

## **EXPERIMENT-7**

### **Aim:**

To implement Email services using Cisco Packet Tracer.

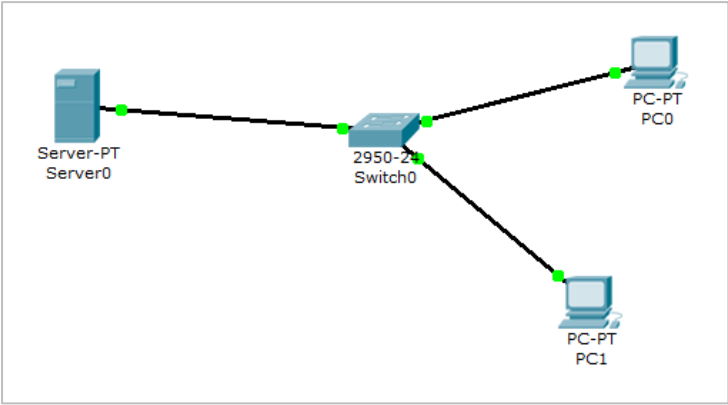
### **Theory:**

Electronic mail is one of the most well-known network services. Electronic mail is a computer-based service that allows users to communicate with one another by exchanging messages. Email information is transmitted via email servers and uses a variety of TCP/IP protocols. For example, the simple mail transfer protocol (SMTP) is a protocol that is used to send messages. Similarly, IMAP or POP receives messages from a mail server.

### **Procedure:**

1. Open Cisco Packet Tracer and create a new project.
2. Drag and drop two "PC" devices from the "End Devices" section onto the workspace.
3. Drag and drop a switch (type: 2950T) and connect the PCs to it by straight-through wires.
4. Drag and drop a server and connect it to switch.
5. Configure the IP address of the server (192.168.1.1).
6. Configure the IP addresses of the PCs (192.168.1.2 and 192.168.1.3).
7. Set the default gateway and DNS to (192.168.1.1).
8. Go to IPconfig section in desktop of server and set the Default Gateway address to same as its IP address.
9. Then go to Email section inside services section and make a domain name (gmail.com).
10. Switch on the SMTP service and add 2 users
11. After entering a username and password, click on Add(+) to add the user to the server. (pc0@gmail.com and pc1@gmail.com).
12. Go to PC0 email client, compose an email and send its to PC1 email address (pc1@gmail.com)
13. to see whether the email from PC0 is received on PC1. On the email client of PC1, click on Receive.

Snapshots of Cisco Packet Tracer:



Mail Browser Snapshots:

PC0

Physical Config Desktop

MAIL BROWSER

Compose

Receive

Delete

Configure Mail

	From	Subject	Received
1	def@abc.com		Fri Oct 20 2023 14:52...

def@abc.com

Sent : Fri Oct 20 2023 14:52:45

hi

PC1

Physical Config Desktop

MAIL BROWSER

Compose

Receive

Delete

Configure Mail

	From	Subject	Received
1	abc@abc.com		Fri Oct 20 2023 14:53...

abc@abc.com

Sent : Fri Oct 20 2023 14:53:28

bye