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	TP address to nouters in carket
·×	Enp-2 Configure IP address to nouters in parket Enplore ping responser destination unneachable, requi-
	Ain: To connect two per on two different fines
1	Ain: To connect two ton out,
	networks using a norter neply
	the same all the calculations are the calculations and the calculations are the calculations
1	Topology:
	10.0.0.1 (20.0.0.1
	Fa Olo Router - e Fa VO
	Fao Router O Fa O
	PC-PT PC I
	860
	dy gateway 10.0.0.1 del gateway 20.0.0.1
1.	PCO: Connected to nouter's interface Fa do uring a
	erons-over cable.
	IP address: 10.0.0.10
	Default Cnateway: 10.0.0.1
	the sound works I to (1 - pulsas) and any
2.	PCI: Connected to the nouter's interface Fa 1/0
	using a cross-over cable
	IP address: 20.0.0.10
	Refault Grateway: 20.0.0.1
3.	Routen:
	Interlace Facto connected to PCO
	Interlace Fa 1/0 connected to PCI
	Il address of Fa 010: 10.0.0.1
	IP address of Fa1/0:20.0.0.1
	La transport of the state of th
	109.00
	Markey on the same and the same of the sam

brocedure:

components onto the workspace:
Router: Place one nouter in the middle

Per: Place two per on either side of the norter

2. Use Gross-over cables to connect the devices as follows:

PCI -> Router's Fallo interface

3. configure the nonter by clicking on the router and enter the CLI

Assign IP addresses late

Assign IP addresses to the nonter interfaces: Router > enable

Router # configure terminal

Router (config - if) # ip address 10.0.0.1 255.0.0.0

Router (config - if) # no shutdown

Router (config-jf) # ip address 20.0.0.1 255.0.0.0
Router (config-jf) # no shutdown

4. Configure the PCs:

* click on PCO and set the IP Address to

default gateway to 10.0.0.1

PCI:

* click on PCI and set the IP Address to 20:0.0.10, subject mask to 255.0.0.0 and default gateway to 20.0.0.1 5. Fest connectivity by opening the command prompt on PCO & PCI Use the ping command to check connectivity: From PCO, ping PCO's IP(20.0.0.10) from PCI, ping PCO's IP(10.0.0.10)

Observation:

- 1. If the configurations and cabling are correct,
 you will receive successful ping replies b/w the
- 2. If there is no connectivity, toouloleshoot by verifying: correct IP addressing, cabling type both nouter interfaces are up & running.
- 3. Routing table is observed as following: Router > show ip groute

Godes: C-connected, S-static, I-IGRP, R-RIP, M-mobile, B-BGP, D-EIGRP, EX-EIGRP enternal, O-OSPF, IA-OSPF inter area, NI-OSPF NSSA enternal type 1, N2-OSPF NSSA enternal type 2, EI-OSPF enternal type 1, E2-OSPF external type 2, E-EGP, i-IS-IS, LI-IS-IS level-1, L2-IS-IS level-2, ja-IS-IS inter area, *- candidate default, U- per-user static noute 0-ODR, p-periodic downloaded static

Gateway of last great is not set

c 10.0.0.0/8 is directly connected, Fast Ethernet Old C 20.0.0.018 is directly connected, fast Ethernet 1/0