Experiment No : 07

Experiment Name : Implementation of Email Service.

Objective:

In this experiment, we are going to implement Email service using 'CISCO Packet Tracer'.

Here, we use a sample network diagram it contains 2 switches, 1 Router, 2 mail servers and 2 PCs.

Server1: IP: 192.168.1.3

DNS name: ju.edu

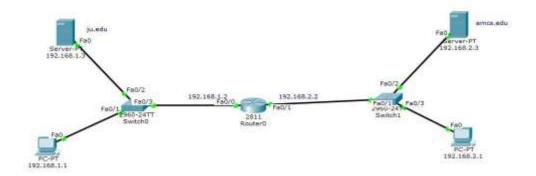
Server2: IP: 192.168.2.3

DNS name: emcs.edu

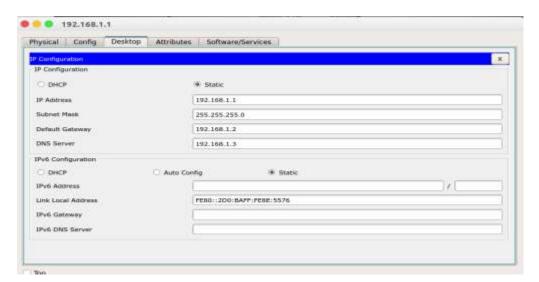
User-1 in network 192.168.1.0 has email address mkroy@ju.edu and user-2 in network 102.168.2.0 has email address roy@emcs.edu .

Design Procedure:

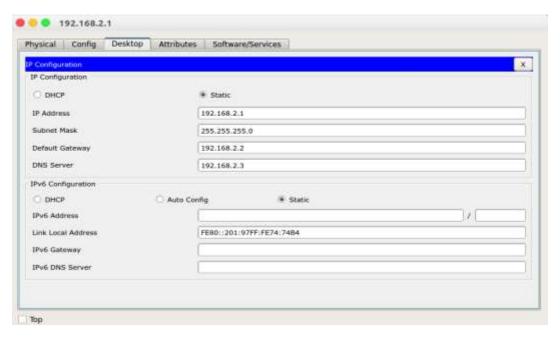
Let us implement the network like below:



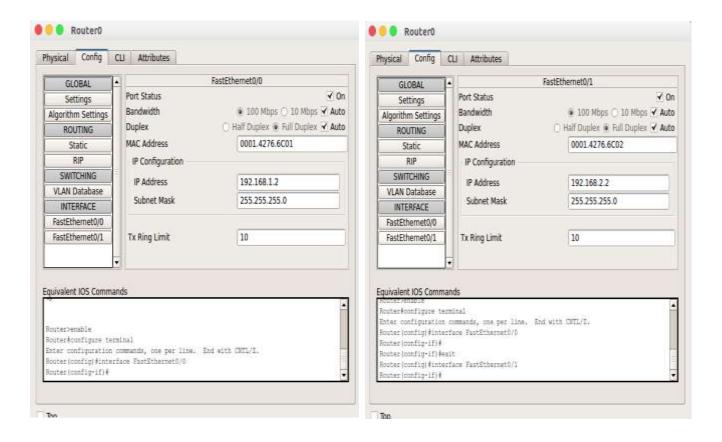
Configure host-1: IP 192.168.1.1:



> Configure host-2: IP: 192.168.2.1

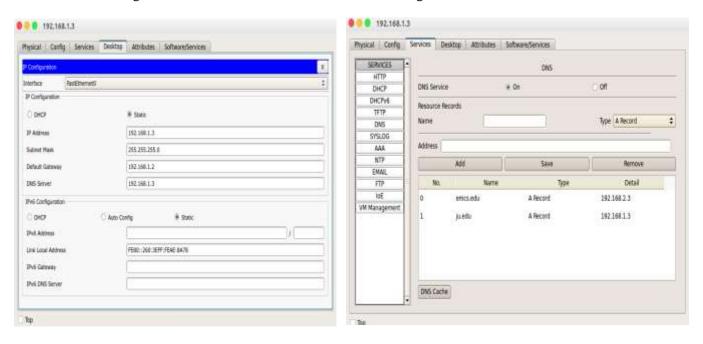


> Configure both interface of router:

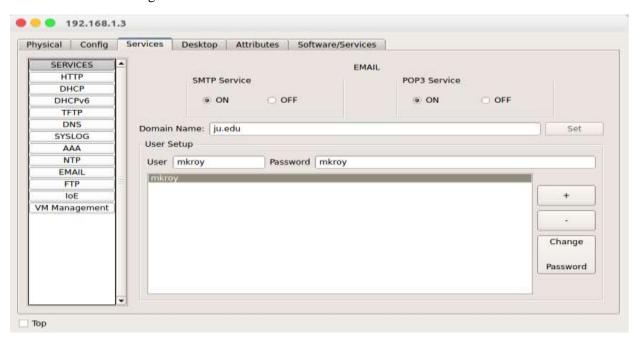


- ➤ Configure 1st DNS/MAIL server:
 - IP configure:

DNS Configure:



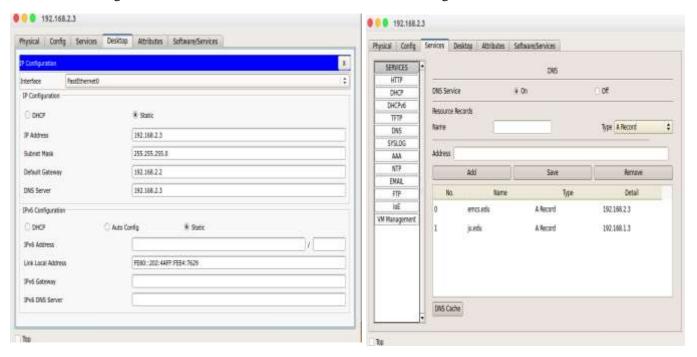
• Email Configure:



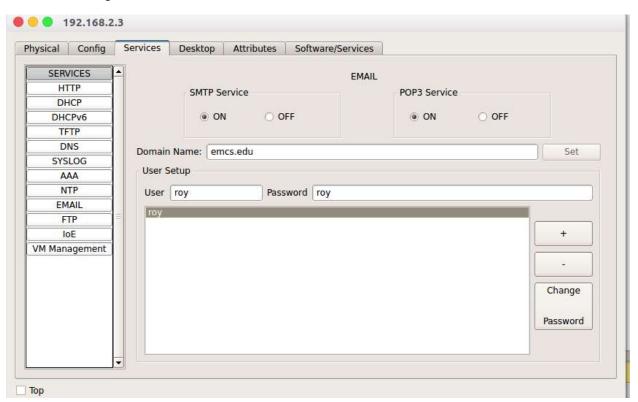
➤ Configure 2nd DNS/MAIL server:

• IP configure:

DNS configure:

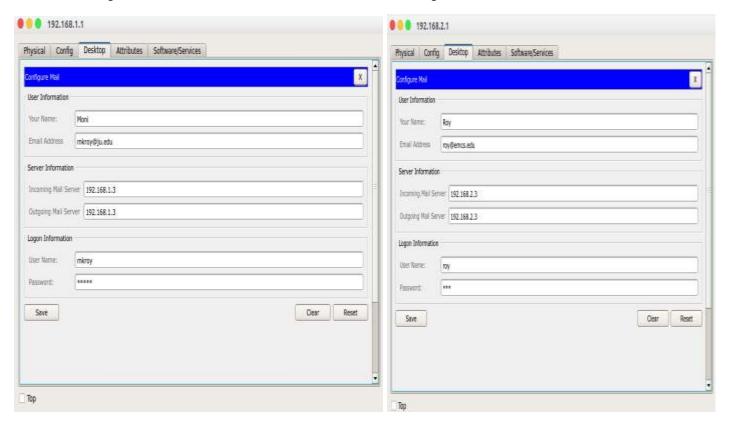


> Email configure:



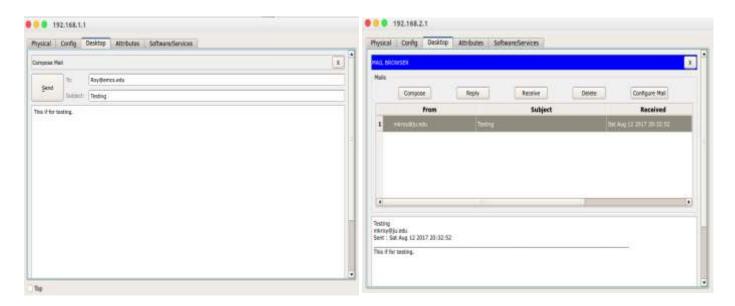
➤ Configure the mail of the client-1:

Configure the mail for client-2:

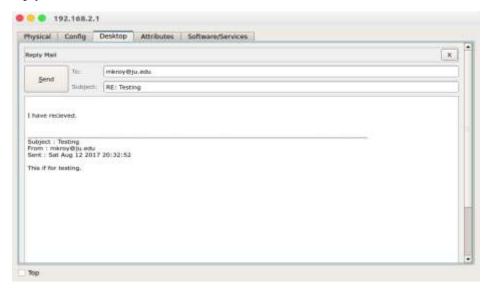


> Send mail from client-1:

Verify the received mail from client-2:



➤ Reply mail from client-2:



➤ Verify the reply mail from client-1:

