

Date: 11 / 10 / 2022

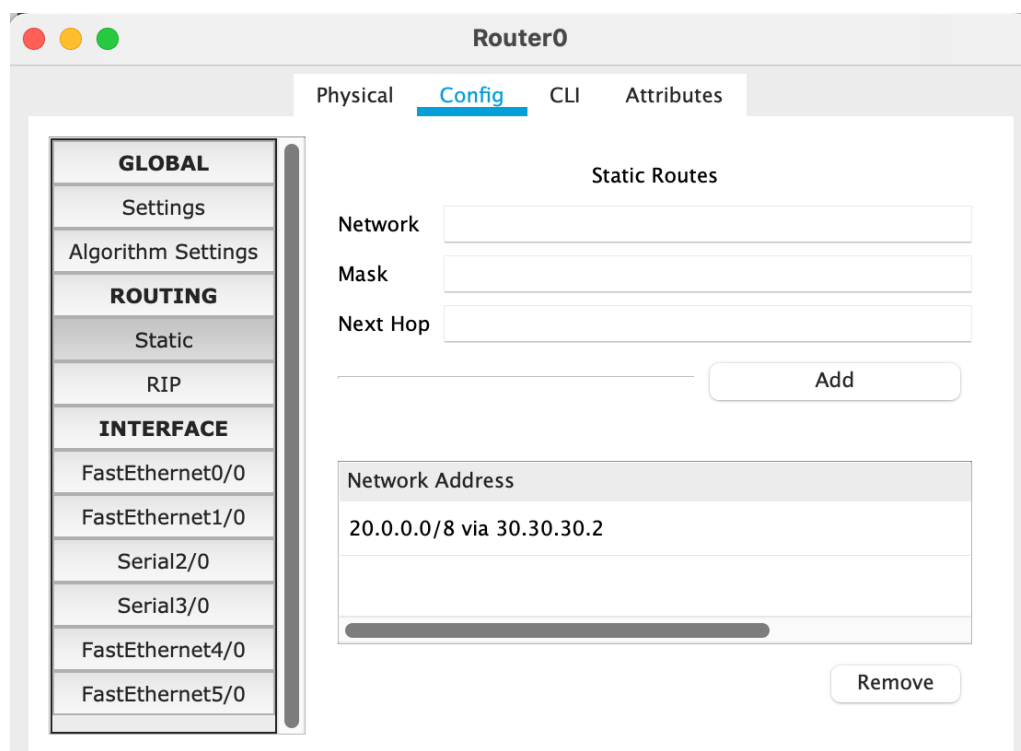
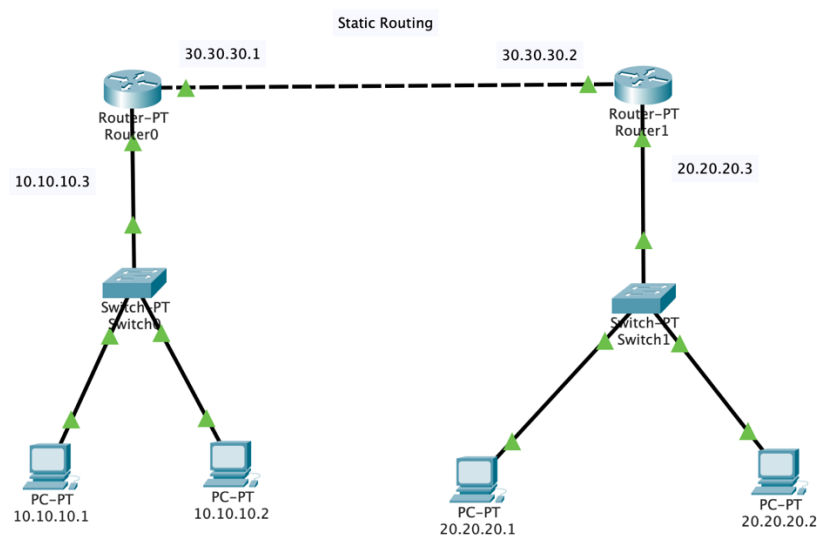
### Lab Practical #06:

Implement the concept of routing.

### Practical Assignment #06:

Implement the concept of routing using packet tracer. (Static & RIP)

## Static Routing



**DARSHAN INSTITUTE OF ENGINEERING & TECHNOLOGY**  
**Semester 5<sup>th</sup> | Practical Assignment | Computer Networks (3150710)**

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Router1Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

Static Routes

Network

Mask

Next Hop

Network Address

10.0.0.0/8 via 30.30.30.1

Equivalent IOS Commands

10.10.10.1Physical Config **Desktop** Programming Attributes

**Command Prompt** X

```
Packet Tracer PC Command Line 1.0
C:\>ping 20.20.20.2
Ping request could not find host 20.20.20.2. Please check the name and try again.
C:\>ping 20.20.20.2

Pinging 20.20.20.2 with 32 bytes of data:

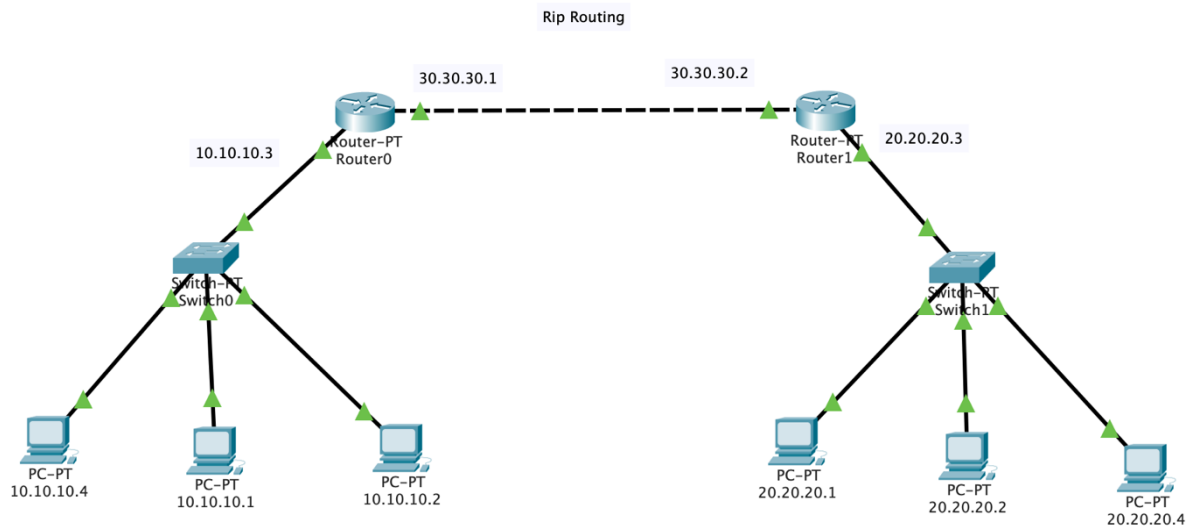
Reply from 20.20.20.2: bytes=32 time=13ms TTL=126
Reply from 20.20.20.2: bytes=32 time=10ms TTL=126
Reply from 20.20.20.2: bytes=32 time=10ms TTL=126
Reply from 20.20.20.2: bytes=32 time=10ms TTL=126

Ping statistics for 20.20.20.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 10ms, Maximum = 13ms, Average = 10ms

C:\>
```

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## RIP Routing



Router0

PhysicalConfigCLIAttributes

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 |  |
|-----------------|--|
| 10.0.0.0        |  |
| 20.0.0.0        |  |
| 30.0.0.0        |  |

Remove

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