EXPERIMENT-4

Configure default route, static route to the Route

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	Expo	Rimen-1-4		
Aim:	oufigure DHC1	o within a	LAN and o	Asil LA
Topolog	14:			
	Swit	tch		
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Page 1	10.0,1	210 20.0,0.20		
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2 ho	t 3 and of	devites and post obtains to be in see	l source 1 ly de l'agent l'agent buy	ca call
	IP addiess IP addiess			

(A) Chick on end device go to desktop tab go to IP configuration . Select DHCP. Repeat parcors for all end devices within the LAN. 1 Ping and devices and observe output 6 Add one souter, a switch and two end 1 Change were good and set start IP adolers to (3) Configure 2 soutes IP address. Use the following commands (i) enable Route > enable www courting t Router # config t Router (config) # integlace < post>
Router (config-igh) # ip address

ip address < subset mash? Routes (config-i)) + no shut Routes (config-if) # exit @ Go to server and set galeway as 10.0.0.10 10 Move to saites CLI, integale connecting LAN. Use command Routes (config - 1) H ip helpes address (some ipaddress)

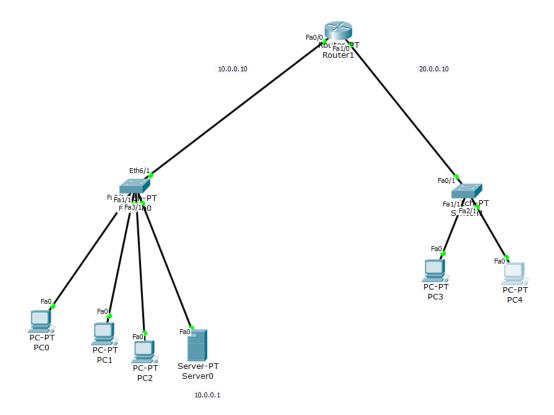
Routes (config - 1) H ip helpes address 10.0.0.1

(1) Repeat whep of you all end devices in seconday LAN. 12) Ping and devices and observe arbut Result ping 10003 Pinging 10003 with 32 bytes of data

Date____Page_ TTL = 127 time = amus Reply from 10.0.0.3: hytos 32 TTL = 127 time = omis Reply from 10.0.0.3: byte=32 TTL= 127 time= lunes Reply your 10.60.3: higher=32 TTL = 127 time = oms Reply Ken 10-0-0-3: bytes= 32 Ping statistics from 10.0.0.3. gached sent=4, Recieved=4, Lost=0 (0/Los) Appaoximate sound taip times in milli seconds Minimum = Oma, Monimum = Imus Ausago = Oms ping 20.0.0.2 pinging 20.0.0.2 with 32 bytes of data Request Lined out Reply from 20.0.0.2: bytos= 32 line= ans TTL=127 Reply Jon 20.0.0.2 bytes=32 dim= Oms TTL=127 Reply som 20.0.0.2 bytus=32 time= Omes TTL= 127 Ping istatisticis Jos 20.0.0.2

Packets sent=4, Recieved=3, Lost=1 (25/Loss) Approximate sound trip times in milli seconds Minimum 20ms, Maximum= Dory, Average = Omis. Observation: DHIP (Dynamie Host Configuration Rotocol) is used to dynamically assign IP address to other devices The server manages a pool of IP address (known as survey good). The server serponds to a client request. The provided IP configuration is based on information from address probs

Topology:



Result:

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Physical Config Desktop Custom Interface

Command Prompt

Facket Tracer PC Command Line 1.0
PC>ping 10.0.0.3

Pinging 10.0.0.3 with 32 bytes of data:

Reply from 10.0.0.3: bytes=32 time=lms TTL=128
Reply from 10.0.0.3: bytes=32 time=0ms TTL=128
Reply from 10.0.0.3: bytes=32 time=0ms TTL=128
Reply from 10.0.0.3: bytes=32 time=0ms TTL=128

Ping statistics for 10.0.0.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 13ms, Average = 3ms

PC>
```

