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.

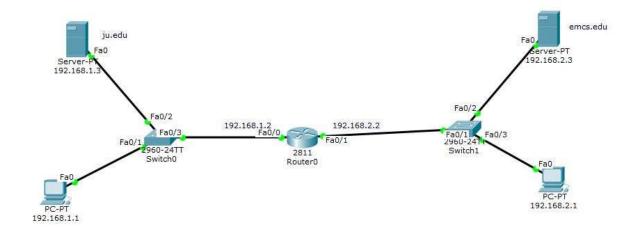
Server1: IP: 192.168.1.3 DNS name: ju.edu Server2: IP: 192.168.2.3

DNS name: emcs.edu

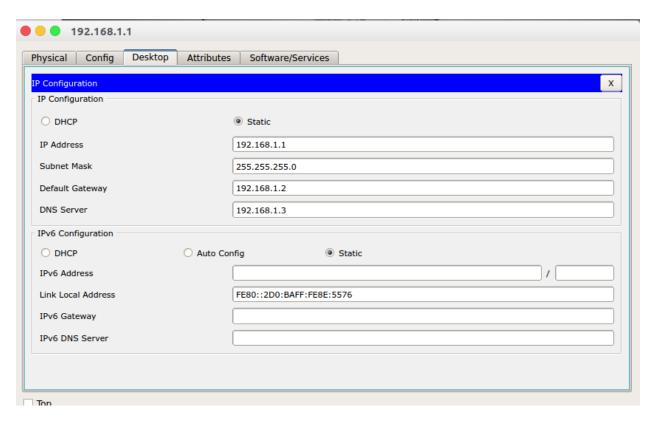
User-1 in network 192.168.1.0 has email address mkroy@ju.edu and user-2 in network 102.168.2.0 has email address roy@emcs.edu .

Design Procedure:

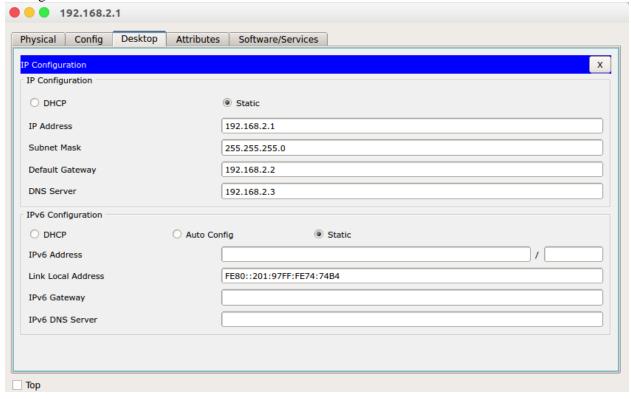
Let us implement the network like below:



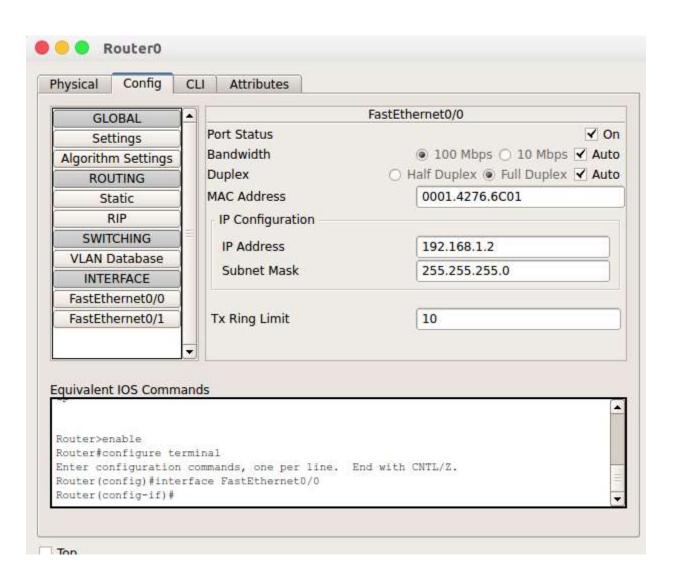
Configure host-1: IP 192.168.1.1:

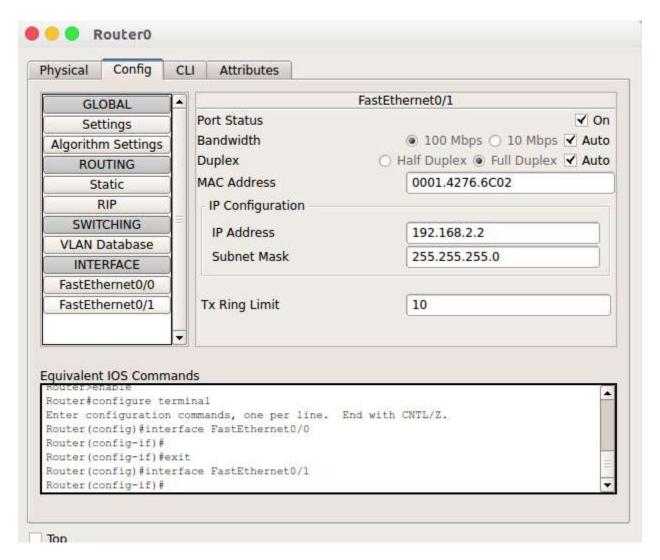


Configure host-2: IP: 192.168.2.1

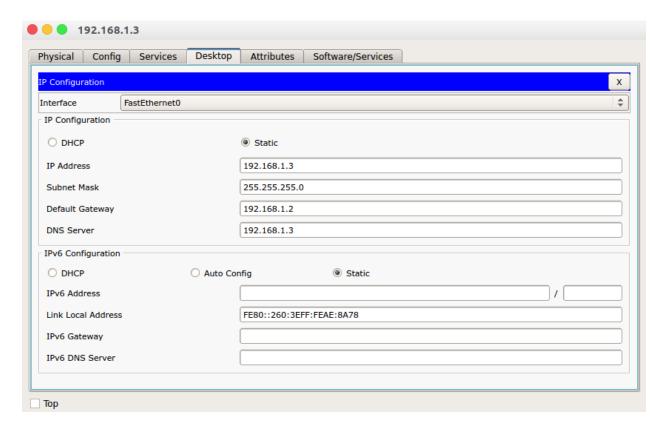


Configure both interface of router:

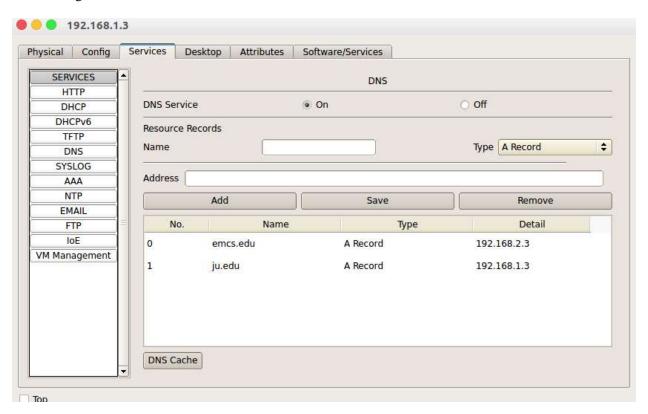




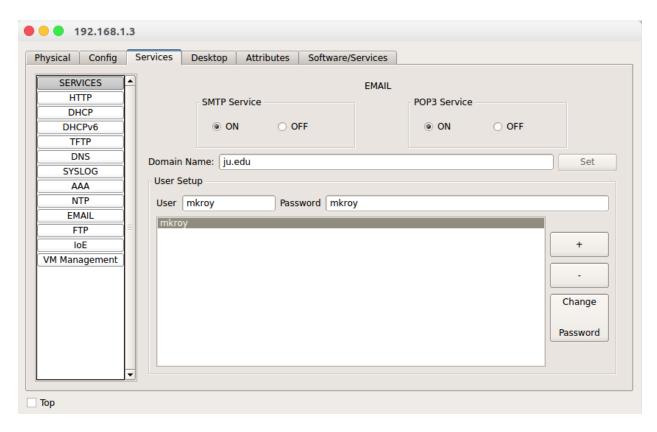
Configure 1st DNS/MAIL server: IP configure:



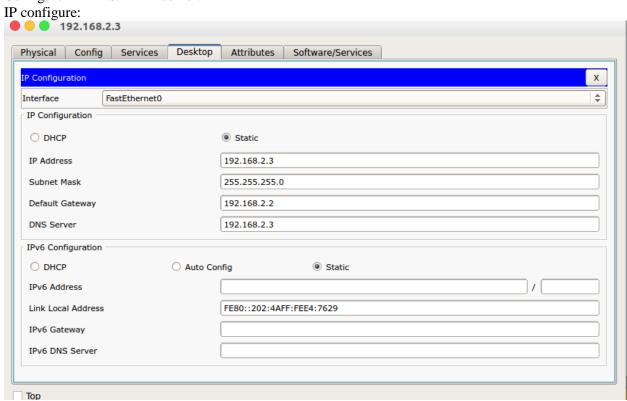
DNS configure:



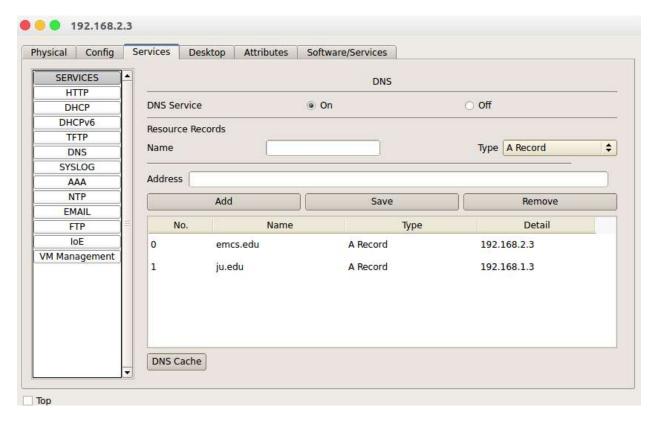
Email Configure:



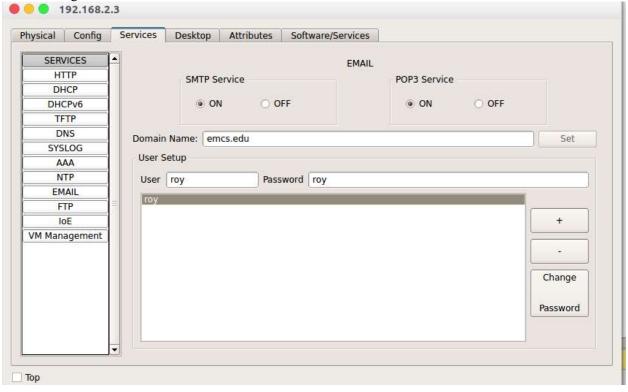
Configure 2nd DNS/MAIL server:



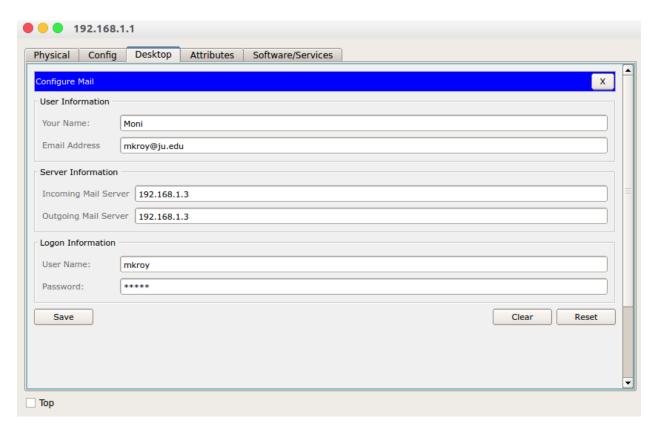
DNS configure:



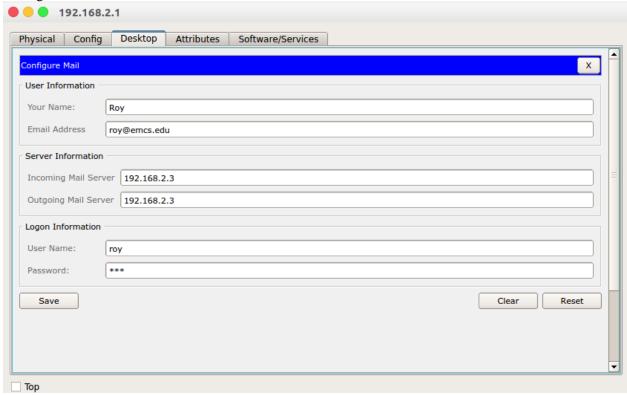
Email configure:



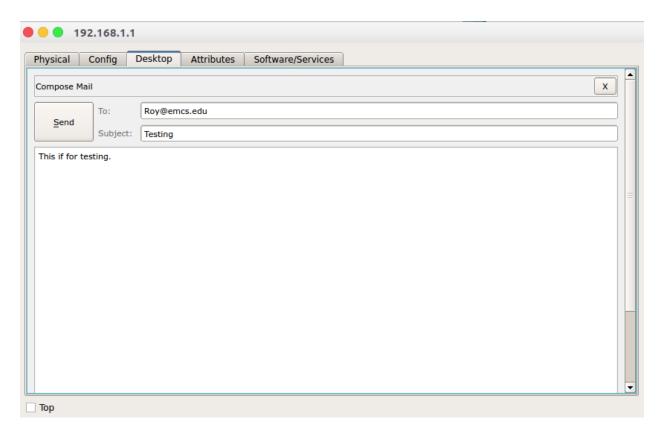
Configure the mail of the client-1:



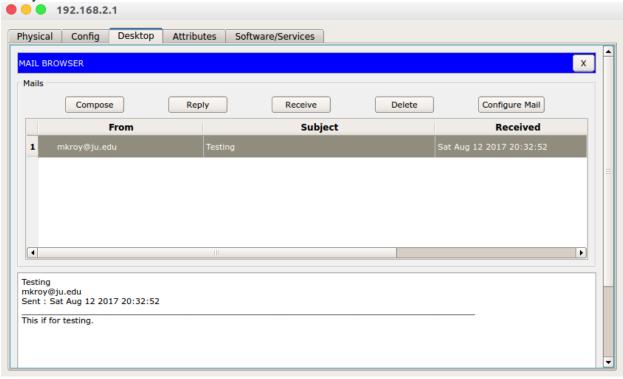
Configure the mail for client-2:



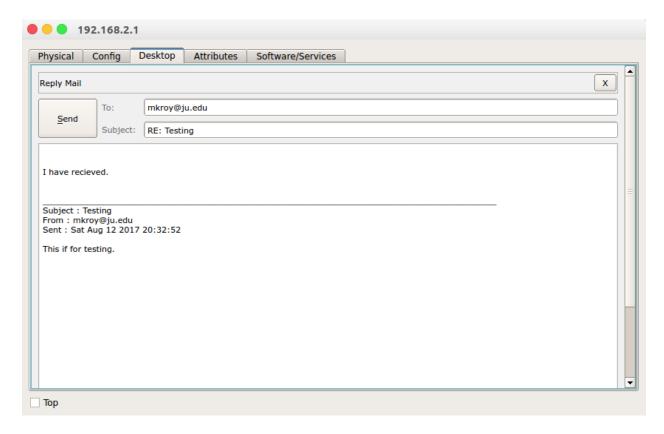
Send mail from client-1:



Verify the received mail from client-2:



Reply mail from client-2:



Verify the reply mail from client-1:

