

Date: 16/09/2024

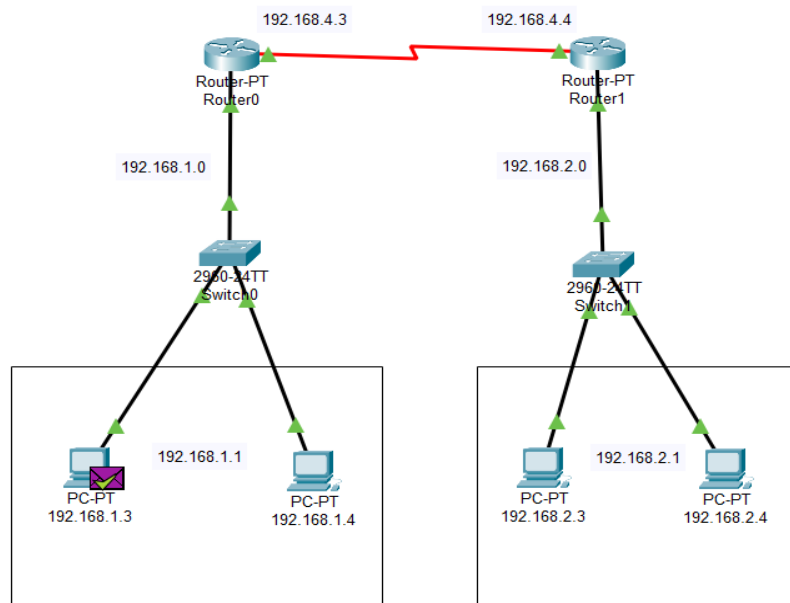
Lab Practical #11:

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

Practical Assignment #11:

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

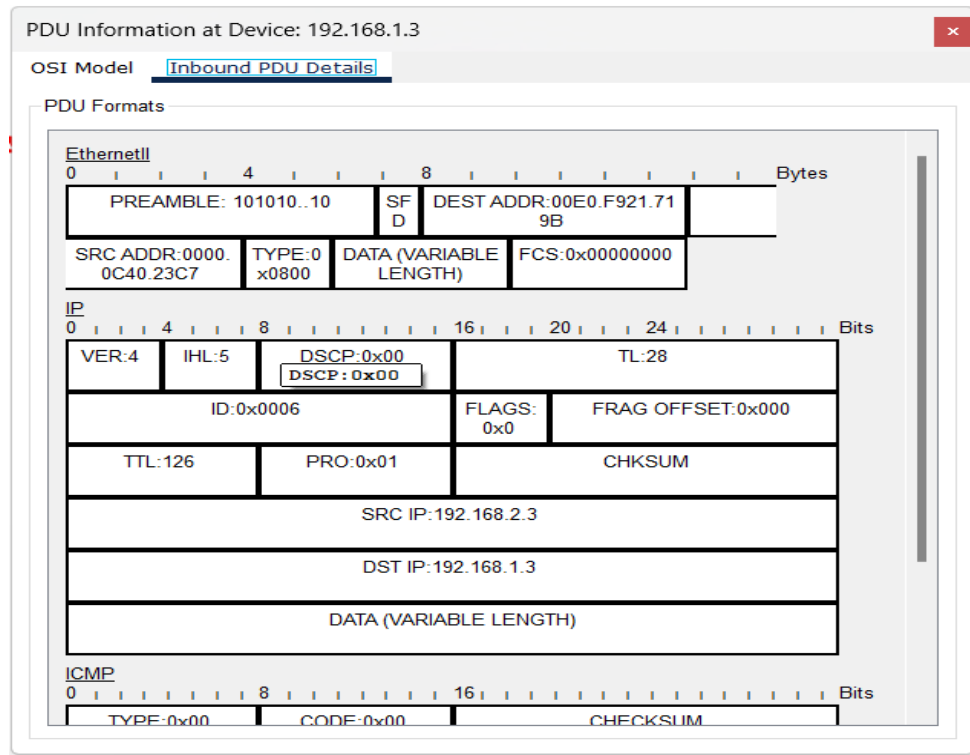
Dynamic:



2.

Date: 16/09/2024

3.



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

Network Address	Add
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

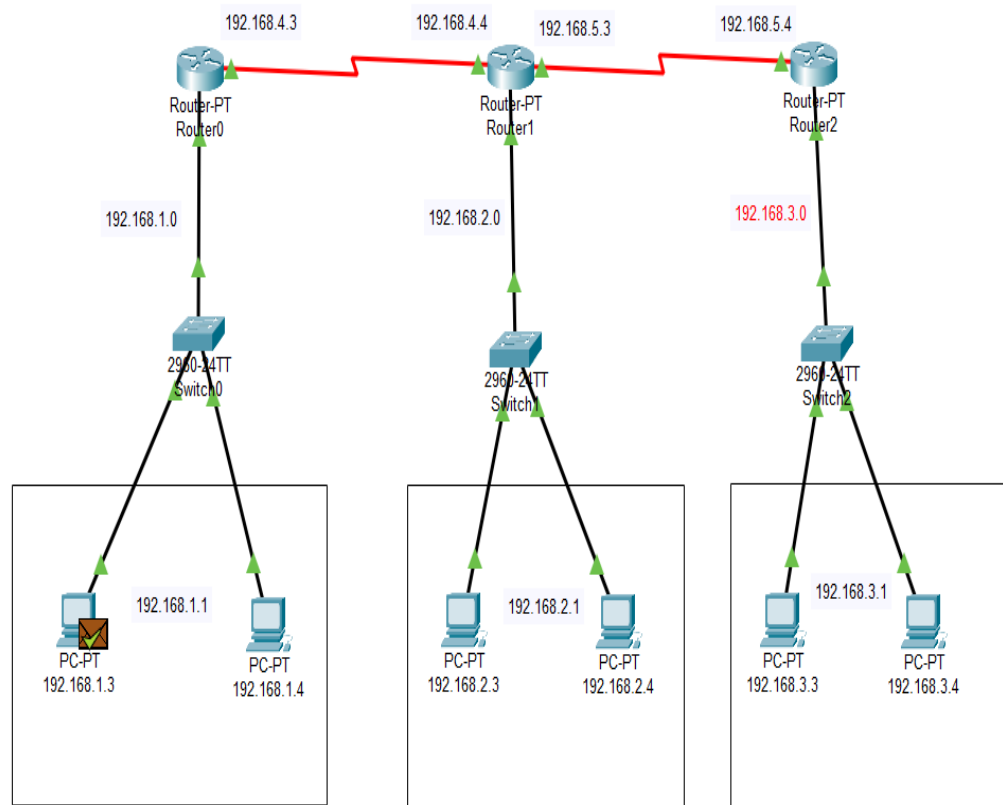
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#
```

☐ Top

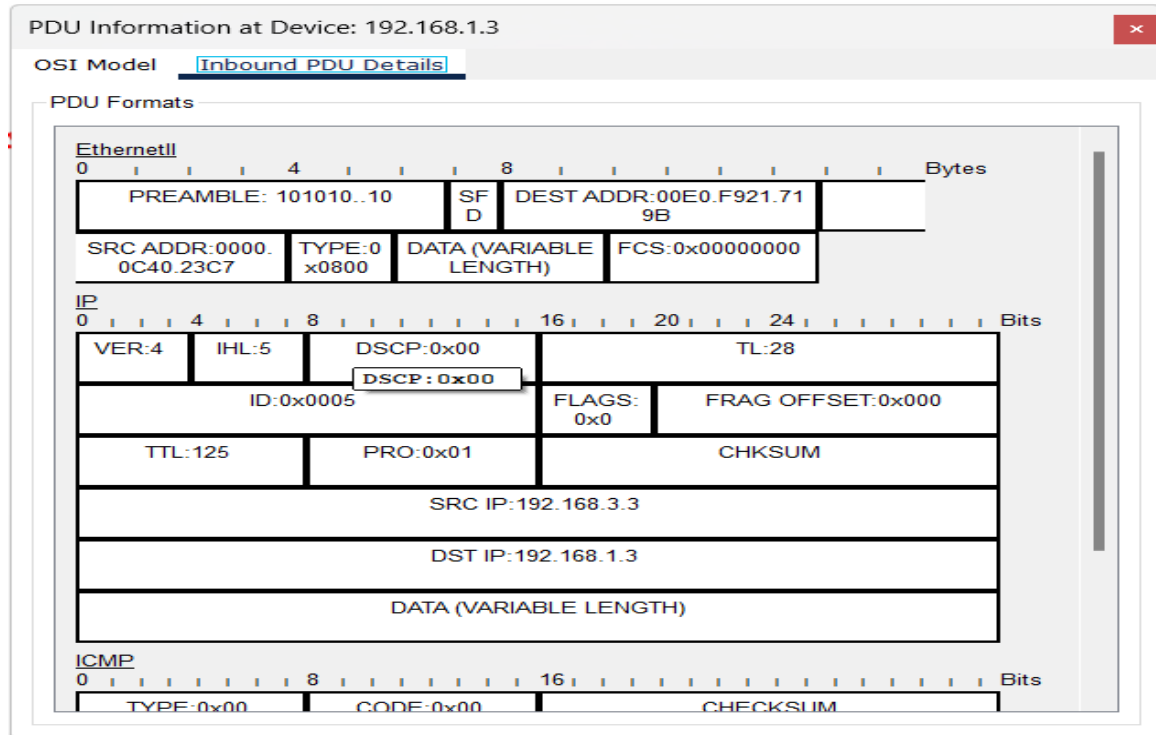
Date: 16/09/2024

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

Dynamic:



Date: 16/09/2024



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

Network Address

192.168.1.0
192.168.2.0
192.168.3.0
192.168.4.0
192.168.5.0

Add 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