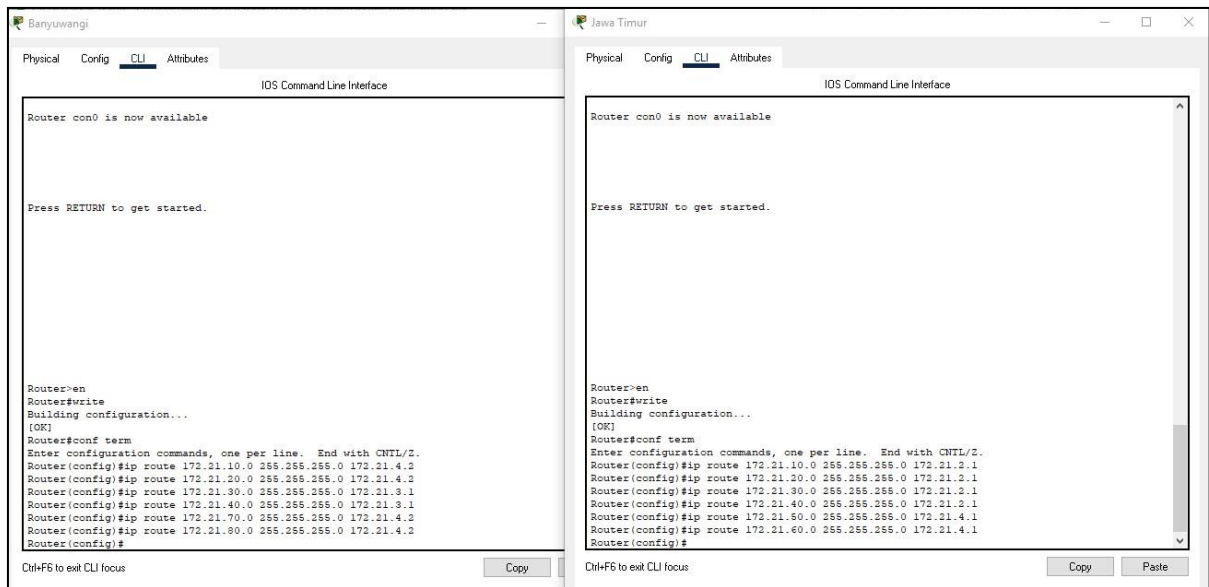
Router>en
Router>write
Building configuration...
[OK]
Router>conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 172.21.10.0 255.255.255.0 172.21.1.1
Router(config)#ip route 172.21.20.0 255.255.255.0 172.21.1.1
Router(config)#ip route 172.21.30.0 255.255.255.0 172.21.3.2
%Invalid next hop address (it's this router)
Router(config)#ip route 172.21.40.0 255.255.255.0 172.21.3.2
%Invalid next hop address (it's this router)
Router(config)#ip route 172.21.30.0 255.255.255.0 172.21.3.2
%Invalid next hop address (it's this router)
Router(config)#ip route 172.21.50.0 255.255.255.0 172.21.3.2
%Invalid next hop address (it's this router)
Router(config)#ip route 172.21.30.0 255.255.255.0 172.21.1.2
%Invalid next hop address (it's this router)
Router(config)#ip route 172.21.30.0 255.255.255.0 172.21.4.1
Router(config)#ip route 172.21.40.0 255.255.255.0 172.21.4.1
Router(config)#ip route 172.21.50.0 255.255.255.0 172.21.4.1
Router(config)#ip route 172.21.60.0 255.255.255.0 172.21.4.1
Router(config)#ip route 172.21.70.0 255.255.255.0 172.21.4.1
Router(config)#

```

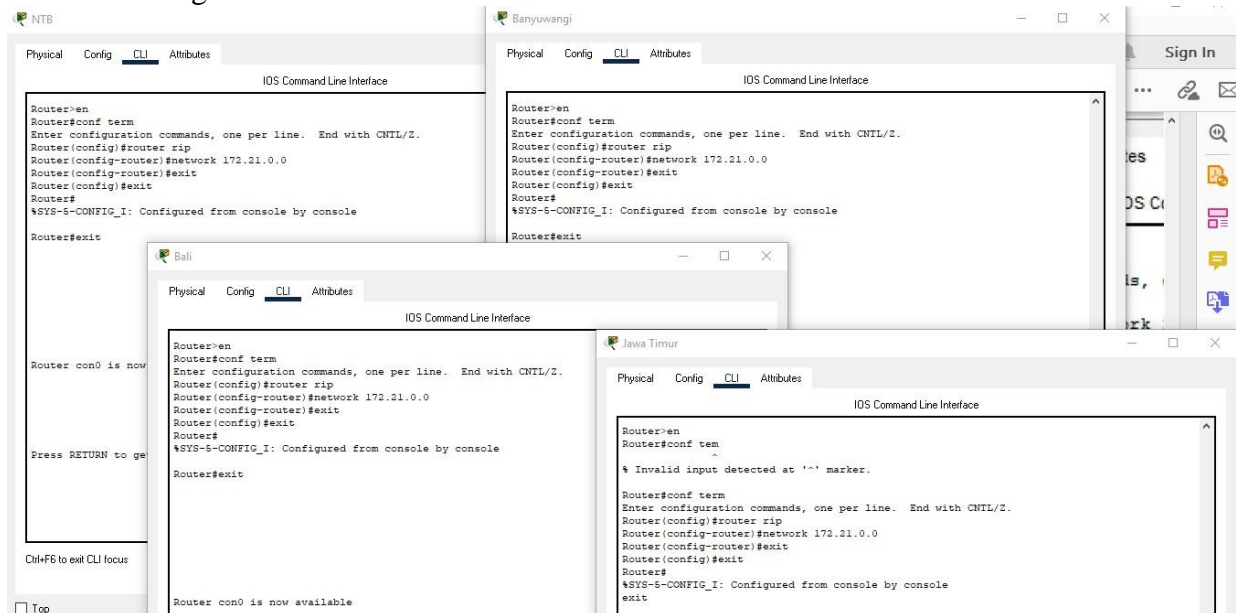
Ctrl+F6 to exit CLI focus

Copy

Paste



## • Konfigurasi RIP



- Konfigurasi IGRP

