

Date: 13/09/2024

Lab Practical #11:

Study the concept of routing using packet tracer. (Dynamic Routing)

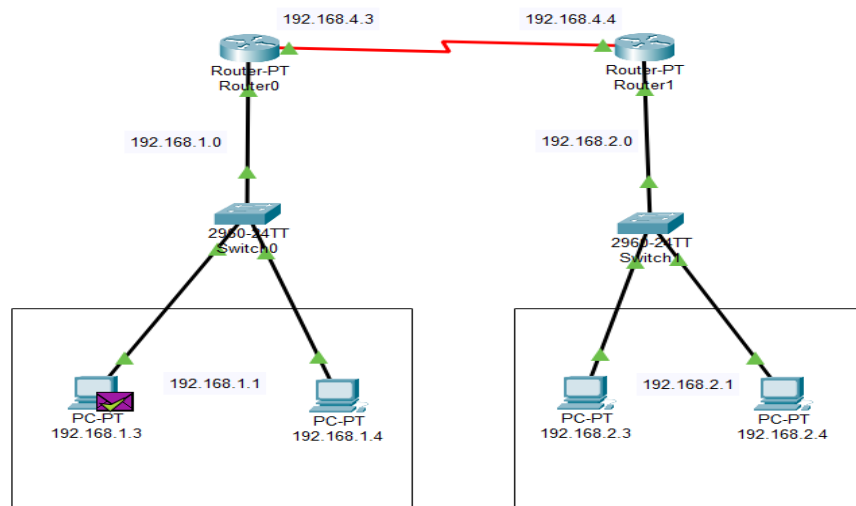
Instructions:

1. RIP routing screenshot with routing table. (Take two or more different networks)
2. Mention IP address of each node and network ID of each network as label.
3. Ping command / Packet transfer screenshot between two different network nodes.

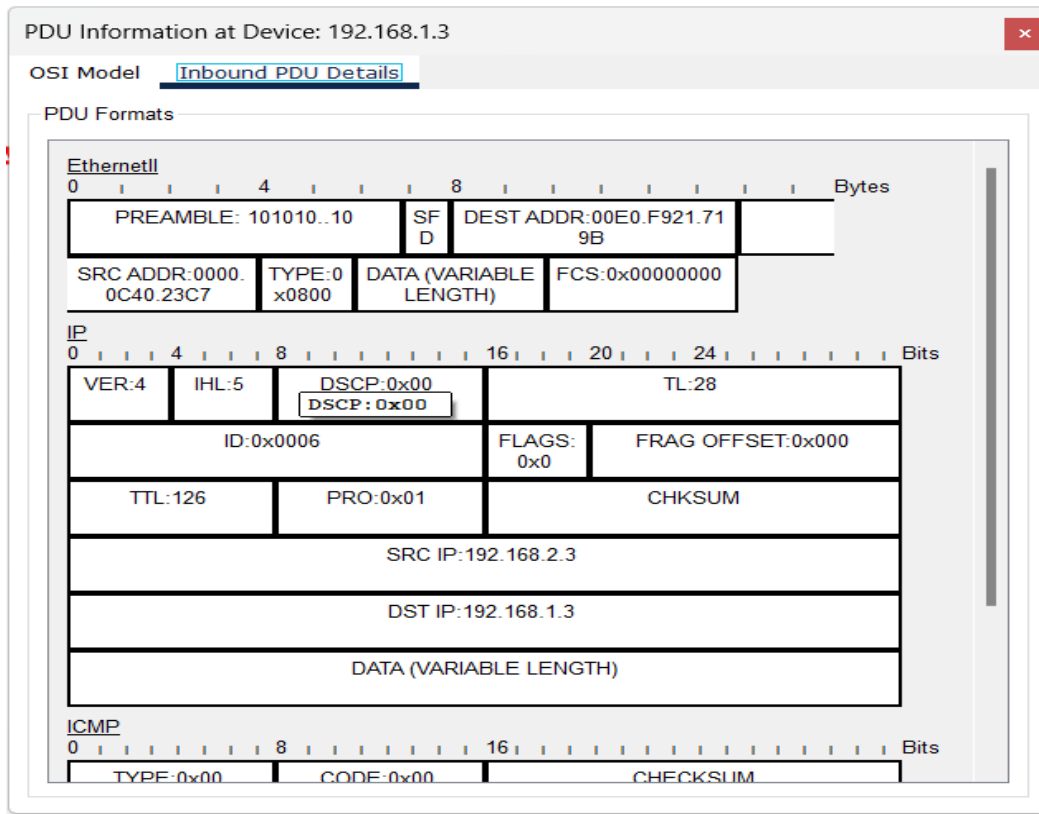
Practical Assignment #11:

