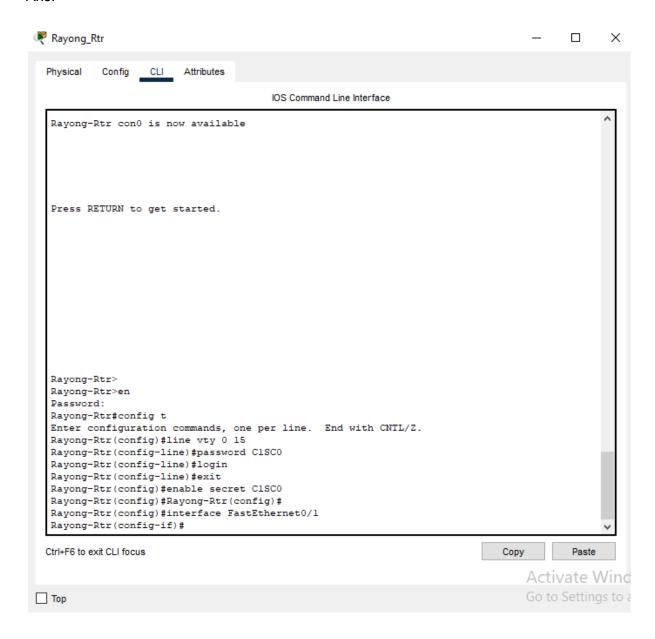
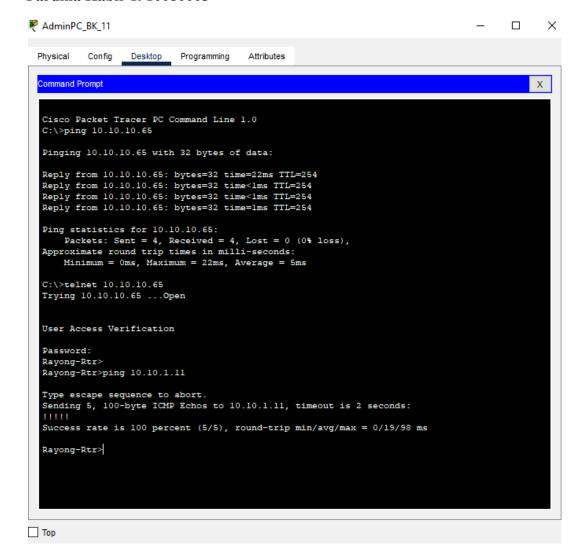
ITE476 - Network II Fardina Kabir 1910080005

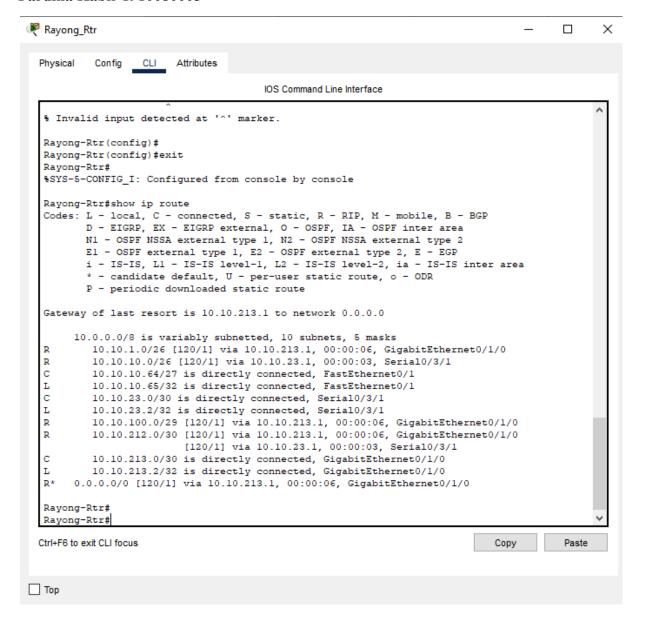
Lab Tasks

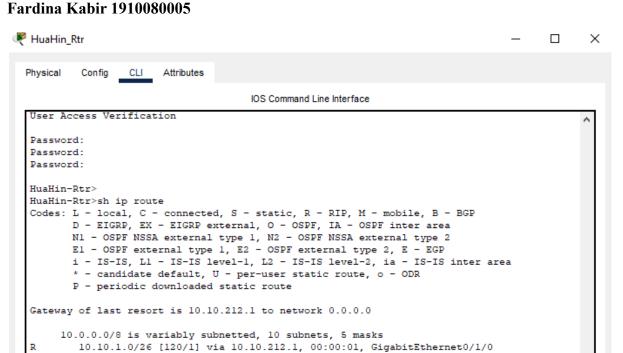
- 1. From AdminPC_BK_11, telnet to the Rayong router. Enable and telnet passwords are C1SC0. Run the show ip route command. Examine the routing table information regarding the route to the 10.10.10.0/26 subnet at HuaHin.
- a. Take a screenshot of the output of the show ip route command.

Ans:









b. What is the next-hop IP address of the route to 10.10.10.0/26?

10.10.10.0/26 is directly connected, FastEthernet0/1 10.10.10.1/32 is directly connected, FastEthernet0/1 10.10.10.64/27 [120/1] via 10.10.23.2, 00:00:25, Serial0/3/1

10.10.212.0/30 is directly connected, GigabitEthernet0/1/0 10.10.212.2/32 is directly connected, GigabitEthernet0/1/0

0.0.0.0/0 [120/1] via 10.10.212.1, 00:00:01, GigabitEthernet0/1/0

10.10.100.0/29 [120/1] via 10.10.212.1, 00:00:01, GigabitEthernet0/1/0

10.10.213.0/30 [120/1] via 10.10.212.1, 00:00:01, GigabitEthernet0/1/0

[120/1] via 10.10.23.2, 00:00:25, Serial0/3/1

Сору

Paste

10.10.23.0/30 is directly connected, Serial0/3/1 10.10.23.1/32 is directly connected, Serial0/3/1

Ans: 10.10.23.1 /30

R

C

R

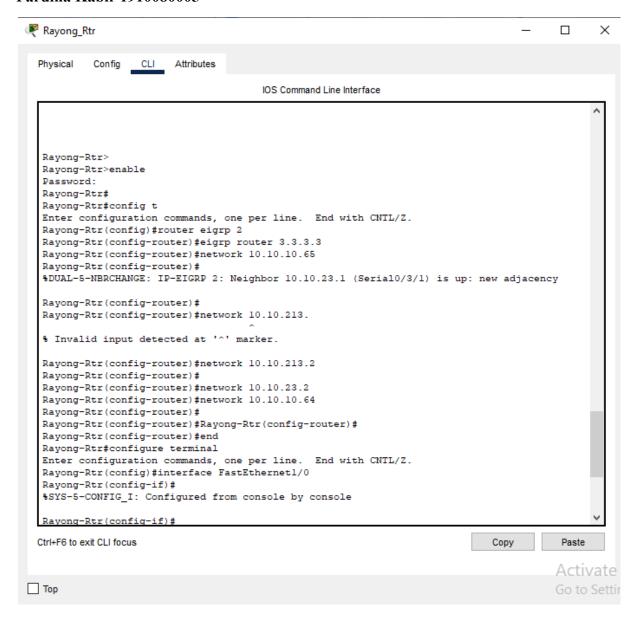
Тор

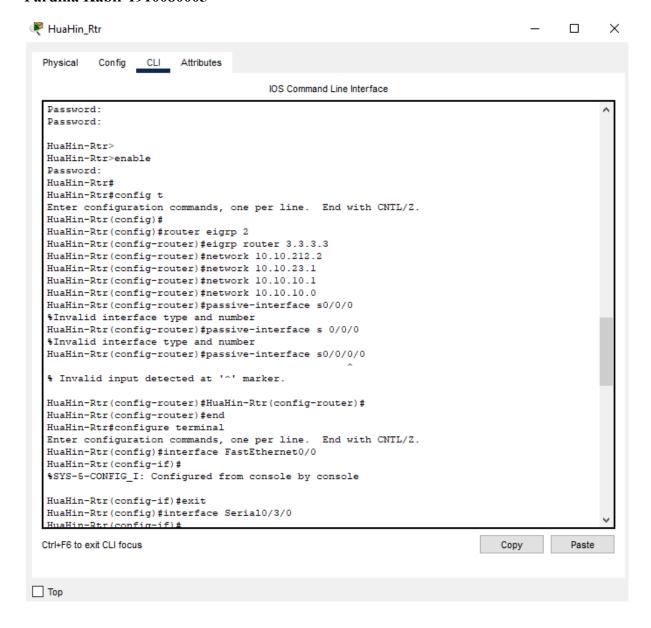
HuaHin-Rtr>
HuaHin-Rtr>
HuaHin-Rtr>
Ctrl+F6 to exit CLI focus

c. What might be a better route for traffic destined for the HuaHin network?

Ans: 10.10.213.1

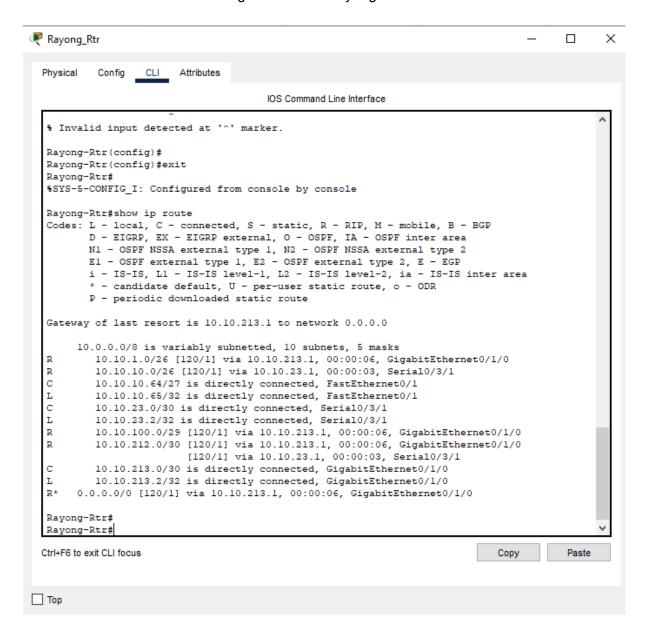
- 2. The company has decided to implement the EIGRP dynamic routing protocol on all routers while keeping the existing RIP v2 protocol in place until EIGRP has been fully tested and proven stable. The Bangkok router has already been configured for EIGRP. Implement the required commands to bring the HuaHin and Rayong routers into the EIGRP Routing Domain.
- a. Take a screenshot of the parts of the running-config file on each router just showing the EIGRP commands that are configured.

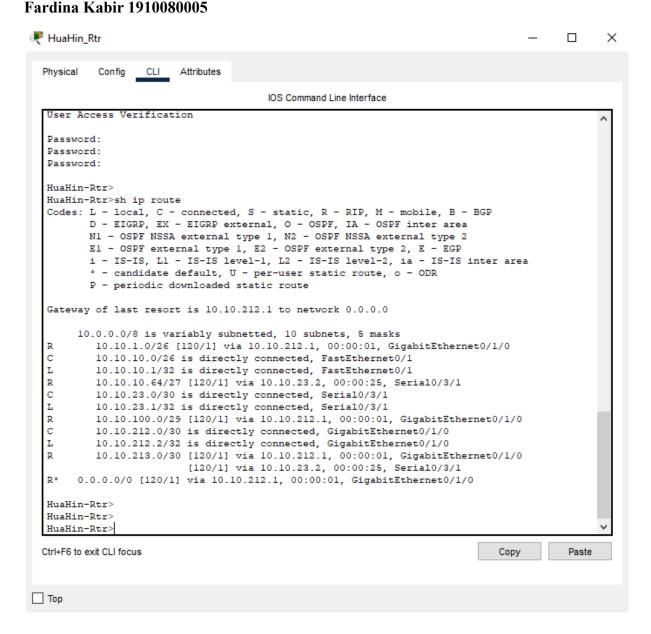




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b. Take a screenshot of the routing table at the Rayong router.





c. Which fields of the Rayong routing table information, about the route to the HuaHin subnet (10.10.0/26), have changed after implementing EIGRP?

The route to Hua Hin 10.10.10.0/26 has changed from 10.10.23.1 (before configuring eigrp) to 10.10.213.1 (after configuring eigrp).

d. What command would help to confirm that the Rayong router has a Feasible Successor route to 10.10.10.0/26?

show ip eigrp topology