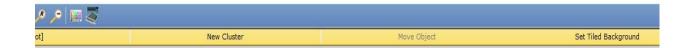
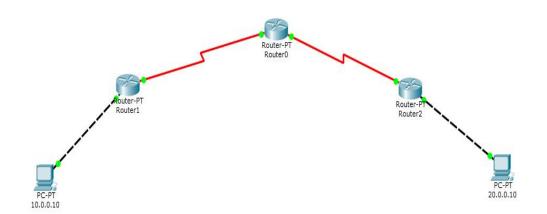
CN LAB -02 (Continued) 30/06/2023

USN:1BM21CS172

Depict static connection between 2 routers in a topology of routers.

TOPOLOGY:





CLI COMMANDS:



- ð X

Router0 Physical Config CLI IOS Command Line Interface %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up %LINK-5-CHANGED: Interface Serial2/0, changed state to down %LINEPROTO-S-UPDOWN: Line protocol on Interface Serial2/0, changed state to down %LINK-5-CHANGED: Interface Serial2/0, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up Router>enable Router#configure terminal Enter configuration commands, one per line. End with CNTL/Z. Router(config)#interface Serial2/0 Router(config-if)‡ Router(config-if) #exit Router(config) #interface Serial3/0 Router(config-if) #exit Router(config)# Router(config) #exit Router# %SYS-5-CONFIG_I: Configured from console by console 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 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 C 30.0.0.0/8 is directly connected, Serial2/0 C 40.0.0.0/8 is directly connected, Serial3/0 Router# Router#enable Router‡configure terminal Enter configuration commands, one per line. End with CNTL/2. Router(config) #ip route 20.0.0.0 255.0.0.0 40.0.0.1 Router(config) #ip route 10.0.0.0 255.0.0.0 30.0.0.1 Router(config) #exit Router# MSYS-5-CONFIG_I: Configured from console by console 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 S 10.0.0.0/8 [1/0] via 30.0.0.1

Router#







S 20.0.0.0/8 [1/0] via 40.0.0.1 C 30.0.0.0/8 is directly connected, Serial2/0 C 40.0.0.0/8 is directly connected, Serial3/0

















```
IOS Command Line Interface
subject to restrictions as set forth in subparagraph
(c) of the Commercial Computer Software - Restricted
Rights clause at FAR sec. 52.227-19 and subparagraph
(c) (l) (ii) of the Rights in Technical Data and Computer
Software clause at DFARS sec. 252.227-7013.
           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 SOTTWARE (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!
%LINK-5-CHANGED: Interface Serial3/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernetO/O, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Serial3/0
Router(config-if) | proute 10.0.0.0 255.0.0.0 40.0.0.2
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
      D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
      {\tt N1} - OSPF MSSA external type 1, {\tt N2} - OSPF MSSA 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
S 10.0.0.0/8 [1/0] via 40.0.0.2
    20.0.0.0/8 is directly connected, FastEthernet0/0
    40.0.0.0/8 is directly connected, Serial3/0
```



PING COMMANDS:

