PAGE NO : DATE: 23 10 24 LAB-04 Objective: Demonstration of static and default ronting three raters ( and two end devices) Topology: 30.0.02 20.0. b. 1 20.0.0 2 30 0. b. 1 Se 310 Se 310 Rower Fallo RouterPT FADOU PONTAPT Ronter2 Poutai Rowlero 40.0,01 1 10.0.01 Fap + & Fab PC-PT PC-PT PCO 40.0.0.10 10.0.0.10 Procedure: Select three generic routers Ro, RI and RZ Select two generic PCS PCD and PCI Connect PCO with RO and Act with R2 with copper crossover wires, establishing fast ethernet Connect RO with RI and RI with Re wing serial wires, establishing serial connections Set the IP addresses and default gatenoys shown in the figure. An rowter o, do senable # config terminal A interface factethernet 0/0

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		DATE:
	# ip address 10,0.0.1 255.0.00	a di ft
	the shutdown	and the second second
	"Interface Fast Ethernet olo,	changed state to no"
	+ exit	
	# interface serial 2/0	in the same of the
	Hip address 20.0.0.1 255.0	,D. D
	# no shotdown	
	" Antegace Senal 2/0, change	ed state to down"
P.A.	# exit	
	- In router 1, do	
	zenoble	
	# config terminal	to the second second
	# interface   Serial 2/0	4344 18
	# ip address 20.0.02 2550	, o, D
	# no shat	and the second second second
2	"Anterjace serial 210, change	d state to up"
	# exit	Inablah A
	A) interface serial 3/0	hands & govern
	# ip address 30.0.0,1 255.	0,0.0
	# no shut	in walling the same
	# "Inderface Sorial 3/0, chan	ged ctate-to down"
	# exit	Artista de la companya del companya della companya
	"Antogace Serial 3/0, changes	d state to up"
	-> 4n monter 2, do	The state of the s
ACL.	renable	Sport mills
	the config terminal	Translate the cold in
	It interface serial 30	ALEXANDER DE LA COMPANION DE L
	# ip a above 30.0.0.2 255.0	0, 0, 0
	th no shut	Janes III
	"Anterface Serral 3/0, change	of state to hy
		1 (12)
	# interface serial efectathe	met 1/0
	# interface serial frotathe	and the second

	PAGE NO : DATE :
	# ip coldress 40.0.0.1 255.0.0.0
-	the shul
-	"Interface Foret Ethernet 1/0, alonged state top"
	To get up Static monting in morter Pl, do
	Zemble
	41 show ip mate
	"C 20 000/8 is directly connected, serial 2/0"
	"C 30.0.0.018 is directly connected, Serial 310"
	theoping terminal
	# ip morte 10.0.00 255.0.00 20.0.0.1
	# ip route 40.0.0.0 255.0.0.0 30.0.0.2
	#1 exit
	Hi chow ip norte.
	"
	S 10.0.0.0/s [1/0] via 20.0.01"
	"c 20.0.0.018 is directly connected, Senil 210"
	"5 100,0,0,0 is alirectly connected, send 3/0"
ī	3 40.0.0.0 8 Mg 30.0.0.2"
	To get up Default routing in Po, do:
	> enable
	# config terminal
	# 'p mote 0,000 0,000 200.02
	therital and the same and the s
	It chow is mute.
	"c 10.0.0.0/8 is directly connected, to stothemetals
	"c 20.0.00/8 is directly connected, Serial 2/0"
	"st 00.0.00 [Va]
	"st 00.0.00 [1/0] na 20000"
	> To set up Default norting in Re, do:
	A real parties
	# config terminal
	#1 1p mile 00.00 00.00 30,00.

# exit

	# show if note
	"C 30.00.0/8 is directly connected, Serial 3/0"
	"C 40.0 0.0/8 is directly connected, Serial 310
	"C +0.0.0.0/8 is directly connected, Fast Etheret 1/0"
	"st 0.0.0.00 [1/0] via 30.0.0.1"
10	oserrations:
	After setting up the mentioned topology.
	en attempt was prade to ping Pal from PC2
-	Pro:
	PCD:
	> ping 40.0.0.10
	"Packets: Sent = 4, Received = 3, Lost = 1 (251/ Loss)
	Pc2:
	> ping 10.0.0.10
	"Packets: Sent : A Received : 4, Lost : 0 (07. Loss)"
	It was understood that while static renting
	enables identification of neighborning networks
	already present, default morting is essential
1000	to encure proper identification and redirection
	of packets from derice IPs which are not
	recognized.
97	It was observed that the fritial ping had
. 0	21 is a hote to identify the destination
23/10/	be the process
	The later ping did not have any "request
	timed out", and was successful with ox loss
	since the netroork is already identified.