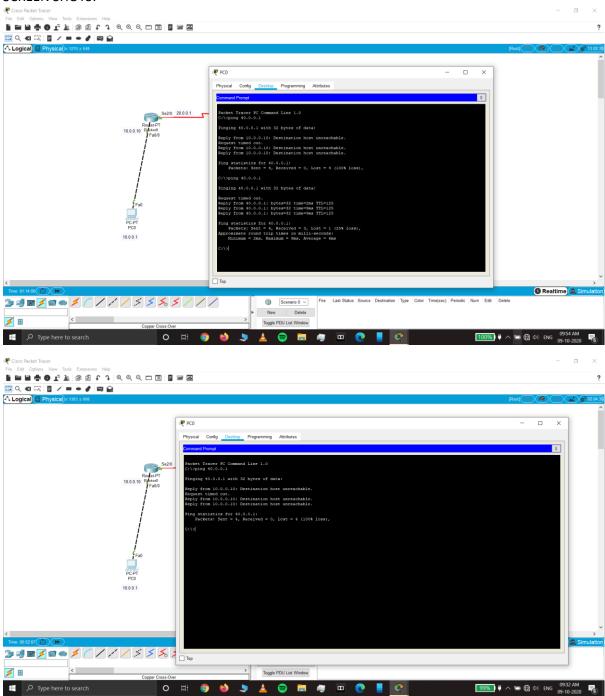
1BM18CS124 Venteatesta Prasada (H 1BM1805124 austin: Penonstrate 17 Routing using 3 nowers Aim: Connert 2 différent networks using 3 routers To pology: 20.0.0.1 Router2 10.0.0.10 10.0.0.1 DCI) conned the PCS to nowters as shown abone Procedure. 2) Set ip & default gateway for each PCS 3) connect the nonter to each other wany serial Interface a) configure IP Routing of each routes. CLI commends: D enaste 2) contig t 3) interface fastethernet 010 4) 18 address 40.0.0.10 255.0.0.0 5) andrew no shut 6) interface serial 2/0 7) ip address 20.0.0.1 255.0.0.0 s) no shut a) I how ip noute 10) il noute 30.0.0.0 255,0,0,0 20.0.0.2

observation: i) when ping from Pe 1 to Pc2 with out configuring the ip nonte, Destination host unneachable 2) After ip switing the above problem solved

SCREEN SHOTS:





Physical Config CLI Attributes

```
IOS Command Line Into
                  cisco Systems, Inc.
170 West Tasman Drive
                   San Jose, California 95134-1706
Cisco Internetwork Operating System Software
IOS (tm) PT1000 Software (PT1000-I-M), Version 12.2(28), RELEASE SOFTWARE (fc5)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2005 by cisco Systems, Inc.
Compiled Wed 27-Apr-04 19:01 by miwang
PT 1001 (PTSC2005) processor (revision 0x200) with 60416K/5120K bytes of memory
Processor board ID PT0123 (0123)
PT2005 processor: part number 0, mask 01
Bridging software.
X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s) 32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)
Press RETURN to get started!
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
Router>
Router>enable
Router#show ip route
Router#show ip route

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

El - 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

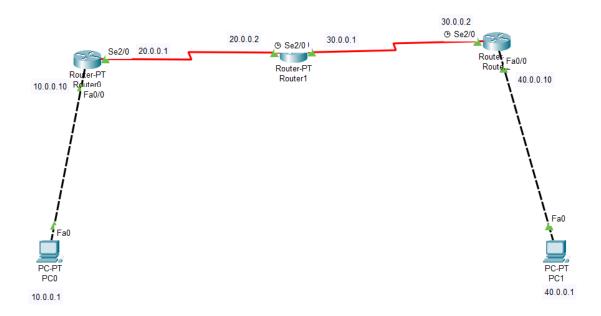
* - candidate default, U - per-user static route, o - ODR

B - revision downloaded static route
            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, Serial2/0
        30.0.0.0/8 [1/0] via 20.0.0.2
40.0.0.0/8 [1/0] via 20.0.0.2
```

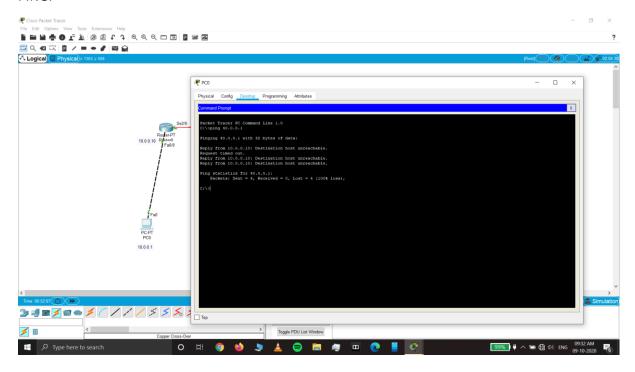
Ctrl+F6 to exit CLI focus

Router#

TOPOLOGY:



PING:



RESULTS:

