

Hesti Putri Utami

L200170009

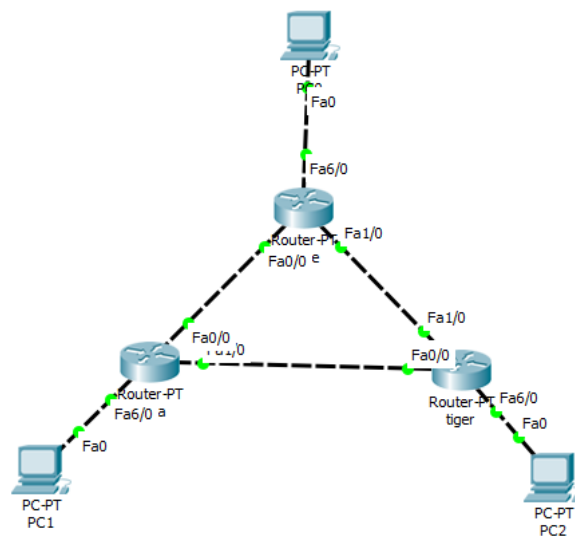
Kelas A

## MODUL VII

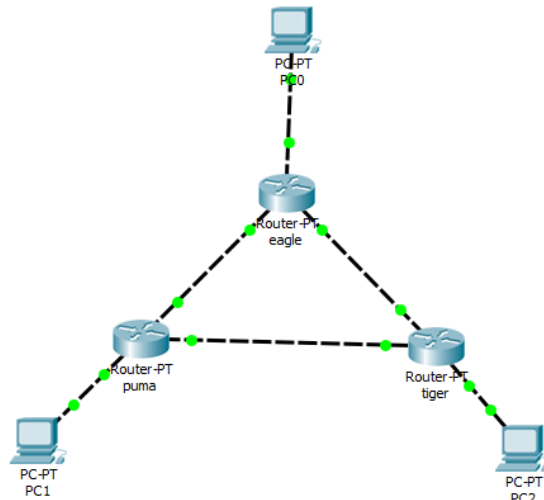
### STATIC ROUTE, RIP DAN IGRP

#### 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).



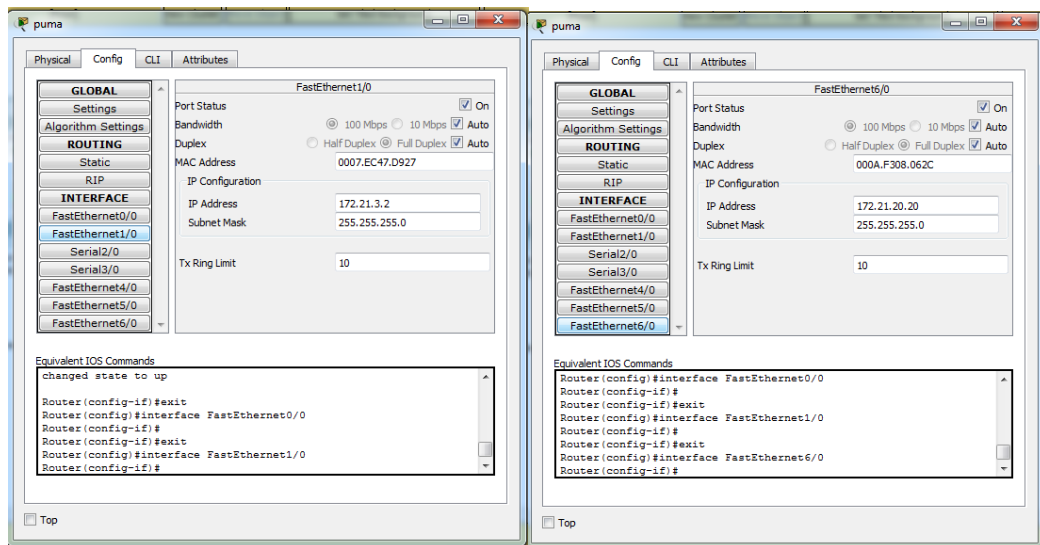
- Konfigurasi masing-masing interface pada tiap Router dengan alamat IP berikut ini:

eagle
Physical Config CLI Attributes
FastEthernet0/0
Port Status: On
Bandwidth: 100 Mbps
Duplex: Full Duplex
MAC Address: 0005.5EAD.5CEA
IP Configuration:
IP Address: 172.21.1.1
Subnet Mask: 255.255.255.0
Tx Ring Limit: 10
Equivalent IOS Commands:
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet6/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Top

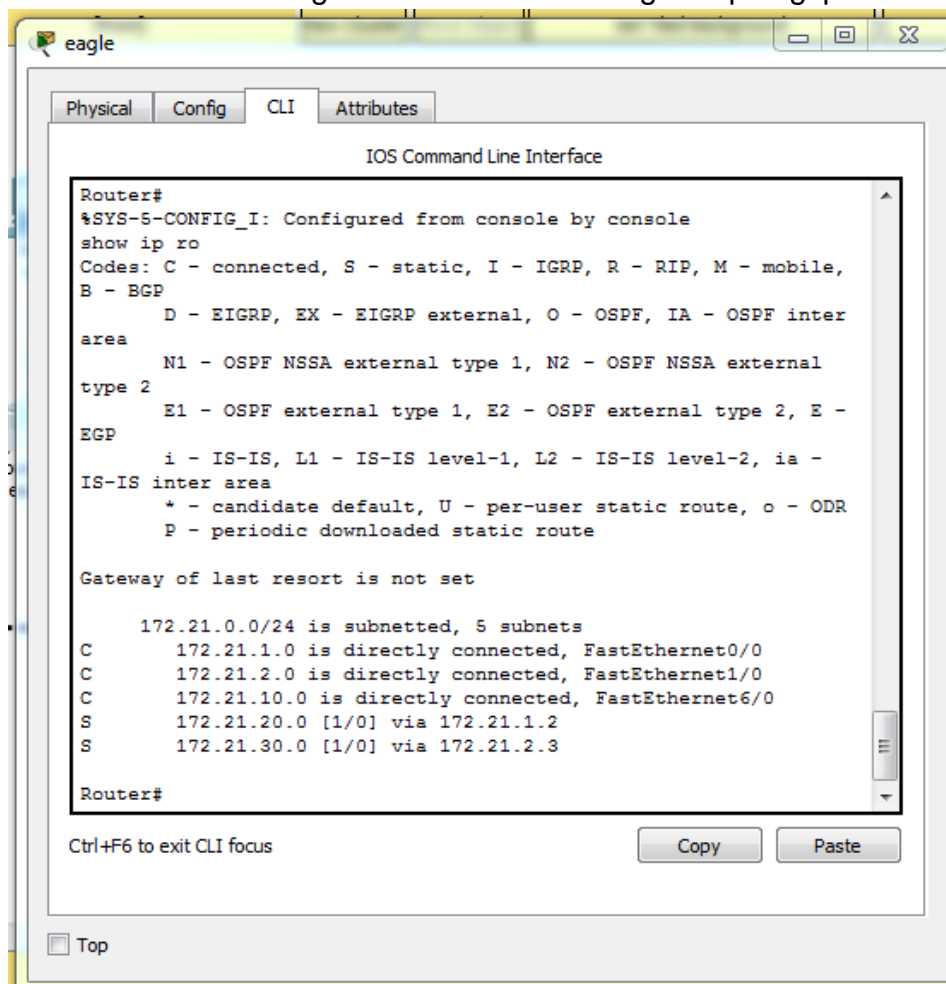
eagle
Physical Config CLI Attributes
FastEthernet1/0
Port Status: On
Bandwidth: 100 Mbps
Duplex: Full Duplex
MAC Address: 00E0.8F6C.5C84
IP Configuration:
IP Address: 172.21.2.1
Subnet Mask: 255.255.255.0
Tx Ring Limit: 10
Equivalent IOS Commands:
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
Top

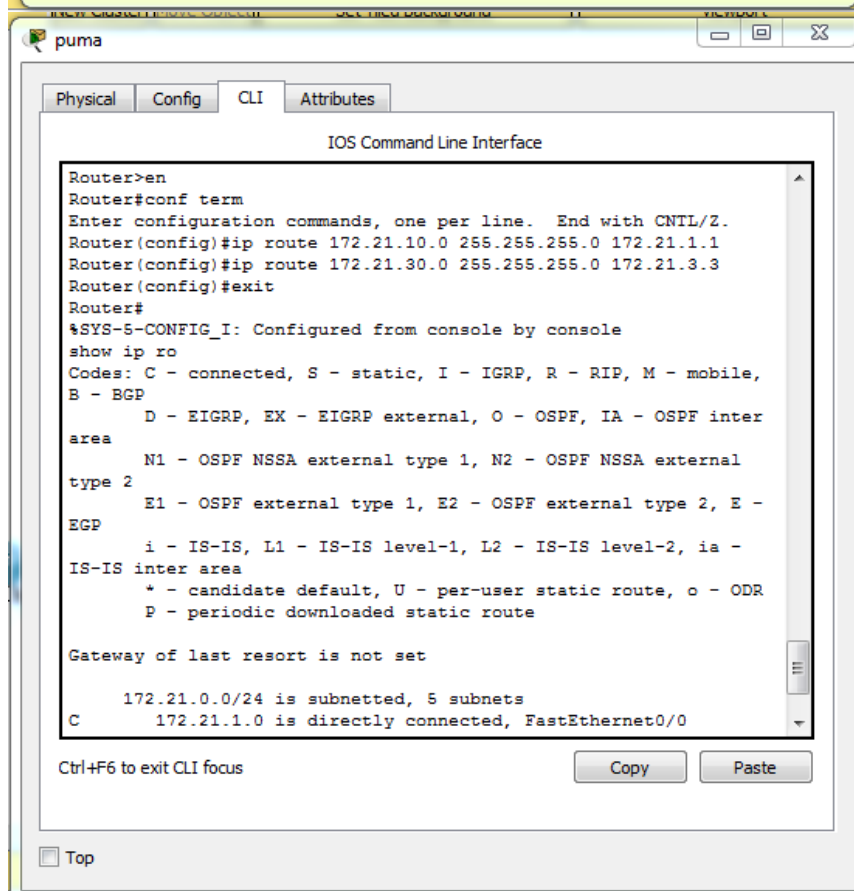
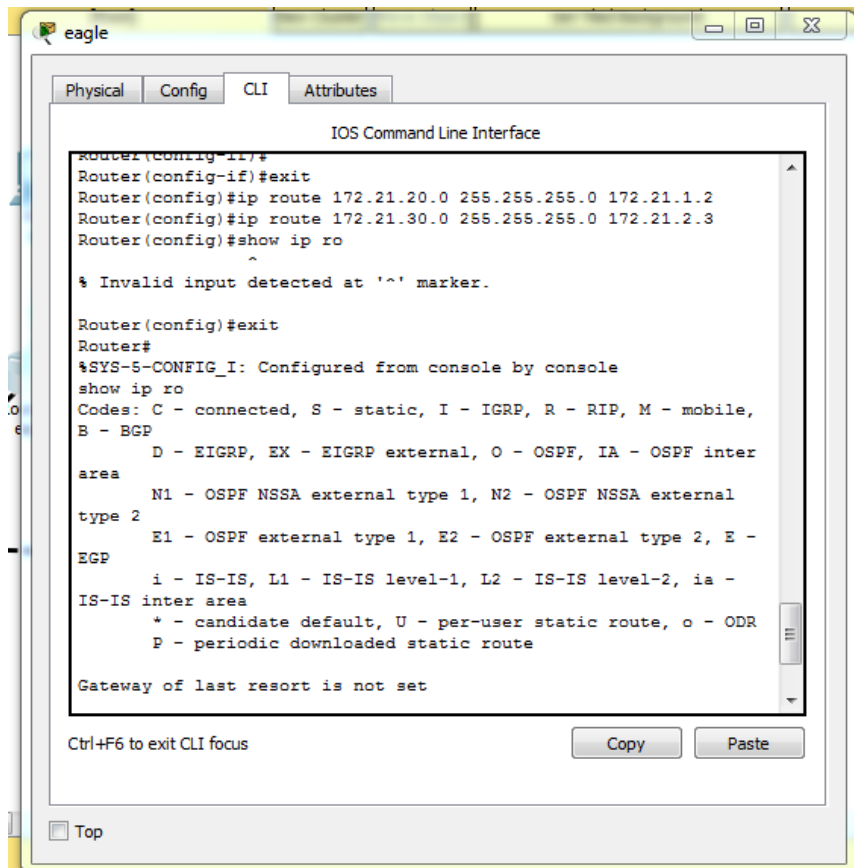
eagle
Physical Config CLI Attributes
FastEthernet6/0
Port Status: On
Bandwidth: 100 Mbps
Duplex: Full Duplex
MAC Address: 00D0.58BC.D91D
IP Configuration:
IP Address: 172.21.10.10
Subnet Mask: 255.255.255.0
Tx Ring Limit: 10
Equivalent IOS Commands:
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet6/0
Router(config-if)#
Top

