Computer Networks (CS303)

Practical Exam

U19CS012

Problem Statement:

Q1. Create a network topology in Cisco packet tracer. (20 Marks)

Add minimum 5 systems and one server

Configure below services on the server

1. DNS: Provide domain name and modify index.html page on server

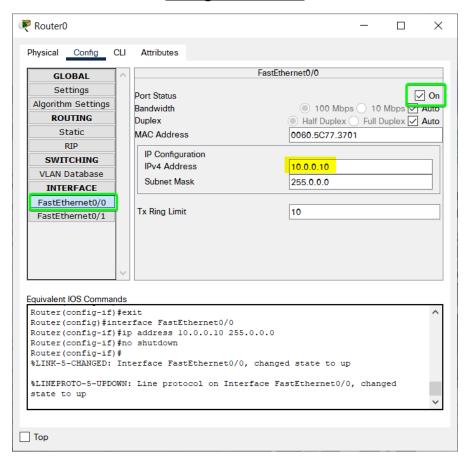
Expected output:

- nslookup <domain name> command in command prompt of any pc should show server ip address
- Web browser of any pc should be able to open index.html page

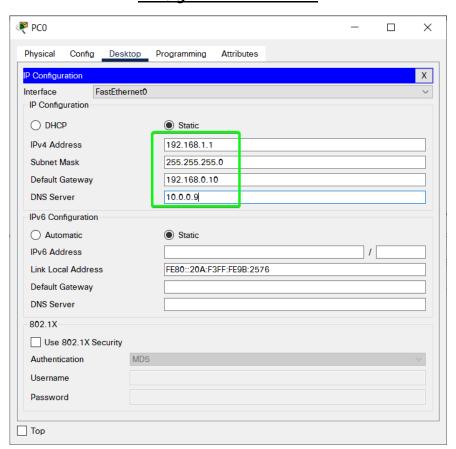
Physical Config Services Desktop Programming Attributes P Configuration Χ IP Configuration O DHCP Static 10.0.0.9 IPv4 Address 255.0.0.0 Subnet Mask 10.0.0.10 Default Gateway **DNS Server** 0.0.0.0 IPv6 Configuration Automatic Static IPv6 Address Link Local Address FE80::202:16FF:FE90:3AEA **Default Gateway DNS Server** 802.1X Use 802.1X Security Authentication MD5 Username Password Top

