

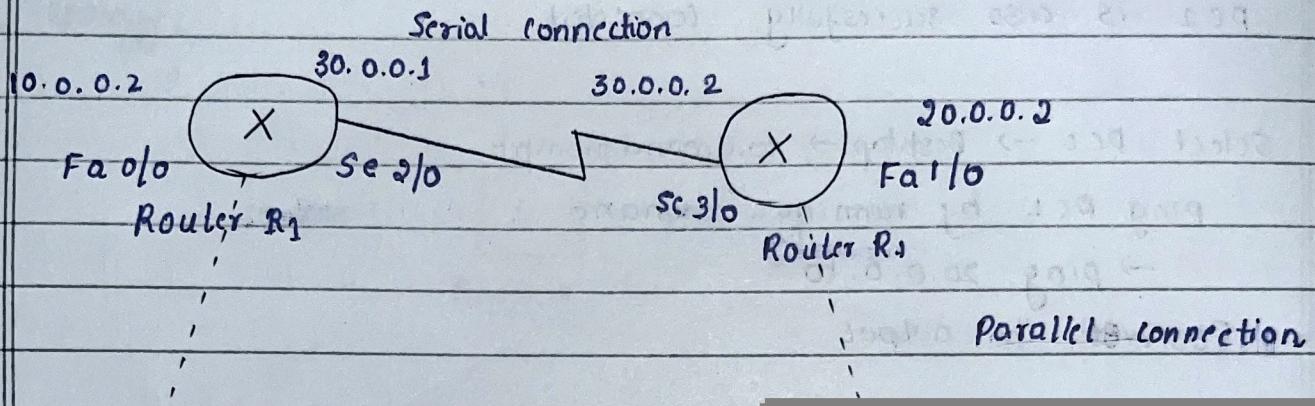
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Lab- 3.

### Router and End devices

Devices used : 2 routers and 2 end devices

Topology :



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Lesson 10 - 1

Now select router R1 go to CLI and execute the following

Router > enable

Router # configure terminal

Router (config) # interface FastEthernet 0/0

Router (config-if) # ip address 10.0.0.2 255.0.0.0

Router (config-if) # no shutdown

"Interface FastEthernet 0/0, changed state to up"

Hence the connection b/w Router & end devices is established.

Now connect router R1 with router R2 using serial cable.

(serially connected)

To setup connection b/w routers again,

- select router R1 and go to CLI.

Router (config) # interface serial 2/0

Router (config-if) # ip address 30.0.0.1 255.0.0.0

Router (config-if) # no shutdown

- select router R2 and go to CLI.

Router (config) # interface serial 3/0

Router (config-if) # ip address 30.0.0.2 255.0.0.0

Router (config-if) # no shutdown

"Interface serial 2/0 changed state to up"  
3/0

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gated at links has end-to-end delay value 10ms with

delay < 10ms

### Observations:

- After setting up the mentioned topology.  
Now try to ping PC2 with PC1.  
Open command prompt for PC1 type ping 20.0.0.1  
Destination host unreachable on # (1) gateway  
packets sent : 4 Received : 0 lost : 4 loss = 100 %

It is also observed that the end system PC1 was only pinged with router R1 only.

ping 30.0.0.1 → successful

packets sent : 4 Received : 4 lost : 0 lost = 0 %

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