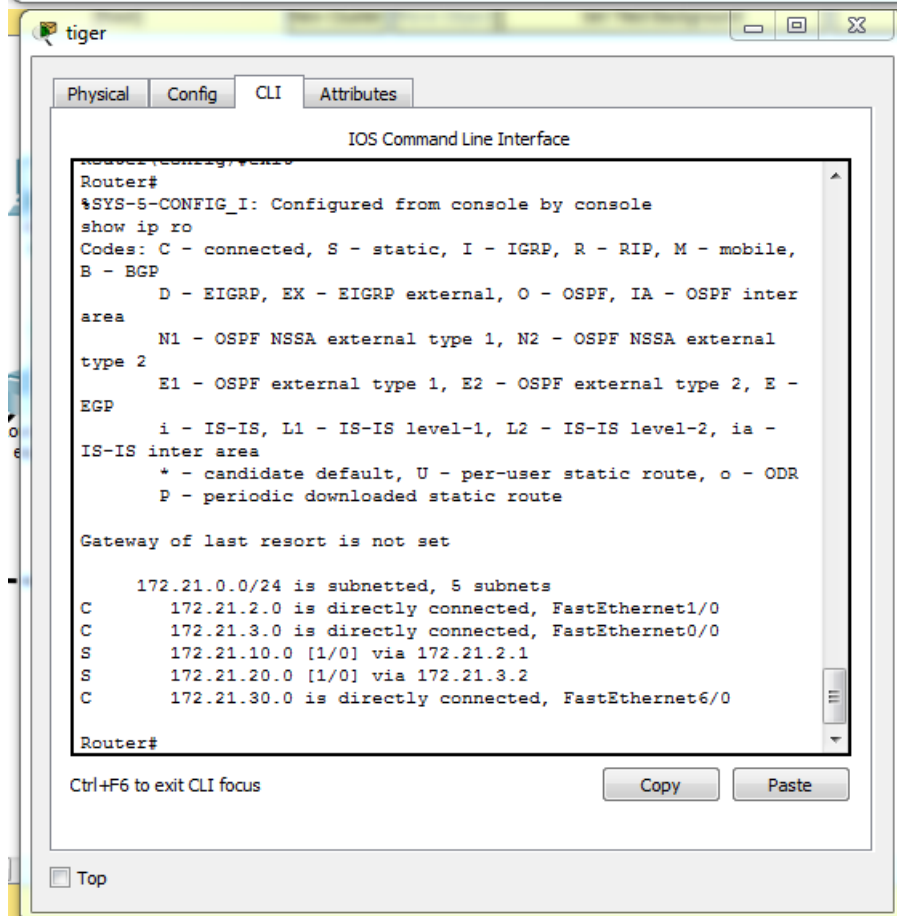
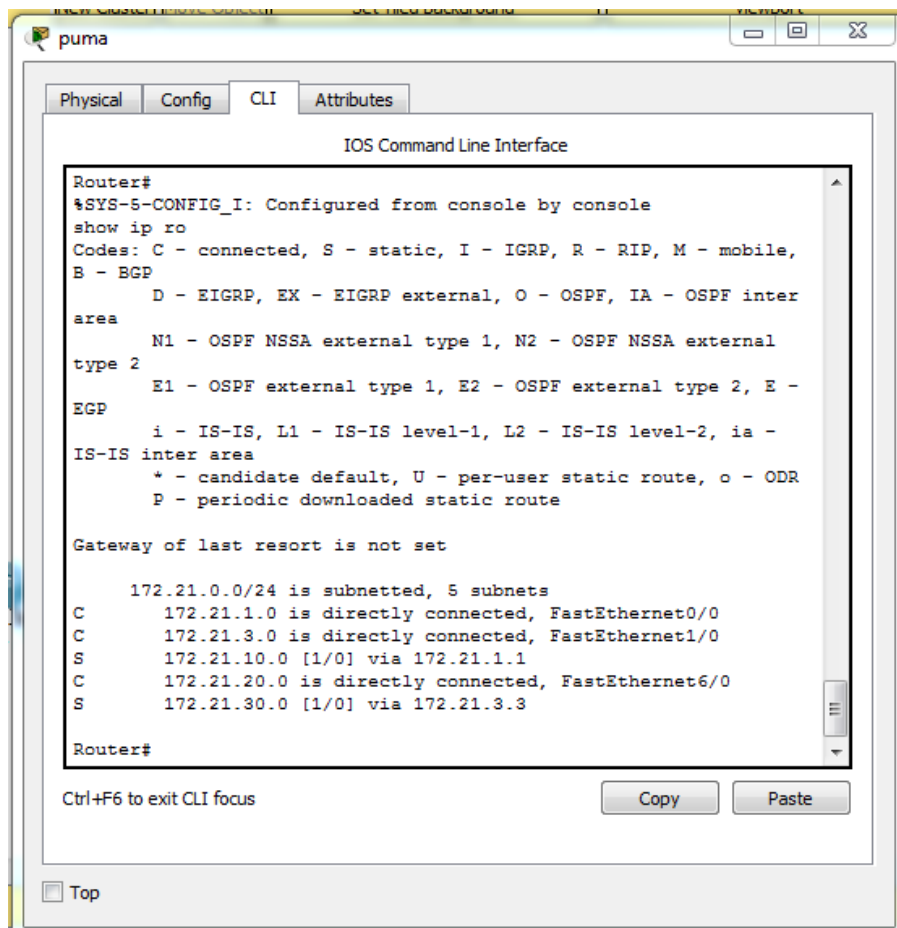
puma
Physical Config CLI Attributes
FastEthernet0/0
Port Status: On
Bandwidth: 100 Mbps
Duplex: Full Duplex
MAC Address: 0001.42E3.1638
IP Configuration:
IP Address: 172.21.1.2
Subnet Mask: 255.255.255.0
Tx Ring Limit: 10
Equivalent IOS Commands:
%LINK-6-CHANGED: Interface FastEthernet6/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet6/0, changed state to up
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Top

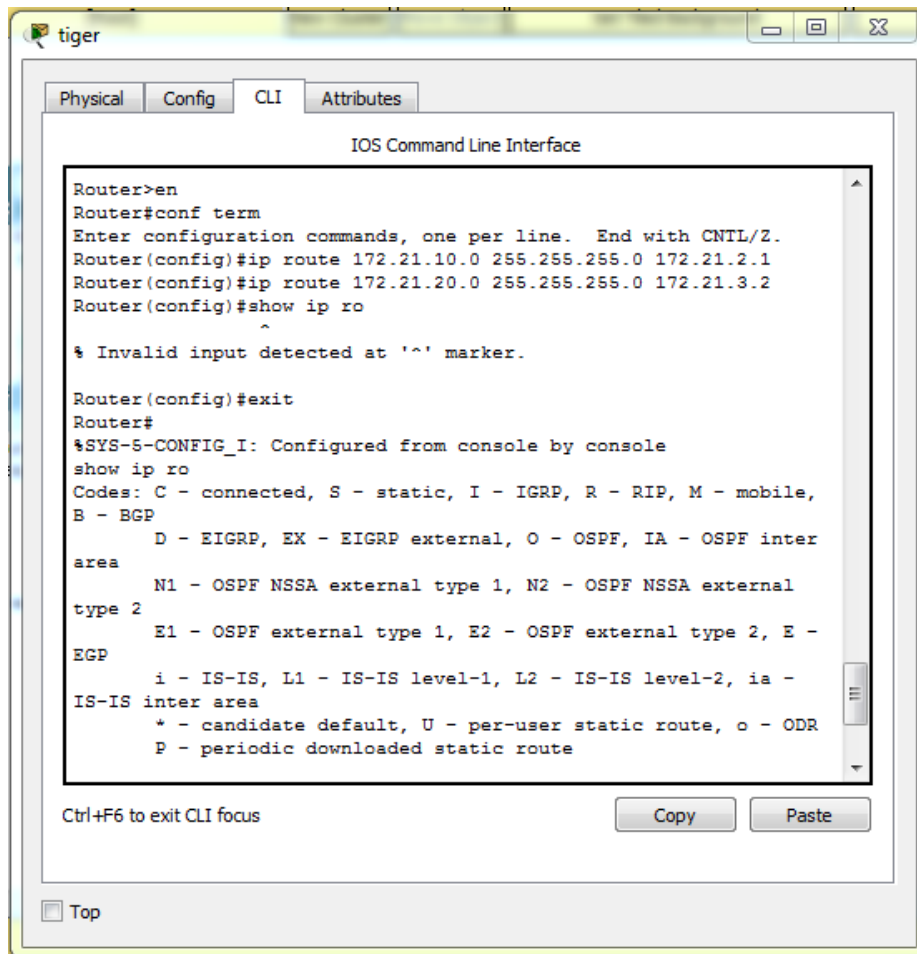


4. Pastikan bahwa konfigurasi telah sesuai dengan topologi praktikum.









5. Simpan konfigurasi seluruh device yang telah dilakukan.
6. Pada *mode user* atau *mode privileged*, lihat route table pada masing – masing router.
7. Dari router eagle lakukan ping ke alamat interface e0 router puma(172.21.20.20). Dari PC leo lakukan trace ke PC aries.
8. Dari PC leo lakukan trace ke alamat interface s0 router eagle (172.21.1.1).
9. Pada *mode user* atau *mode privileged*, tambahkan route table pada masing – masing router untuk setiap alamat jaringan yang tidak terhubung secara langsung dengan interface router.
10. Dari PC leo lakukan ping ke PC aries, dan lakukan pula trace dari PC leo ke aries.