1. Connect the two different networks based on the calculated IP addresses and subnet using a packet tracer.

Dynamic:



Date: 13/09/2024





Date: 13/09/2024

Router0

Physical Config CLI Attributes

GLOBAL

- Settings
- Algorithm Settings

ROUTING

- Static
- RIP

INTERFACE

- FastEthernet0/0
- FastEthernet1/0
- Serial2/0
- Serial3/0
- FastEthernet4/0
- FastEthernet5/0

RIP Routing

Network

Add

Network Address

- 192.168.1.0
- 192.168.2.0
- 192.168.4.0

Remove

Equivalent IOS Commands

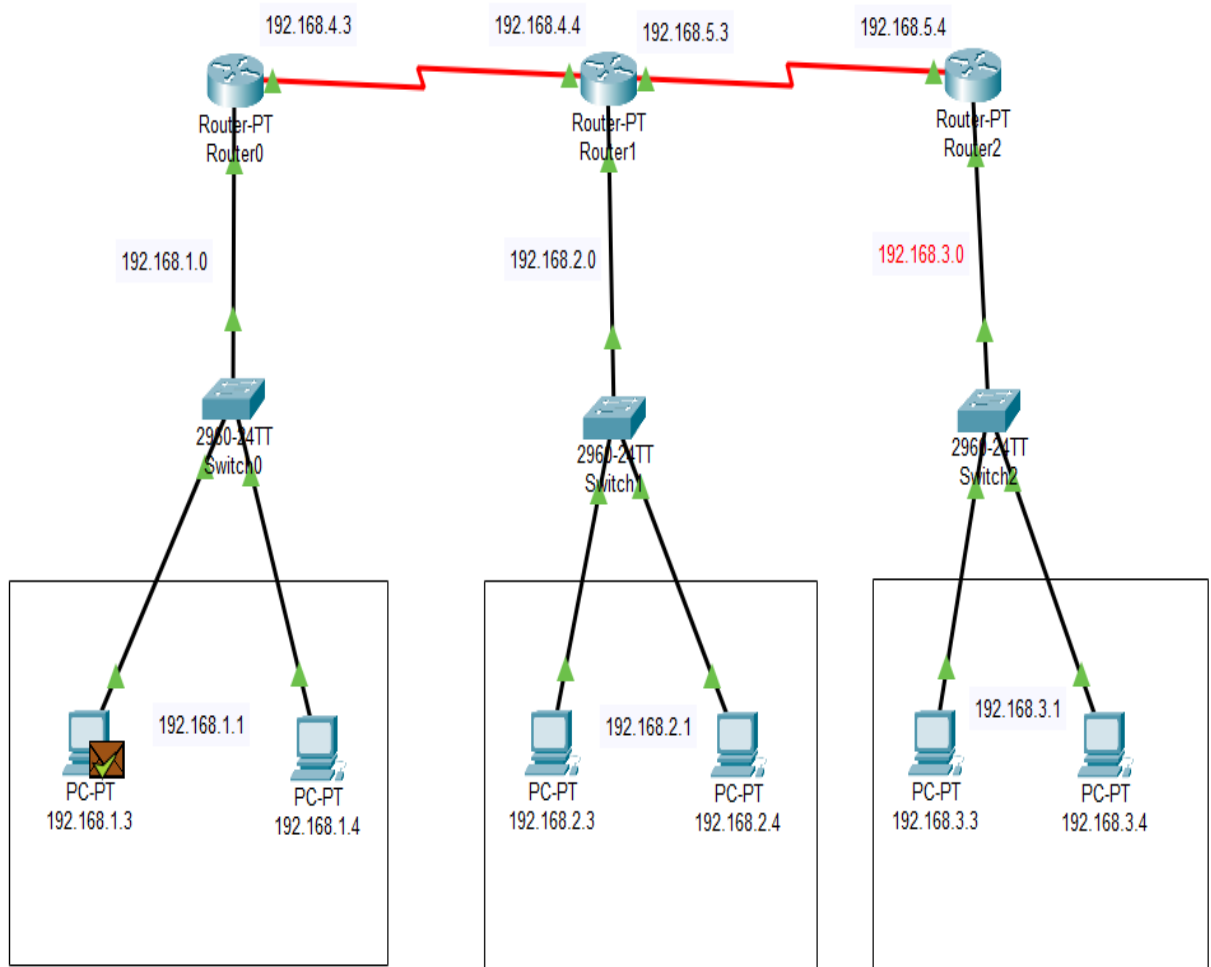
```
Router(config-if)#  
%SYS-5-CONFIG_I: Configured from console by console  
Router(config-if)#exit  
Router(config)#interface Serial2/0  
Router(config-if)#  
Router(config-if)#exit  
Router(config)#interface Serial2/0  
Router(config-if)#  
Router(config-if)#exit  
Router(config)#router rip  
Router(config-router)#
```

☐ Top

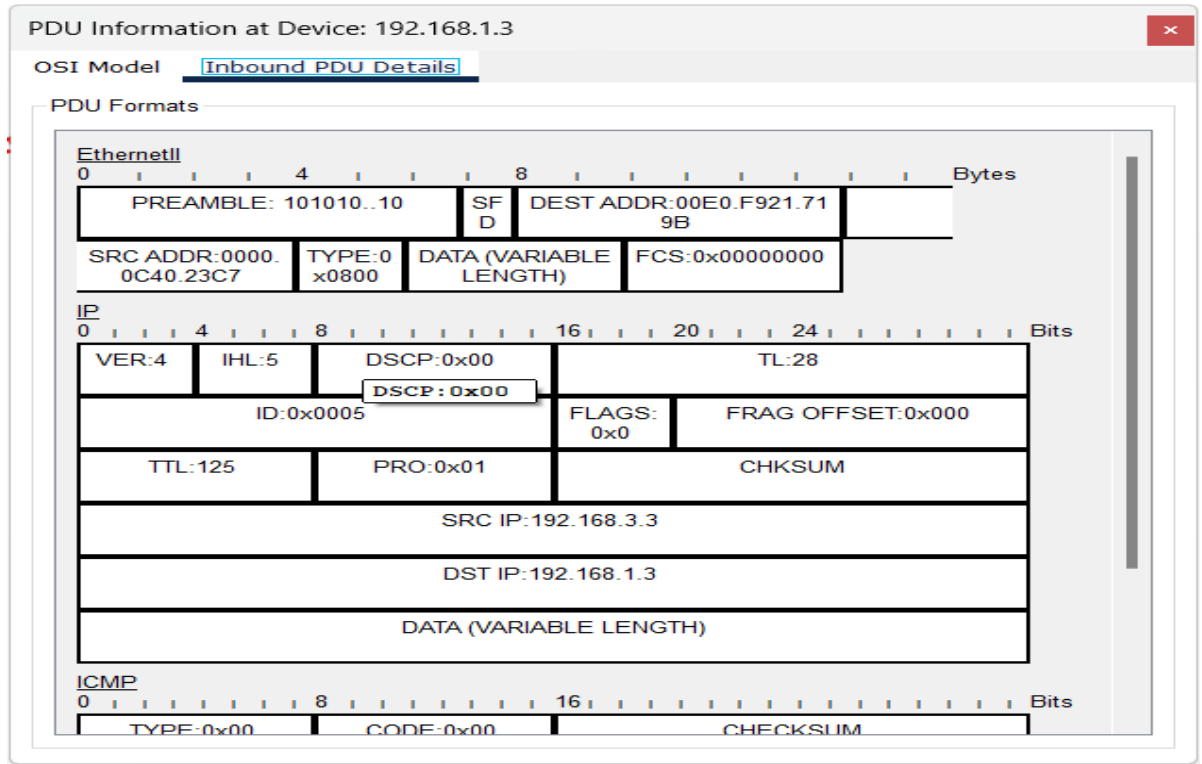
Date: 13/09/2024

2. Connect the three different networks based on the calculated IP addresses and subnet using a packet tracer.

Dynamic:



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Router0
— □ ×

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

RIP Routing

Network
Add

Network Address
192.168.1.0
192.168.2.0
192.168.3.0
192.168.4.0
192.168.5.0

Remove

Equivalent IOS Commands

```

Router(config-router)#network 192.168.3.0
Router(config-router)#network 192.168.4.0
Router(config-router)#network 192.168.5.0
Router(config-router)#
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
Router(config)#router rip
Router(config-router)#
          
```

☐ Top