DEPT. Of Computer Science Engineering

SRM IST, Kattankulathur – 603 203

Sub Code & Name: 18CSS202J – COMPUTER COMMUNICATION

Experiment No	2
Title of Experiment	**LAN Configuration**
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Date of Experiment	05/02/2021

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Oral Viva / Online Quiz	5	
2	Execution	10	
	Total	**15**	

Staff Signature with date

AIM: To configure IP address to PC and router using Packet Tracer.

Procedure:

Step 1: Open cisco packet tracer, create a simple topology.

Step 2: **Click PC-> Desktop->IP Configuration, assign** Gateway in this case,10.0.0.1
Default Gateway is the IP address configured to the router interface. All unknown destination packets from local area network devices will be forwarded to the default gateway.

Step 3: Click on Fast Ethernet and assign IP address and subnet mask, In this case IP 10.0.0.10 and subnet mask 255.0.0.0, Now close PC 1 window. Do like this for all PC's with appropriate IP and subnet mask.

Step 4: Now Click on Router R1, then click on CLI (Command Line Interface). You will see like this, "Continue with configuration dialog? [yes/no]:". Give "no" and Press enter. Now you will go to user mode.

Step 5: now give "en" and press enter. Now you get into the Privileged Mode, now type "conf t" and press enter to get into global configuration mode.

Step 6: Now configure router interface with IP address and subnet mask then give no shutdown to make this interface and line protocol up (i.e., Carefully configure IP address with proper interfaces in this case f0/0 and f1/0, f is short form of fast Ethernet.

Step 7: Now lights on all ports become green from red. Now click on PC1->Desktop->Command prompt.

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Press RETURN to get started!


Router>en
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#int Gig0/0
Router(config-if)#ip address 10.0.0.1 255.0.0.0
Router(config-if)#no shut

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to
up

%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet0/0, changed state to up

Router(config-if)#exit
```
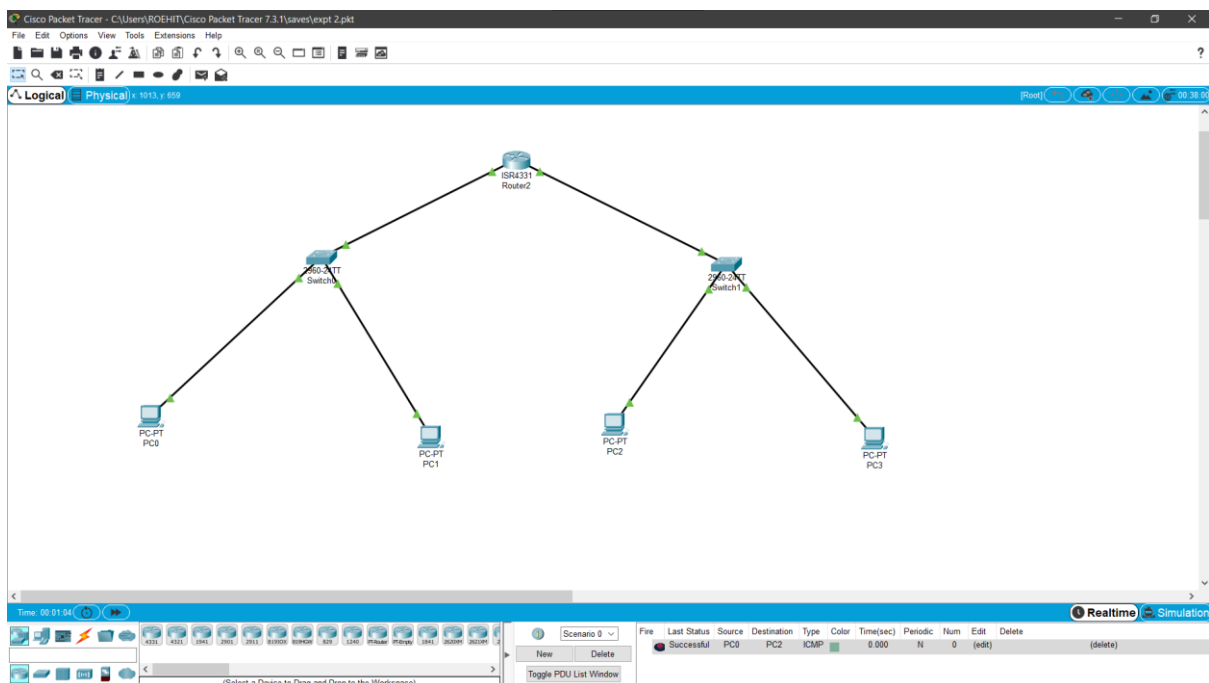
```
Router(config)#int Gig0/1
Router(config-if)#ip address 20.0.0.1 255.0.0.0
Router(config-if)#no shut

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to
up

%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet0/1, changed state to up

Router(config-if)#exit
Router(config)#
```


RESULT: Study of Packet Tracer & Topologies was made successfully.