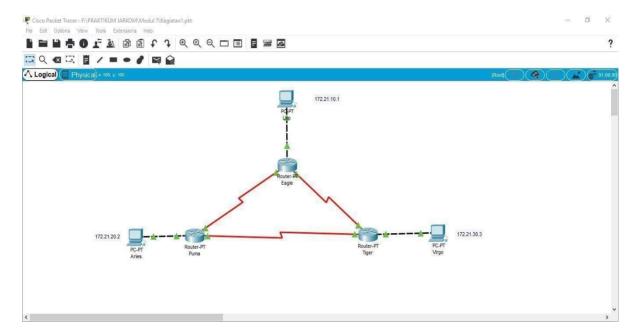
## MODUL 7

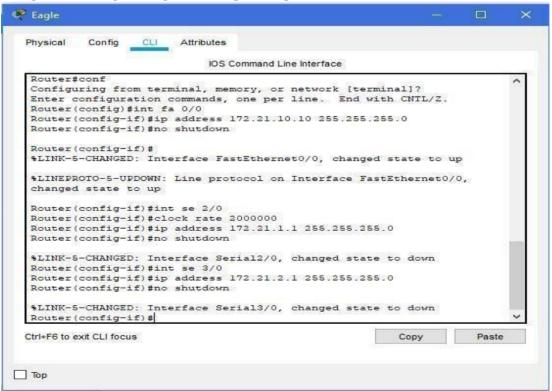
Nama : Hafid ihsan majid

NIM : L200170112

Kelas : C



1. Konfigurasi masing masing interface pada tiap Router



IOS Command Line Interface

```
--- System Configuration Dialog ---
Would you like to enter the initial configuration dialog? [yes/no]: no
Press RETURN to get started!
Router>en
Router#config
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #int fa 0/0
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 FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Router(config-if) #int se 2/0
Router(config-if)#ip address 172.21.1.2 255.255.255.0 Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
Router(config-if) #int se 3/0
Router(config-if)#clo
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to
Router(config-if) #int se 3/0
Router(config-if) #clock rate 2000000
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)#
```

