WEEK 4

Configure DHCP within a LAN and outside LAN.

Observation book:

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4.1	configure Duck within LAN and outsile to
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P.	rocedure:
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-	other rising copper straight through call
. (1	is a to sure tol
1.0	ick on server, go to survices tal
1	t 50 10 f 1000 or and 100
. De	t IP address of as 10.0.0.2 and save:
. Be	fig Jab under fast atherest as 1000
cont	pig sal under fast ethernet as 10.0.01
· ch	ick on PCO, go to desklop tab, de
ion	ick on PCO, go to deskilop tab de IP configuration and select OHCP.
fill	request for IP address, gets DHIP requet

Repeat this for both PC'S

Jo send a packet across PCS, go to PCS
command frompt, type ping distination

Rang output:

Ring output:

Ring 10.0.0.3 with 52 lights of data

Riply from 10.0.0.3 lights 32 time = 0 ms TTL-1

Riply from 10.0.0.3 lights = 32 time = 0 ms TTL-1

Riply from 10.0.0.3 lights = 32, time = 1 ms TTL-1

Riply from 10.0.0.3 lights = 32, time = 1 ms TTL-1

Reply from 10.0.0.3 lights = 32, time = 0 ms TTL-1

Reply from 10.0.0.3 lights = 32, time = 0 ms TTL-1

Reply from 10.0.0.3 lights = 32, time = 0 ms TTL-1

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Reply from 10.0.0.3 lights = 32, time = 0 ms TTL-1

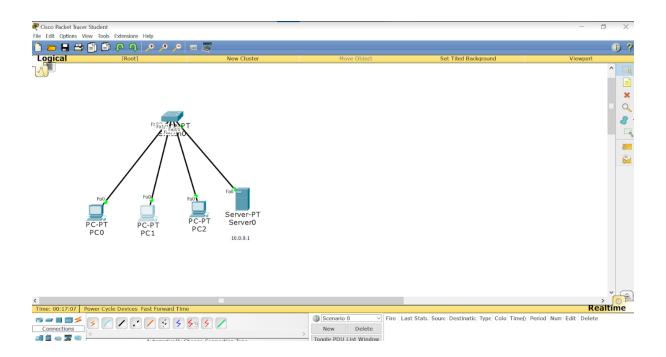
Reply from 10.0.0.3 lights = 32, time = 0 ms TTL-1

Reply from 10.0.0.3 lights = 32, time = 0 ms TTL-1

Reply from 10.0.0.3 lights = 32

Reply from 10.0.0.3 lights =

Topology:



Output:

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Packet 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=0ms TTL=128
Reply from 10.0.0.3: bytes=32 time=1ms 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 = 1ms, Average = 0ms

PC>
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Observation book:

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Con	fig T	
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TIP	address 10.0.0.20 255.0.0.0	-
	shut	
Exit		-

interface fastethered 010

IP address 20.00.20 355.00.0

No shat
Exit
Show IP noute

If to source set the galeway as 10.00;
Again go to reater CLI, type the follow
Tadilteent 010

IP helper-address 10.00.1

No shat
Exit

Now go to services add pool name as
Server fool I, start IP address as 20.00;
default gateway as 20.00.20. and sare.

Set IP of other 2 PCs, destay a configure

seled order which will general authory

IP address in command prompt.

Rung output.

Rung sutput.

Request timed out

Reply from 20.00.2 lepter : 32 time : 0 ms ITLISTER

Riply from 20.00.2 lepter : 32 time : 0 ms ITLISTER

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Riply from 20.00.2 lepter : 32 time : 0 ms ITLISTER

Riply from 30.00.2 lepter : 32 time : 0 ms ITLISTER

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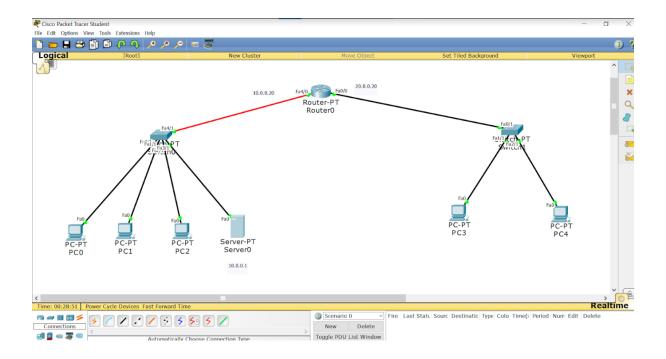
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Riply from 30.00.2 lepter : 32 time : 0 ms ITLISTER

Riply fro

Date / J
Pina status dor 20.0,0.2
Ring status for 20.0,0.2 Packets: Sent = 4 Received = 3 Lost = 1 (25/16)
Affroximate sound true times in willer Affroximate sound true times in willer Hinimum = 0 ms. Have mum = 0 ms. Average
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Observation:
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events a different source and
Want.
. Therefore packets are delivered to com
destiration IP addresses by sending
· DHCP us used to assign IP address dynamically to different derices. · To assign cont IP address a surmples can be set. · For PCs under different situations us create a different situations us create. · Therefore, packets are delivered to core destiration IP address. · Sherefore, packets are delivered to core destiration IP address.
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Topology:



Output:

Command Prompt

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Packet Tracer PC Command Line 1.0
PC>ping 20.0.0.2

Pinging 20.0.0.2 with 32 bytes of data:

Request timed out.

Reply from 20.0.0.2: bytes=32 time=0ms TTL=127

Reply from 20.0.0.2: bytes=32 time=0ms TTL=127

Reply from 20.0.0.2: bytes=32 time=0ms TTL=127

Ping statistics for 20.0.0.2:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>ping 20.0.0.3

Pinging 20.0.0.3 with 32 bytes of data:

Request timed out.

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PC>
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