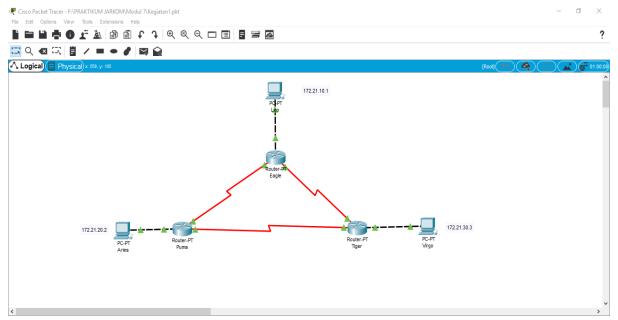
Name: Shidqi Aditya Falah

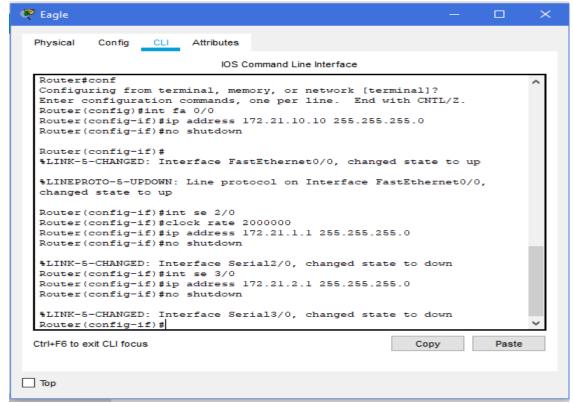
NIM: L202173001

Class: X

Modul 7 Kegiatan 1 (Static Routing)

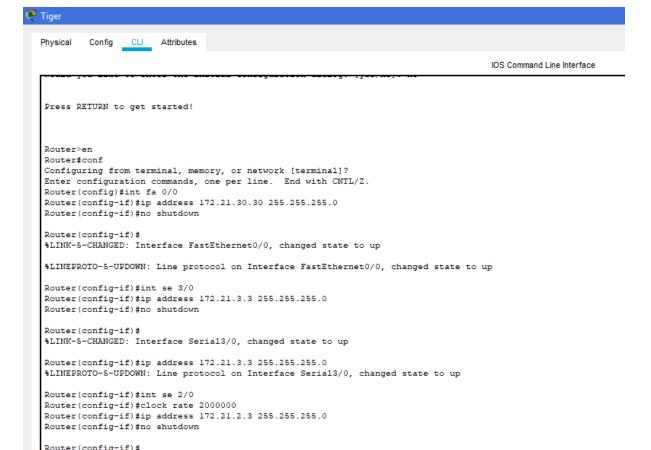


1. Konfigurasi masing masing interface pada tiap Router



```
--- 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 {\tt 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



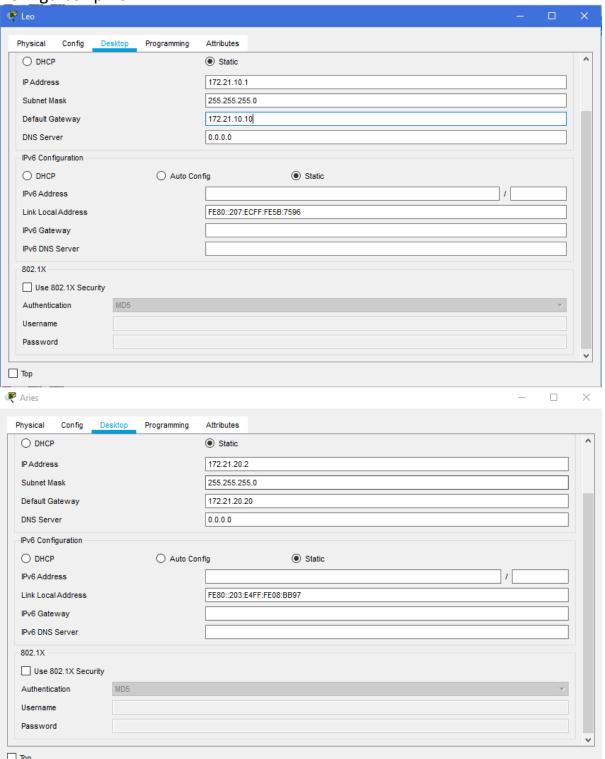
Ctrl+F6 to exit CLI focus

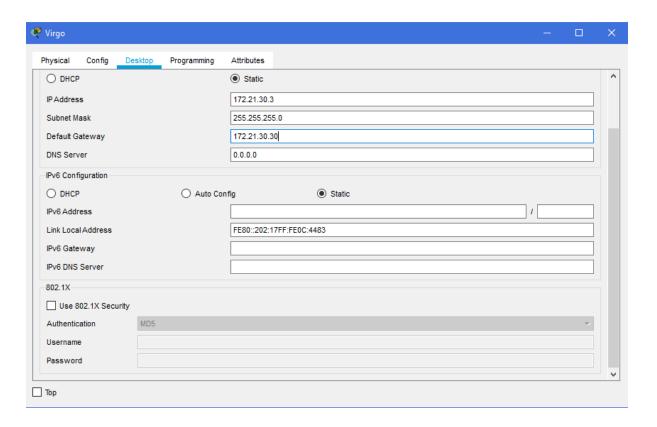
Router(config-if)#

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

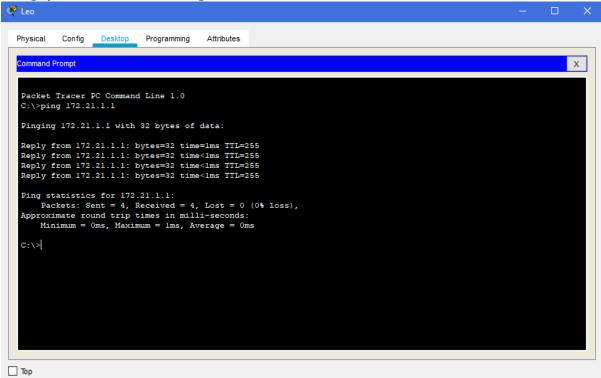
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

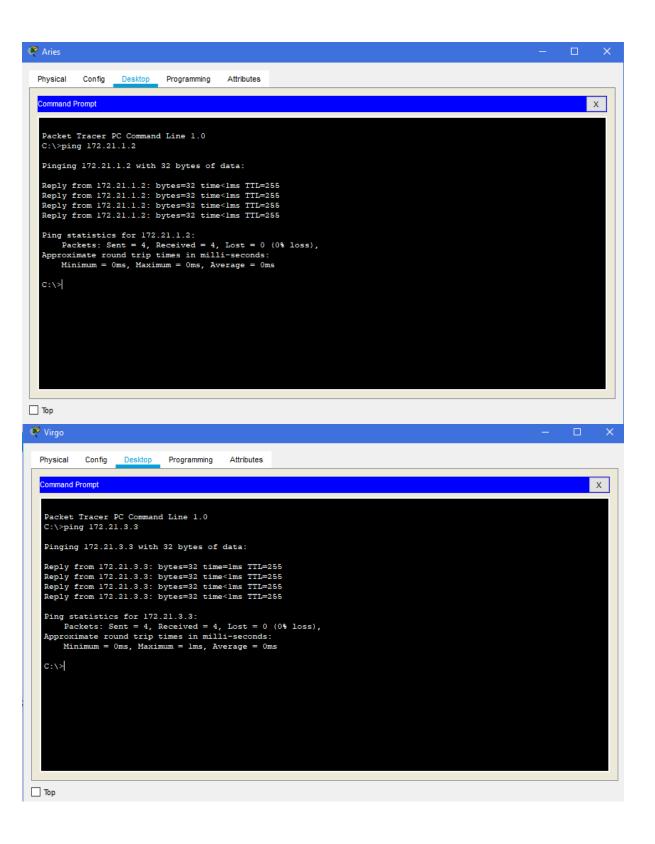
2. Konfigurasi ip PC

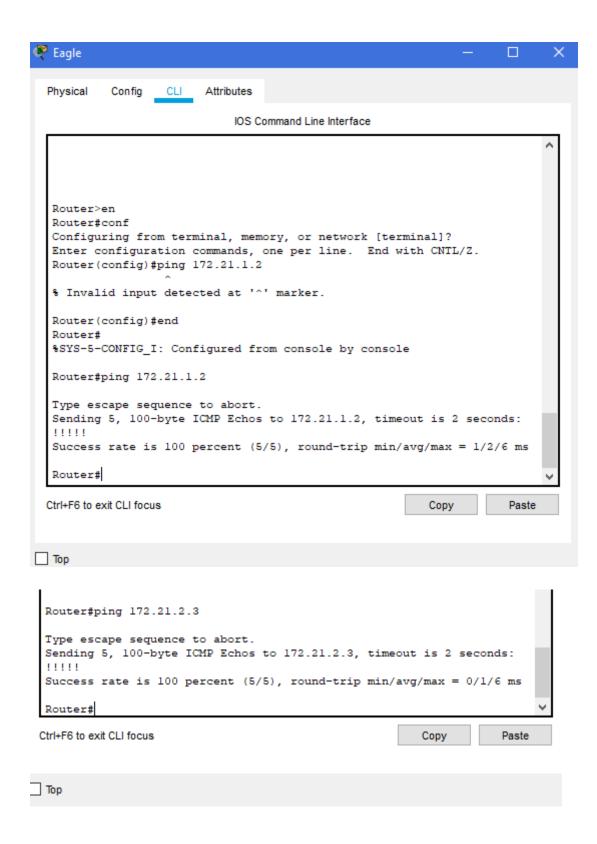


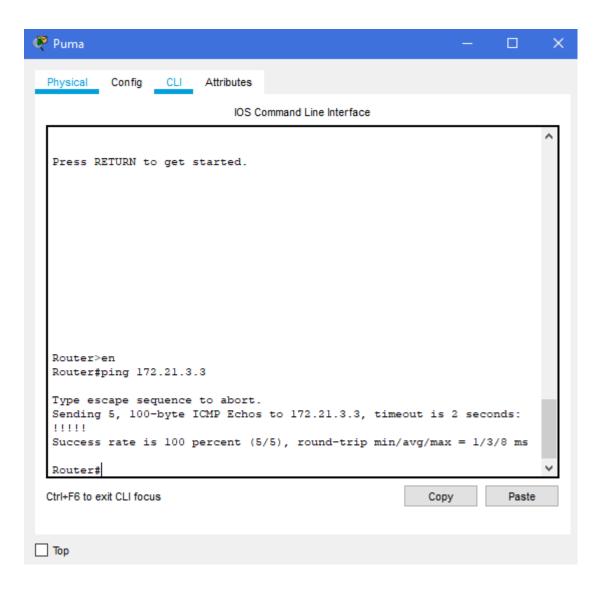


3. Pengujian kesesuain konfigurasi

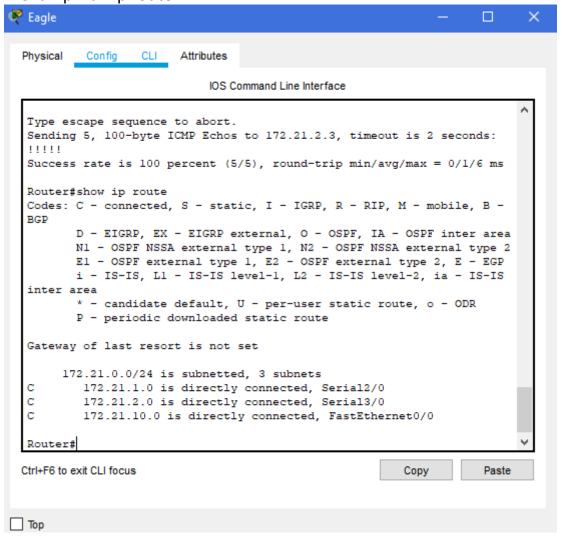


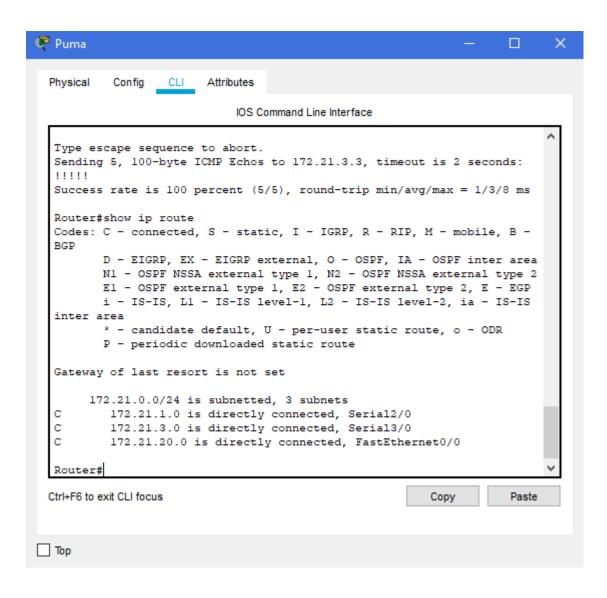


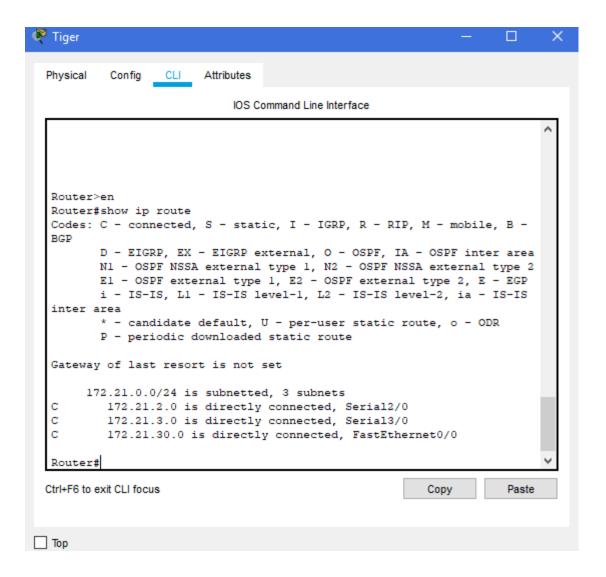




4. Menampilkan ip route







5. Melakukan ping dari router eagle ke interface puma (172.21.20.20)

Router#ping 172.21.20.20				
Type escape sequence to abort. Sending 5, 100-byte ICMP Echos to 172.21.20.20, time Success rate is 0 percent (0/5)	out is	2 sec	onds:	
Router#				V
Ctrl+F6 to exit CLI focus	Сору		Paste	
Тор				

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
                                      172.21.10.10
                  0 ms
                                      172.21.10.10
        0 ms
                            52 ms
                  0 ms
                                      Request timed out.
        0 ms
                            13 ms
                                      172.21.10.10
                  0 ms
                                      Request timed out.
                                      172.21.10.10
        0 ms
                            0 ms
  Control-C
   ^C
  C:\>
Top
```

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

```
C:\>tracert 172.21.1.1

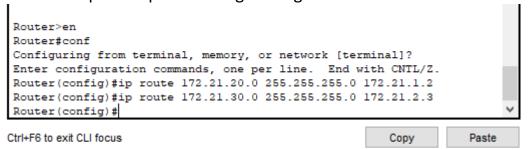
Tracing route to 172.21.1.1 over a maximum of 30 hops:

1 0 ms 0 ms 0 ms 172.21.1.1

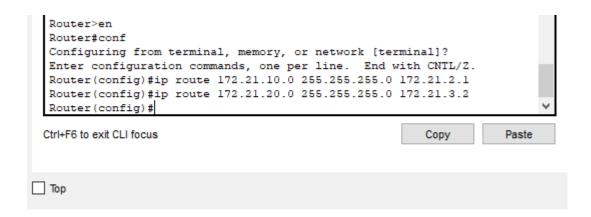
Trace complete.

C:\>
```

8. Melakukan ip route pada masing masing router



Тор	
Router>en	
Router#conf	
Configuring from terminal, memory, or network [terminal]?	
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 172.21.30.0 255.255.255.0 172.21.3.3	_
Router(config)#	`
Ctrl+F6 to exit CLI focus	Paste
Тор	



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

```
C:\>ping 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),

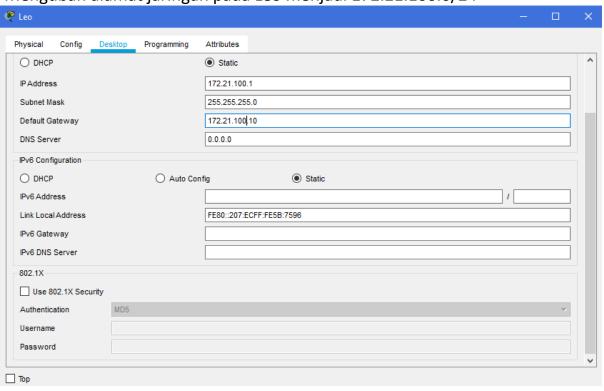
Approximate round trip times in milli-seconds:

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 0 ms 172.21.10.10 1 ms 1 ms 4 ms 172.21.1.2 172.21.20.2 0 ms 13 ms 0 ms Trace complete. Тор

10. Mengubah alamat jaringan pada Leo menjadi 172.21.100.0/24



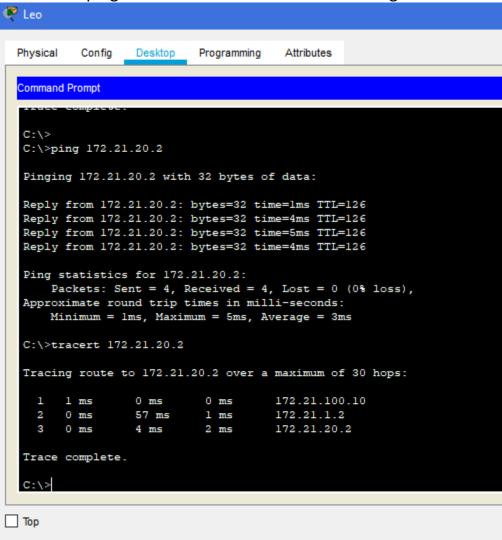
11. Konfigurasi ip baru pada router eagle

Router#en Router#conf Configuring from terminal, memory, or network [terminal]? Enter configuration commands, one per line. End with CNTL/2 Router(config)#int fa 0/0 Router(config-if)#ip address 172.21.100.10 255.255.255.0 Router(config-if)#no shutdown Router(config-if)#	
Ctrl+F6 to exit CLI focus	Сору
Тор	

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

	Router>en Router#conf Configuring from terminal, memory, or network [te Enter configuration commands, one per line. End Router(config)#ip route 172.21.100.0 255.255.255. Router(config)#	with CNTL/Z.	~		
	Ctrl+F6 to exit CLI focus	Сору	Paste		
Пор					
	Router>en Router#conf Configuring from terminal, memory, or network [terminal configuration commands, one per line. End to Router(config) #ip route 172.21.100.0 255.255.255.0 Router(config)#	with CNTL/Z.	~		
(Ctrl+F6 to exit CLI focus	Сору	Paste		
	Тор				

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



```
Leo
 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 = 1ms, Maximum = 2ms, Average = 1ms
  C:\>tracert 172.21.30.3
  Tracing route to 172.21.30.3 over a maximum of 30 hops:
                  56 ms
                           0 ms
        0 ms
                                      172.21.100.10
                 1 ms
                          0 ms
       1 ms
                                      172.21.2.3
    2
    3 12 ms
                 3 ms
                          2 ms
                                      172.21.30.3
  Trace complete.
  C:\>
■ Тор
```