

Date: 30 / 08 / 2022

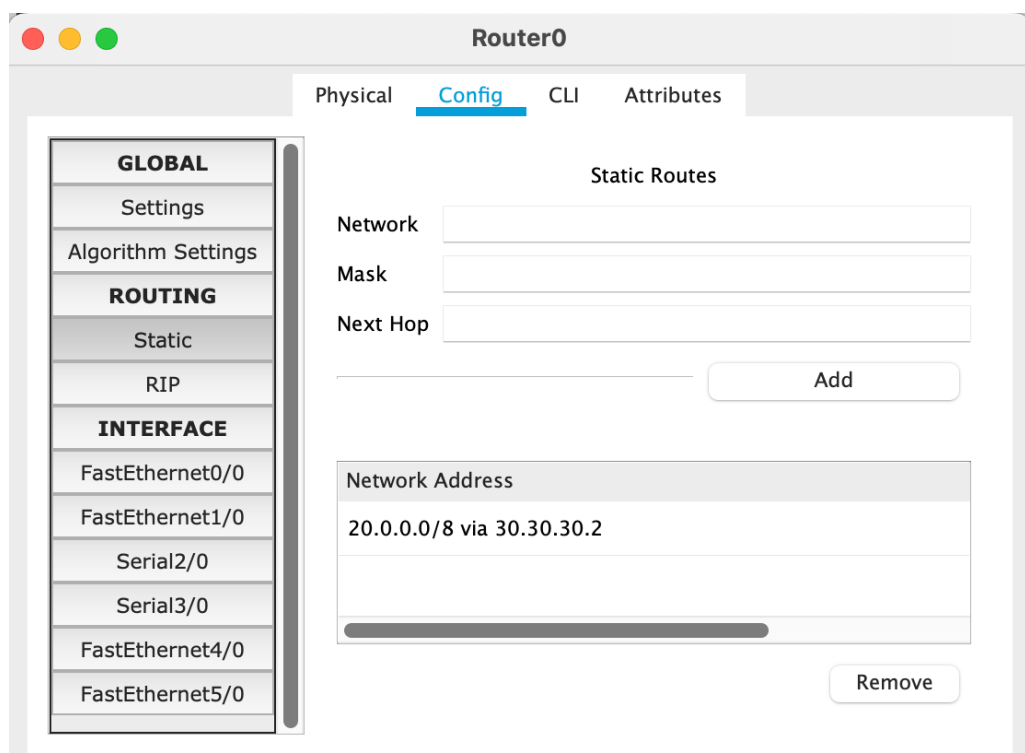
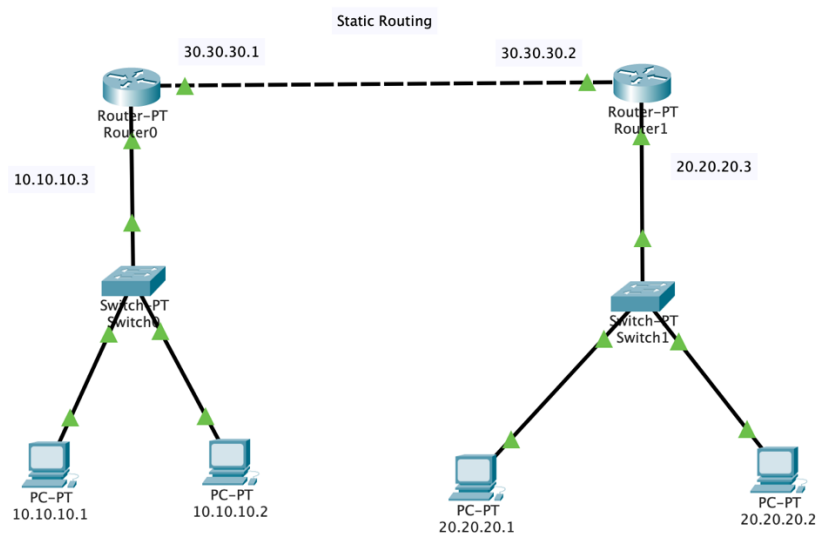
Lab Practical #06:

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 5th | Practical Assignment | Computer Networks (3150710)

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Router1

Physical

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

Add

Network Address

10.0.0.0/8 via 30.30.30.1

Remove

Equivalent IOS Commands

10.10.10.1

Physical

Config

Desktop

Programming

Attributes

Command PromptX

```
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:

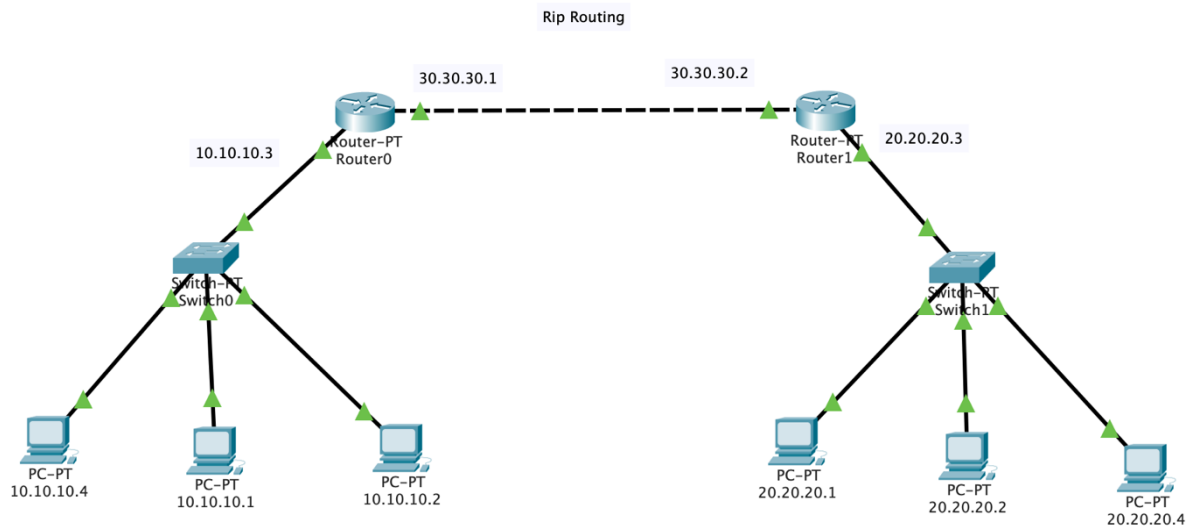
Reply from 20.20.20.2: bytes=32 time=13ms TTL=126
Reply from 20.20.20.2: bytes=32 time=10ms TTL=126
Reply from 20.20.20.2: bytes=32 time=10ms TTL=126
Reply from 20.20.20.2: bytes=32 time=10ms TTL=126

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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