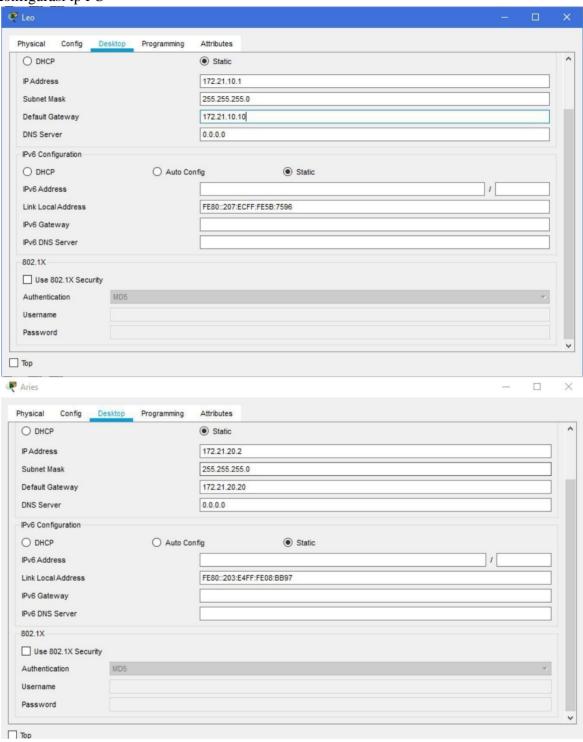
Ctrl+F6 to exit CLI focus

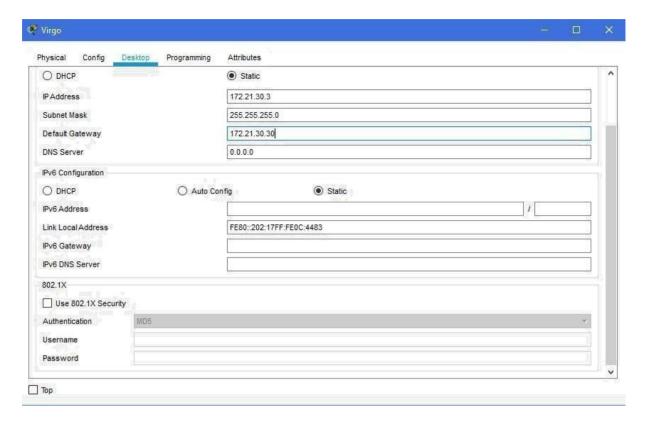
IOS Command Line Interface

Press RETURN to get started! Router>en Router#conf Configuring from terminal, memory, or network [terminal]? Enter configuration commands, one per line. End with CNTL/Z. Router(config) #int fa 0/0 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 se 3/0 Router(config-if)#ip address 172.21.3.3 255.255.255.0 Router(config-if)#no shutdown Router(config-if)# %LINK-5-CHANGED: Interface Serial3/0, changed state to up Router(config-if)#ip address 172.21.3.3 255.255.255.0 %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up Router(config-if) #int se 2/0 Router(config-if) #clock rate 2000000 Router(config-if)#ip address 172.21.2.3 255.255.255.0 Router(config-if)#no shutdown %LINK-5-CHANGED: Interface Serial2/0, changed state to up Router(config-if) # %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up Router(config-if)#

