***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

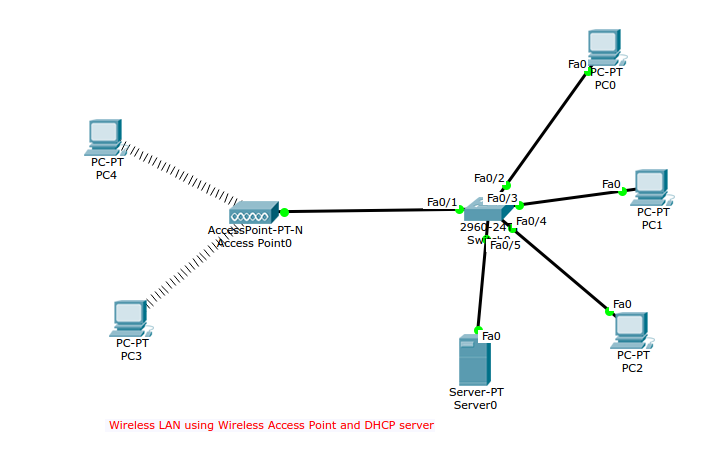
Server2: IP: 192.168.2.3

DNS name: emcs.edu

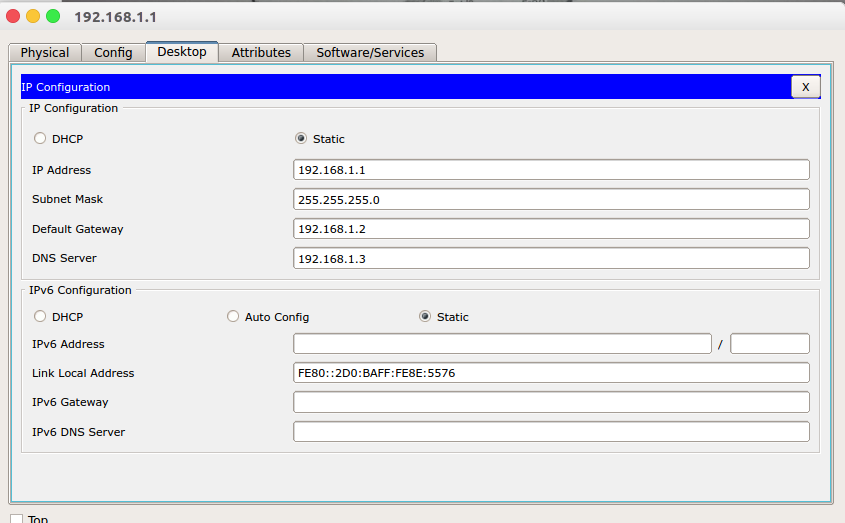
User-1 in network 192.168.1.0 has email address [mkroy@ju.edu](mailto:mkroy@ju.edu) and user-2 in network 102.168.2.0 has email address [roy@emcs.edu](mailto:roy@emcs.edu) .

***Design Procedure:***

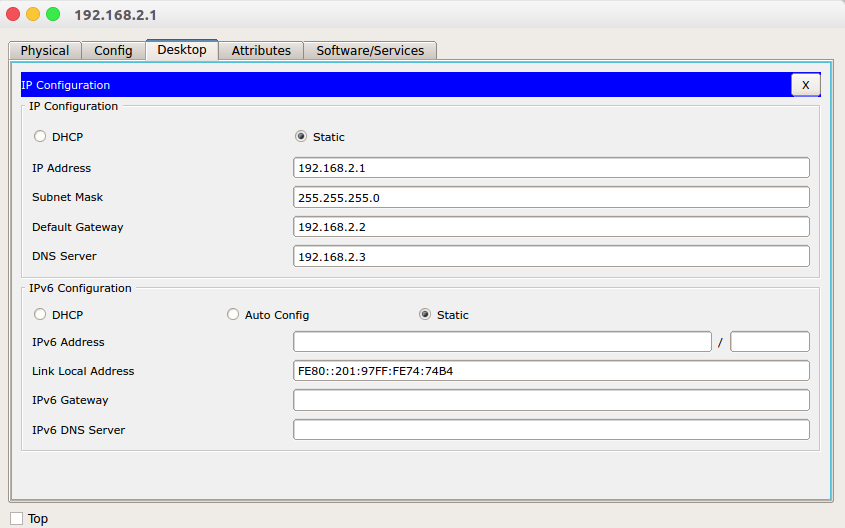
# Let us implement the network like below:



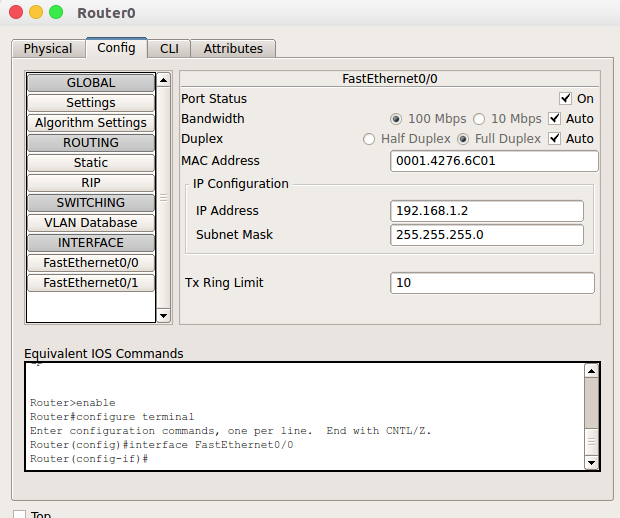
Configure host-1: IP 192.168.1.1:

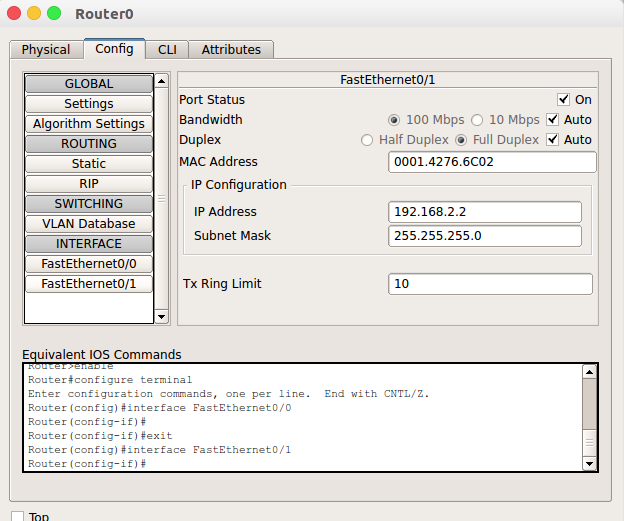
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Configure host-2: IP: 192.168.2.1



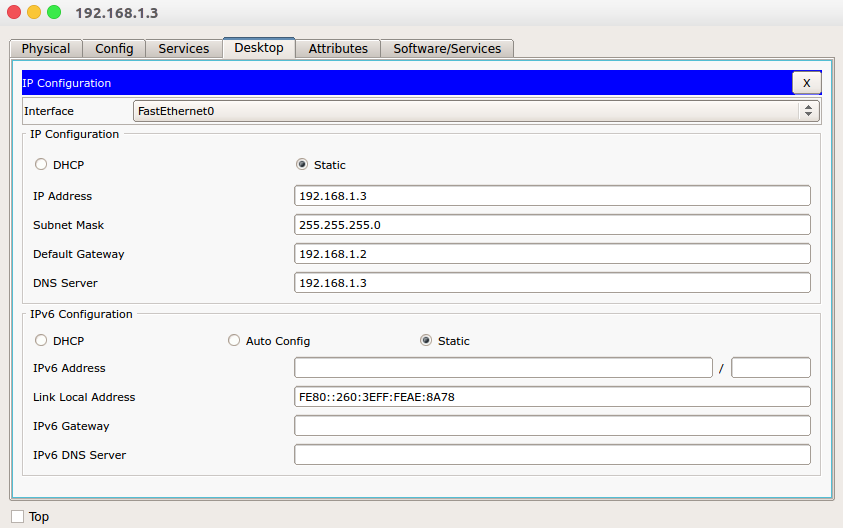
Configure both interface of router:



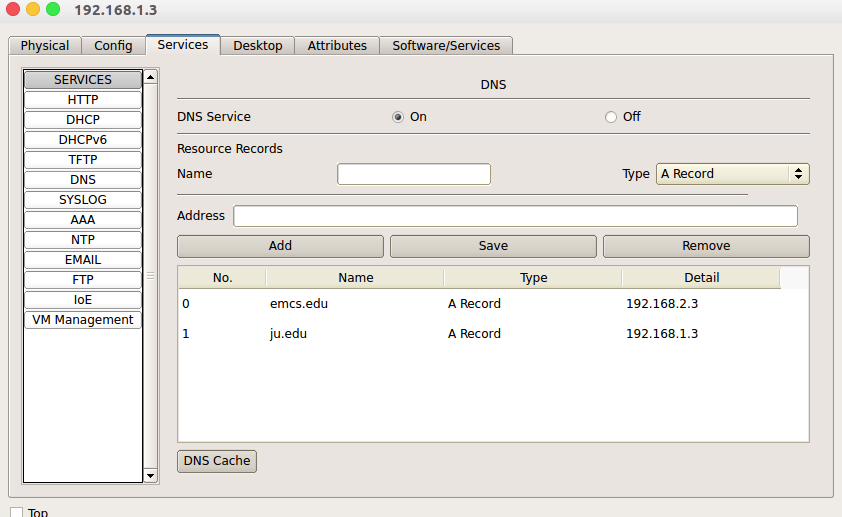


Configure 1st DNS/MAIL server:

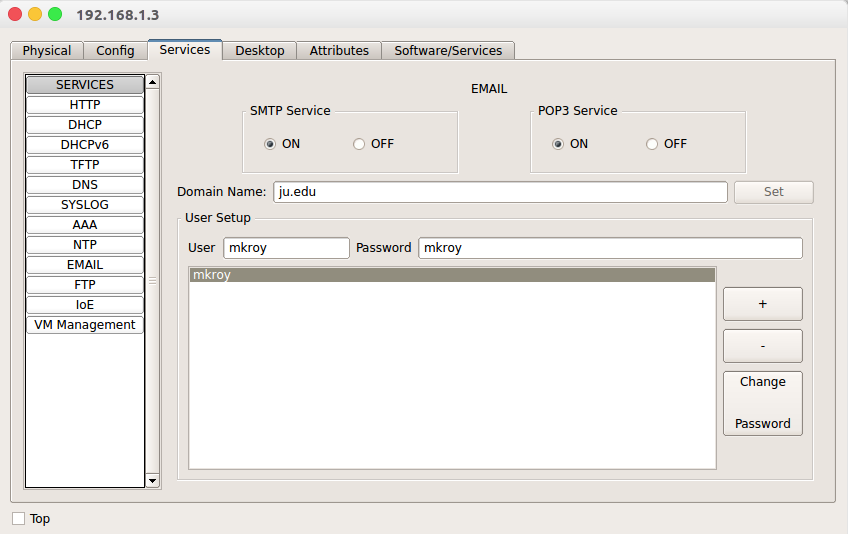
IP configure:



DNS configure:

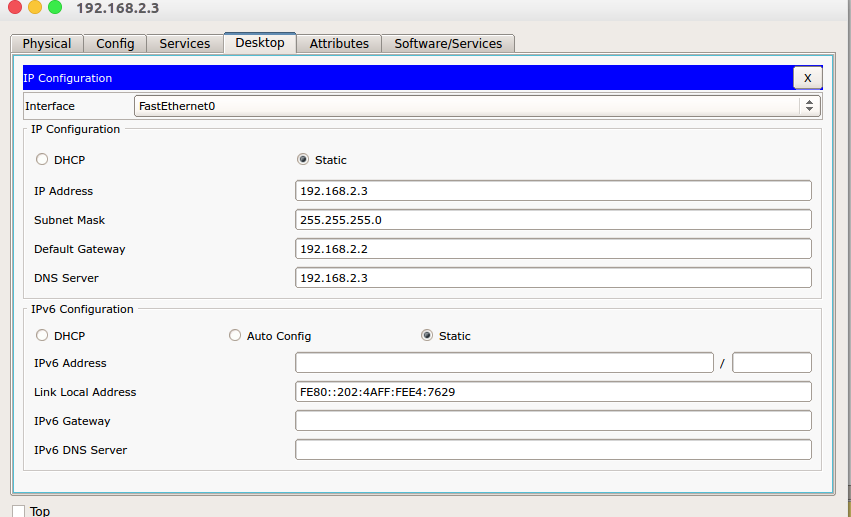


Email Configure:

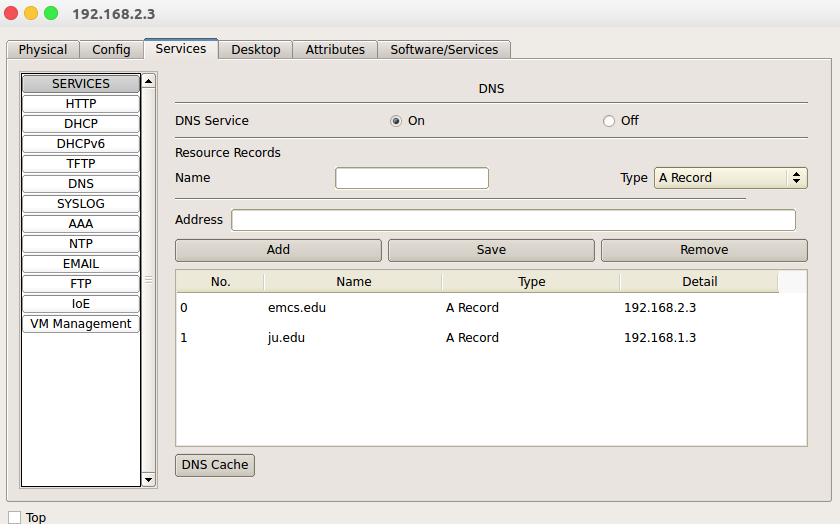


Configure 2nd DNS/MAIL server:

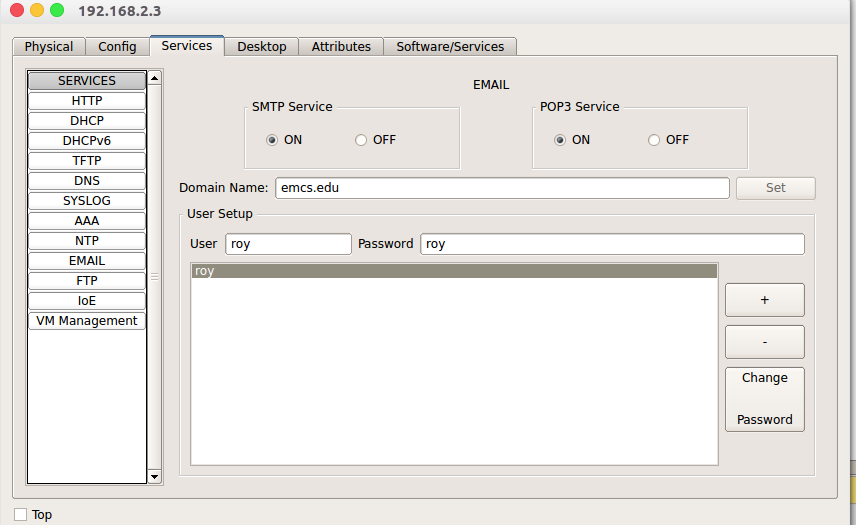
IP configure:



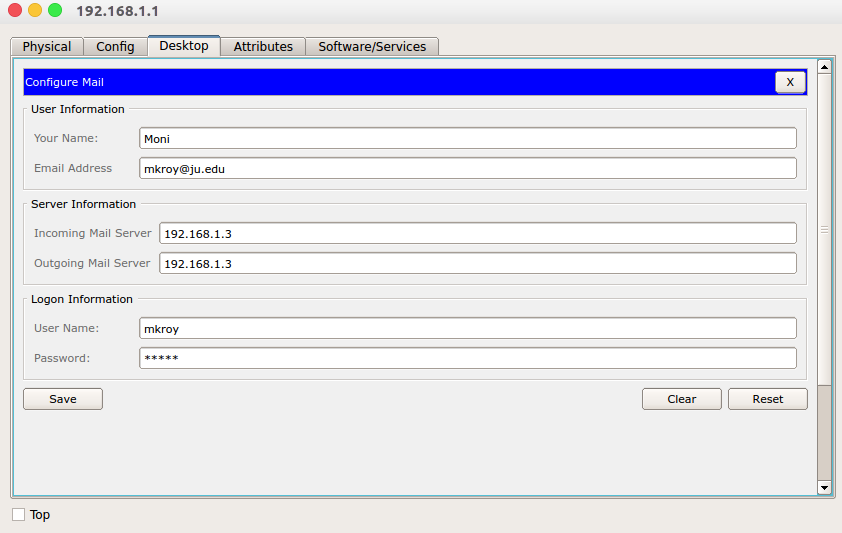
DNS configure:



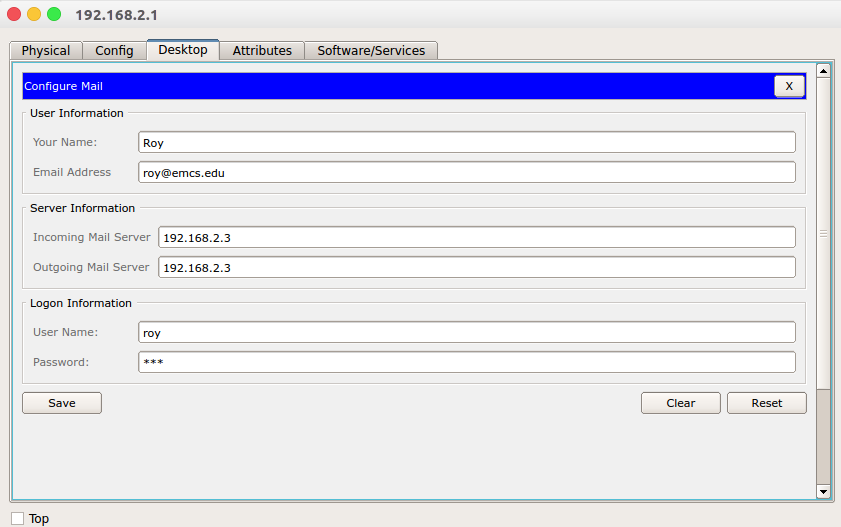
Email configure:



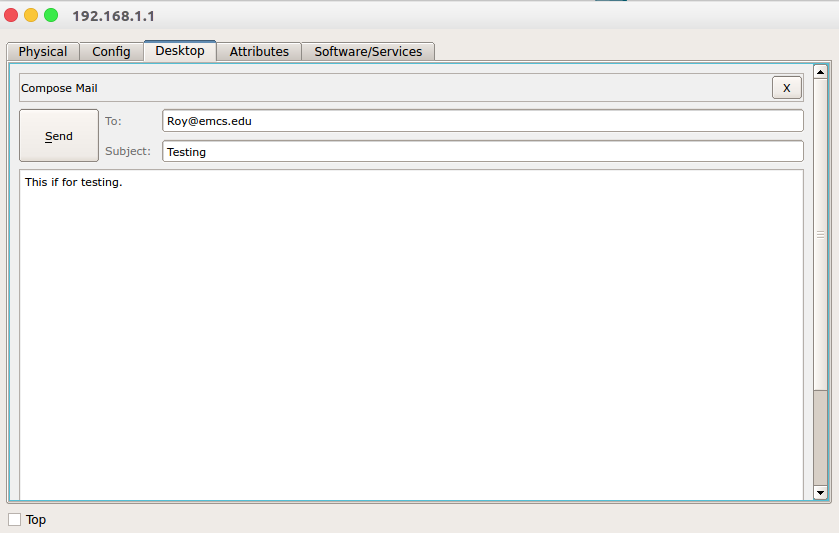
Configure the mail of the client-1:



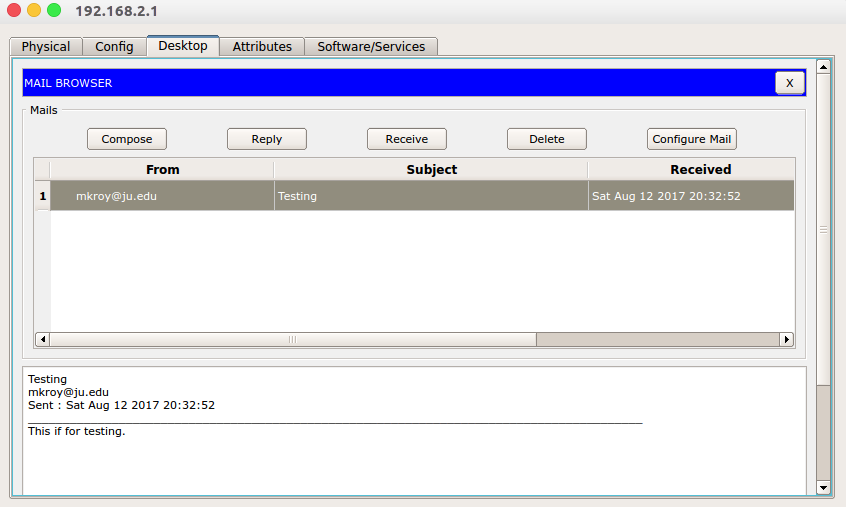
Configure the mail for client-2:



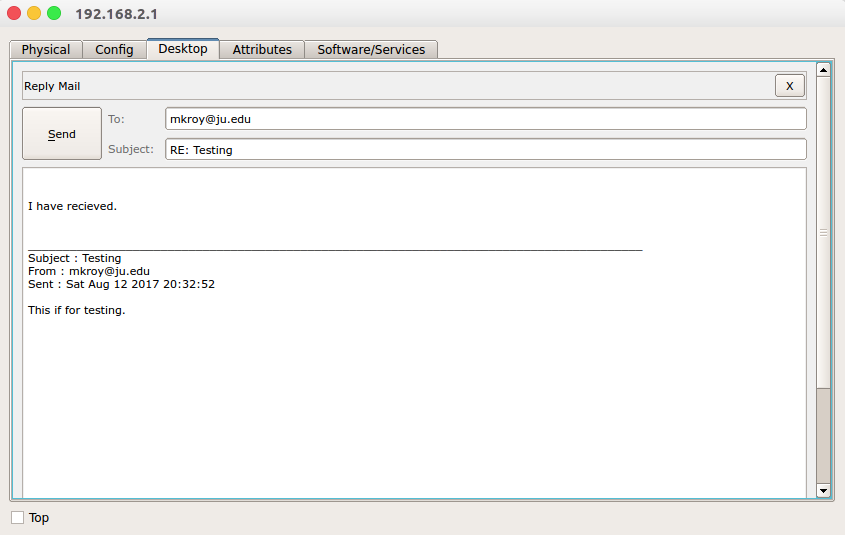
Send mail from client-1:



Verify the received mail from client-2:



Reply mail from client-2:



Verify the reply mail from client-1:

