

```
C 10.0.0.0/8 is directly connected, FastEthernet0/0
C 20.0.0.0/8 is directly connected, Serial2/0
S 30.0.0.0/8 [1/0] via 20.0.0.2
S 40.0.0.0/8 [1/0] via 20.0.0.2
```

```
S 10.0.0.0/8 [1/0] via 20.0.0.1
C 20.0.0.0/8 is directly connected, Serial2/0
C 30.0.0.0/8 is directly connected, Serial3/0
S 40.0.0.0/8 [1/0] via 30.0.0.2
```

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Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete	
•	Successful	PC0	Laptop0	ICMP		0.000	N	0	(edit)		

```
S 10.0.0.0/8 [1/0] via 30.0.0.1
S 20.0.0.0/8 [1/0] via 30.0.0.1
C 30.0.0.0/8 is directly connected, Serial2/0
C 40.0.0.0/8 is directly connected, FastEthernet0/0
```

```
C:\>ping 40.0.0.2

Pinging 40.0.0.2 with 32 bytes of data:

Reply from 40.0.0.2: bytes=32 time=36ms TTL=125
Reply from 40.0.0.2: bytes=32 time=34ms TTL=125
Reply from 40.0.0.2: bytes=32 time=30ms TTL=125
Reply from 40.0.0.2: bytes=32 time=26ms TTL=125

Ping statistics for 40.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 26ms, Maximum = 36ms, Average = 31ms
```

Cisco Packet Tracer PC Command Line 1.0

Lab-4 23/10/24 Ques: Configure defauet souter, state souter to the router. Aim: - Configure 2 PCs with 3 porters to create dyfauet router, static souter, this enabling us to ping the other PC. Topology: -30.0.01 20001 10.0.0.1 0 ( ) 30002 Politer PT War By & how 40 0101 Pouler PT Pa 010 fagio sieno sienajugua . I PGRT ... IP 40.0.0.10 TP 10.0.0.10 CM 10.001 Routers: 139 man 239 bus 239 man 139 8" Rower O: IP address: 20.0.0.1

Fallo with PCO

Se 210 with Powlers.

IP addres : 20.0.0.2 Porter - 1:

Se 2/0 with fouters

Se 3/0 with Pouter-2

IP address: 30.0.0.2 Router 2 !

Se 3/0 with Routers

Fa 010 with PCI

End. Devices :-

PCO: IP address: 10.0.0.10

Gatewood: 10.0.0.1

Fa 010 with Router 0.

PCI: IP address: 40.0.0.10

Gatersoy: 40.0.0.1

Fa 010 with Pouter 2

## Procedure :.

- 1. Select 2PCs and 3 Routers and connect them using appropriate connections
- 2. Configure the PCs despective IP address and gateroops.
- 3. Configure the vouters using CLI resulting in all lights to green.
- 4. Obtain IP soute from PCO to the souter O and router 1. Liberaise with PCI to router I and router 2.
- 5. Obtain different default sources for Pointer 0 and Pointer 2.
- 6. Ping PCI from PCO and PCO from PCI.

## Observation

- · All connections of fast externet and serial) have turned green.
- . IP route before set up:

  20.0.0.0/8 is directly connected, Serial 2/0

  30.0.0.0/8 is directly connected, serial 3/0
- · IP route after set up: 5 10.0.0.0/8 [1/0] wa 20.0.0.1

- C 20.0.0.0/8 is directly connected, serial 2/0 C 30.0.0.0/8 is directly connected, serial 3/0 S 40.0.0.0/8 via 30.0.0.2
  - . Parig from one PC to another is successful.
- · So the middle souter (, souters) is set-up work 2 next-hops.
- · Default Router: to transfer when no other route is available
- · Static Poute !- define Route with assigned destination

## . IP soute offer to for Pouter O

C 10.0.0.018 is directly connected, Fast Etherned 010 C 20.0.0.018 is directly connected, Serial 210 S' 0.0.0.010 (110) via 20.0.0.2

## IP soute for Pouter2

© 30.0.0.0/8 is directly connected, Serial 3/0 0.0.0.0/0 [1/0] his 30.0.0.1