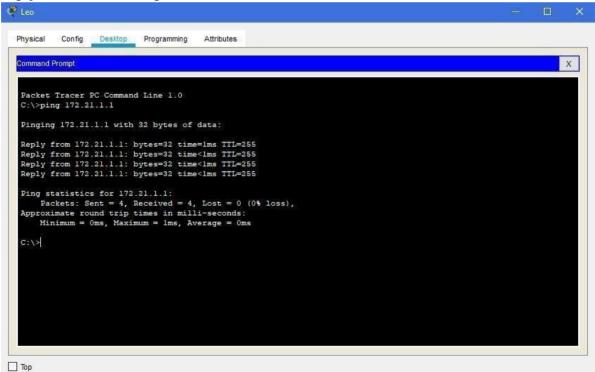
Ctrl+F6 to exit CLI focus

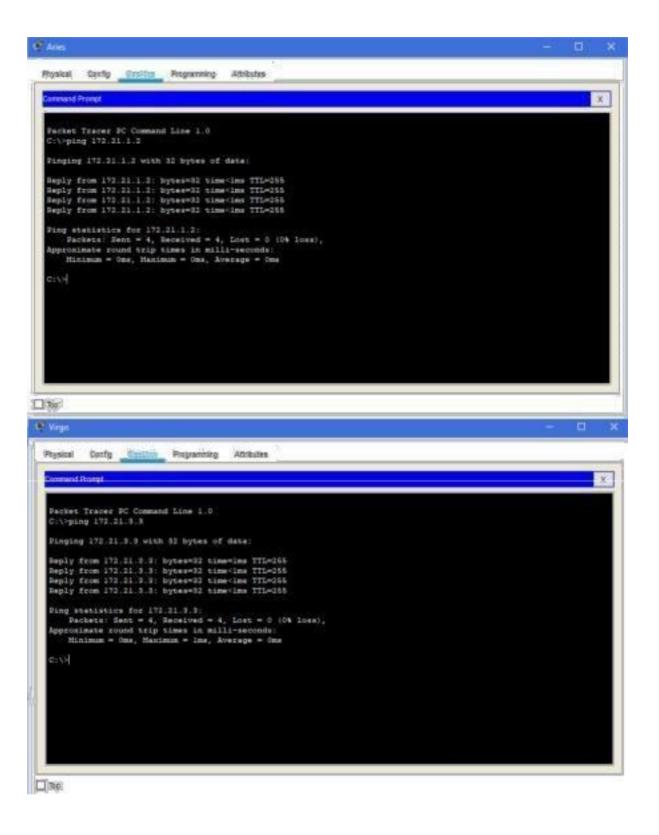
2. Konfigurasi ip PC

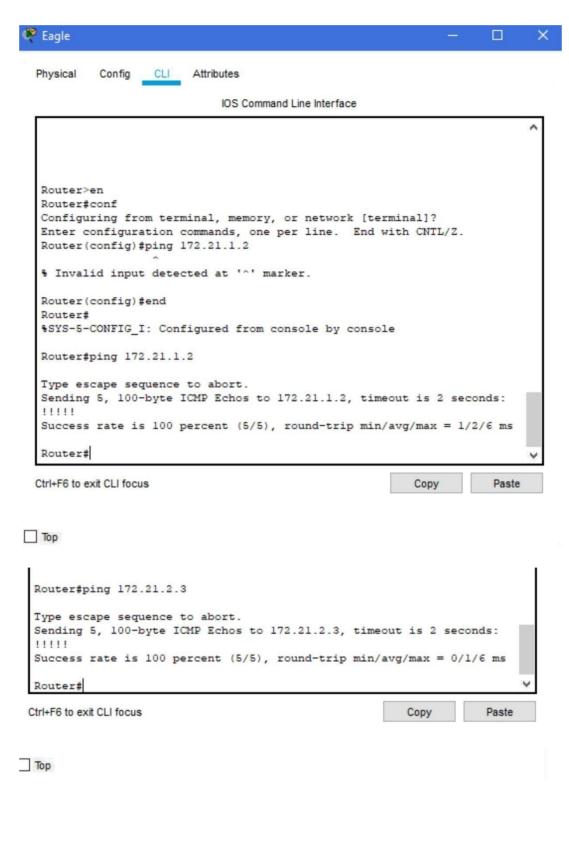




3. Pengujian kesesuain konfigurasi

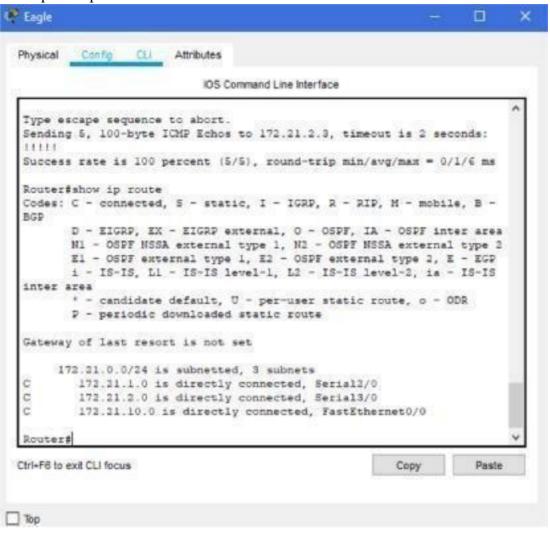


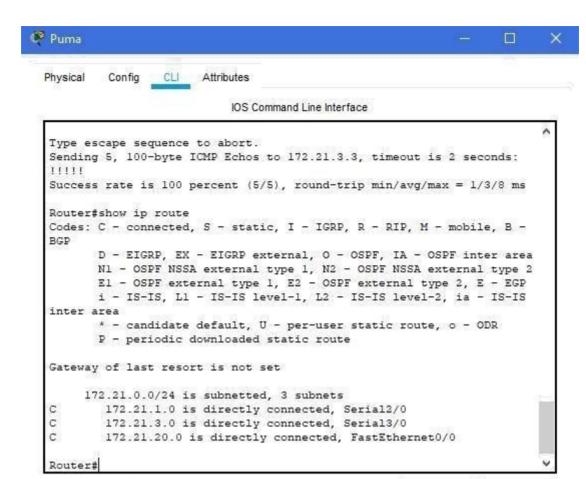






4. Menampilkan ip route



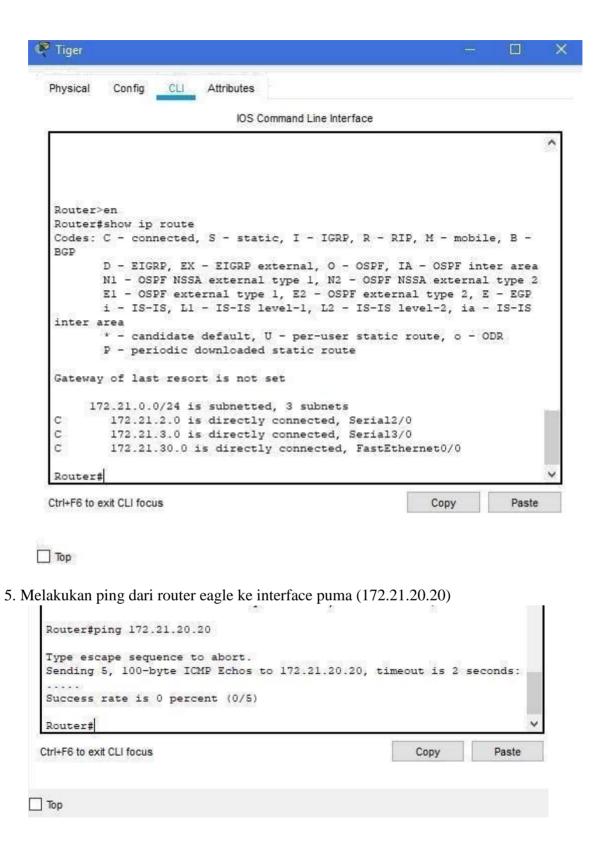


Ctrl+F6 to exit CLI focus

Top

Copy

Paste

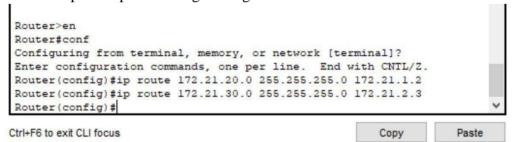


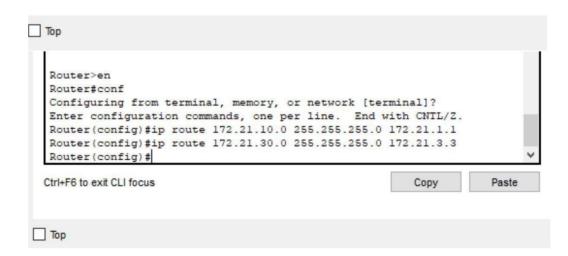
6. Trace PC leo ke PC aries

```
C:\>tracert 172.21.20.2
  Tracing route to 172.21.20.2 over a maximum of 30 hops:
        131 ms
                  0 ms
                            0 ms
                                      172.21.10.10
        0 ms
                            52 ms
                                      172.21.10.10
                                      Request timed out.
    3
                  0 ms
                                      172.21.10.10
    4
        0 ms
                            13 ms
                  0 ms
                                      Request timed out.
                            0 ms
    6
        0 ms
                  *
                                      172.21.10.10
  Control-C
Top
```

7. Trace dari PC leo ke router eagle (172.21.1.1)

8. Melakukan ip route pada masing masing router





```
Router en Router from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/2.
Router (config) fip route 172.21.10.0 255.255.255.0 172.21.2.1
Router (config) proute 172.21.20.0 255.255.255.0 172.21.3.2
Router (config) 

Ctrl+F6 to exit CLI focus

Copy

Paste
```

9. Ping PC leo ke PC aries dan tracer PC leo ke PC aries

```
C:\>ping 172.21.20.2

Pinging 172.21.20.2 with 32 bytes of data:

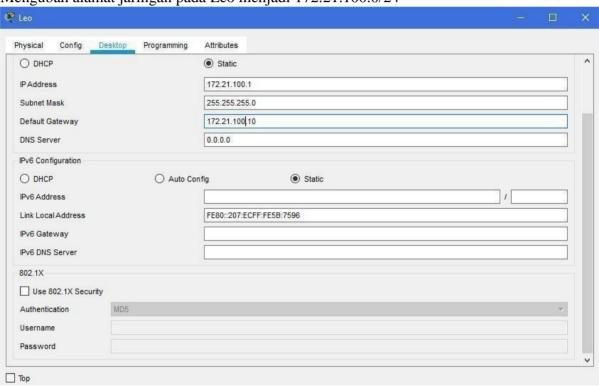
Request timed out.
Reply from 172.21.20.2: bytes=32 time=130ms TTL=126
Reply from 172.21.20.2: bytes=32 time=15ms TTL=126
Reply from 172.21.20.2: bytes=32 time=1ms TTL=126

Ping statistics for 172.21.20.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 130ms, Average = 48ms

C:\>
```

```
C:\>tracert 172.21.20.2
 Tracing route to 172.21.20.2 over a maximum of 30 hops:
                 0 ms
                            0 ms
                                     172.21.10.10
       0 ms
                                      172.21.1.2
        1 ms
                  1 ms
                            4 ms
                                     172.21.20.2
       0 ms
                 13 ms
                            0 ms
 Trace complete.
Тор
```

10. Mengubah alamat jaringan pada Leo menjadi 172.21.100.0/24



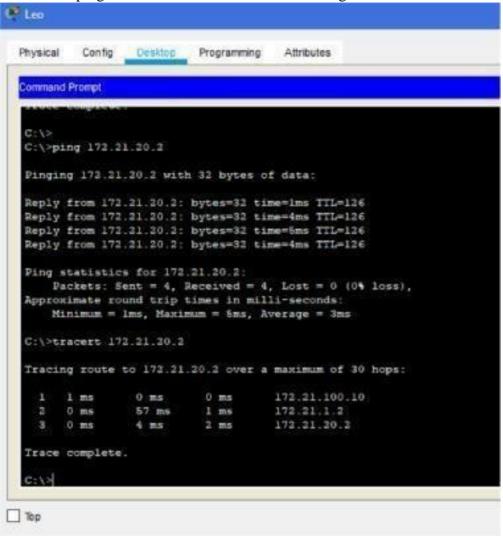
11. Konfigurasi ip baru pada router eagle

Router#en	
Router#conf	
Configuring from terminal, memory, or network	[terminal]?
Enter configuration commands, one per line. E	nd with CNTL/Z.
Router(config)#int fa 0/0	
Router(config-if)#ip address 172.21.100.10 255	.255.255.0
Router(config-if) #no shutdown	
107 (217) 3(10)(3)(10)(4)(10)	
Router(config-if)#	
Router(config-if)# Ctrl+F6 to exit CLI focus	Сору
	Сору

12. Menambahkan konfigurasi ip route baru pada router puma dan tiger

Router>en Router#conf Configuring from terminal, memory, or network [term Enter configuration commands, one per line. End wi Router(config)#ip route 172.21.100.0 255.255.255.0 Router(config)#	th CNTL/Z.	
Ctrl+F6 to exit CLI focus	Сору	Paste
□ Top		
Router>en Router#conf Configuring from terminal, memory, or network [term: Enter configuration commands, one per line. End wir Router(config)#ip route 172.21.100.0 255.255.255.0 Router(config)#	th CNTL/Z.	V
Ctrl+F6 to exit CLI focus	Сору	Paste
Тор		

13. Melakukan ping dan tracer dari Leo ke Aries dan Virgo



C:\>

Тор

Physical Config Desktop Programming Attributes

```
Command Prompt
Trace complete.
C:\>ping 172.21.30.3
Pinging 172.21.30.3 with 32 bytes of data:
Reply from 172.21.30.3: bytes=32 time=2ms TTL=126
Reply from 172.21.30.3; bytes=32 time=1ms TTL=126
Reply from 172.21.30.3: bytes=32 time=1ms TTL=126
Reply from 172.21.30.3: bytes=32 time=1ms TTL=126
Ping statistics for 172.21.30.3:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
    Minimum = lms, Maximum = 2ms, Average = lms
C:\>tracert 172.21.30.3
Tracing route to 172.21.30.3 over a maximum of 30 hops:
      0 ms
                 56 ms
                            0 ms
                                       172.21.100.10
      1 ms
                 1 ms
                            0 ms
                                      172.21.2.3
  2
      12 ms
                 3 ms
                            2 ms
                                      172.21.30.3
Trace complete.
```