## Computer Networks: Lab Record

## Week 4

## **Experiment 4: Static Routing and Default Routing**

Configure default route, static route to the Router

1 /	LAB NO- 4
23/10/24	STATIC ROUTING 3 DEFAULT ROUTING
	Aim: To configure default louting and stabil louting to the souther
	The Arthurs of the Association and the Associa
	Toporohi
	10.0.0.1 20.0.0.1 20.0.0.1 30.0.0.1 30.0.0.1
	Poutur Poutur
	PC PC PC 40.0.0.10
	Gesterry 10.0.0.1 Grateway 40.0.0.1
	PROCEDURE:
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2.]	Cornet PC's to Route O & Route Lay over
3]	
4.]	very serial DCE
	in the CLI ving previous xommand lines
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- 11	

	Bafna Gold— Onto: Page:
5:1	Static Routing:
	To configure ip routes manually dather than dynamic routing  - Route I must know about the 10.0.0.0  network and also the 40.0.0.0 network  - To achieve this:  Open CLI in Route 1:  Route (config)# ip route 10.0.0.0 255.0.0.0 20.0.0.1  left network  Route (config)# ip route 40.0.0.0 255.0.0.0 30.0.0.2
6:J	Prefault Routing:  The route that takes effect when no other court is available for an IP distinction address  Go to Route 0:  (config)# ip route 0.0.0.0 0.0.0.0 20.0.0.2  In Porta 2:  (config)# ip result 0.0.0.0 0.0.0.0 30.0.0.
7.]	ging 40.0.0.10 from 10.0.0.10
	OBSERVATIONS:  1P south for Routa [:  S 10.0.0.0/8 [1/0] via 20.0.0.]  C 20.0.0.0/8 is diently corrected Social 210  C 30.0.0.0/8 is diently connected, Social 3/0  S 40.0.0.0/8 [1/0] via 50.0.0.2
Servi	C → connected S → Static  the two networks are connecting via  static souting

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×	In Route O:
~	In Court V:
-	C 10.0.0.0/8 is diestly connected, Fact Ethentolo
~	C 10.0.0.018 as areas of some tel Sound 210
	C 20.0.0.018 is dietly consitely Seeid 2/0
1	8 * 0.0.0.0/0 [1/0] via 20.0.0.2
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g)	S*: Stalis defautt contry
4 - 4 75 7	Contract The air At Contract
24	ping way succenful:
	lent = 4, Received = 4, Cost = 0
	Min = 8 mg Mass = 8 mg Avy = 8 mg
1	
	and the rest of the "
	OH.
	25/10
2.07	

## Screenshots:













