

5. This completes the connection between 2 routers and router to PC.

Observation: The PC's are not communicating even when they are connected through the routers.

. On pinging PCO to Fao/o part of the router the message

· on pringing PCO to the other network, the message PSnl rechable

EXPERIMENT: 03 (A)

APM: TO connect the default, static route to the router

Procedure:

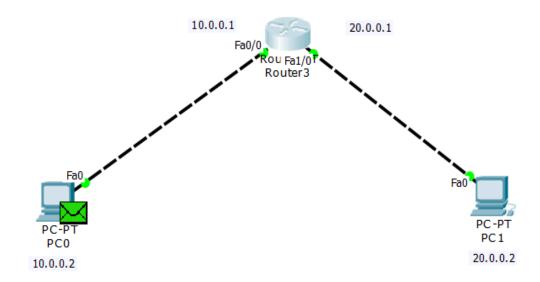
1. By continuing the persons procedure, to connect the PC's so they can communicate with each other, go to router, cu and continue with the following commands.

lp route 20.0.0.0 255.0.0.0 30.0.0.2

2. Thes should be repeated for the other router, which completes the static routing.

Observation: The PC's are now communicated with each other.

TOPOLOGY:



IOS Command Line Interface

```
Router(config-if) #exit
Router(config)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to
show rout ip address
% Invalid input detected at '^' marker.
Router(config) #show ip rout
% Invalid input detected at '^' marker.
Router(config) #exit
Router#show ip rout
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
      D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
      N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
      E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
Gateway of last resort is not set
    10.0.0.0/8 is directly connected, FastEthernet0/0
    20.0.0.0/8 is directly connected, FastEthernet1/0
Router#
```

```
Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.2 with 32 bytes of data:

Reply from 10.0.0.2: bytes=32 time=4ms TTL=127

Ping statistics for 10.0.0.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 4ms, Maximum = 4ms, Average = 4ms

PC>
```