Config the Server

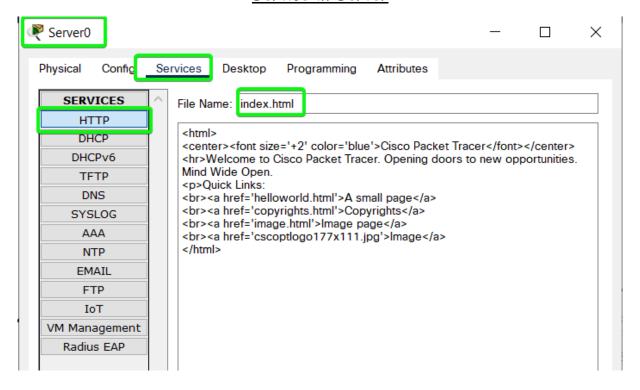
Config the Router

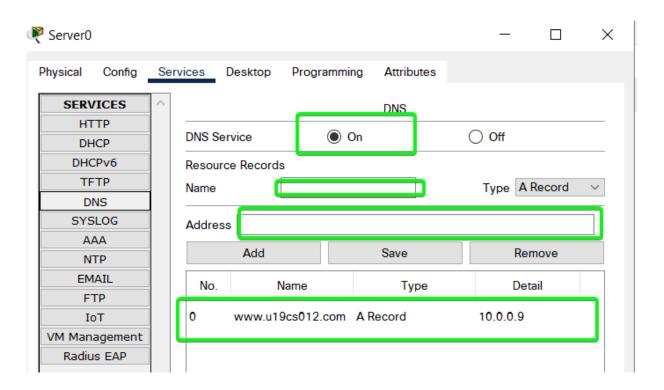


Config the End Devices

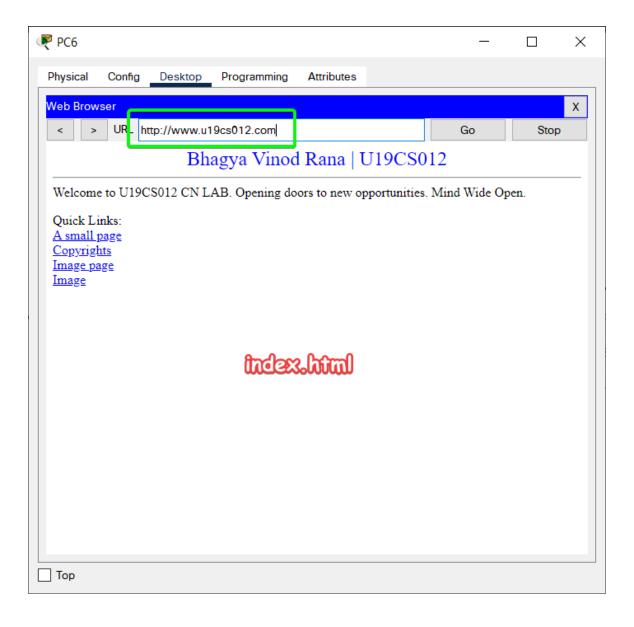


Service in Server





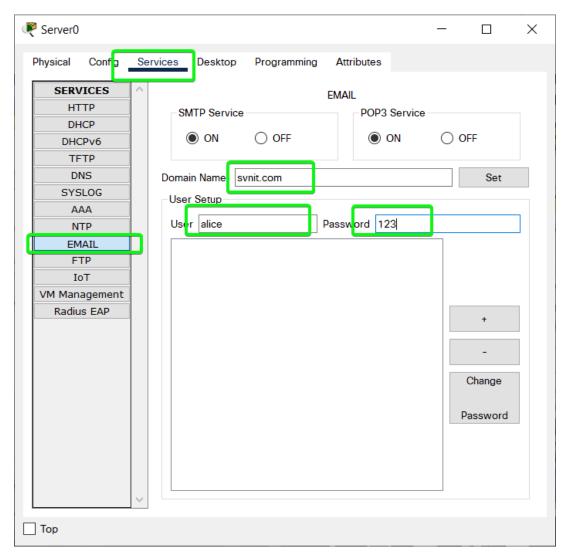
Go to Any End Device and in Web Browser



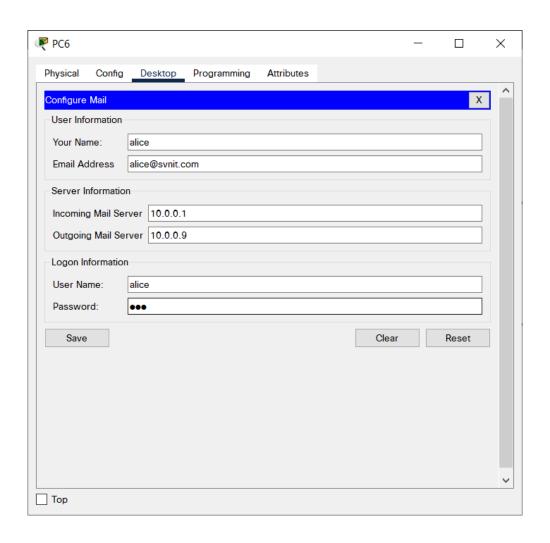
2. Email: Configure Username, Email id, login details etc in 2 pc's. Configure Email service on server also.

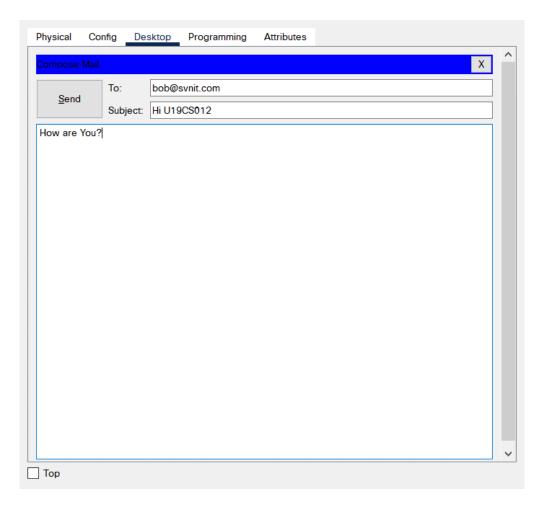
Expected output:

• Mails should be sent and received between systems in which Email configurations are done.



Similarily add bob



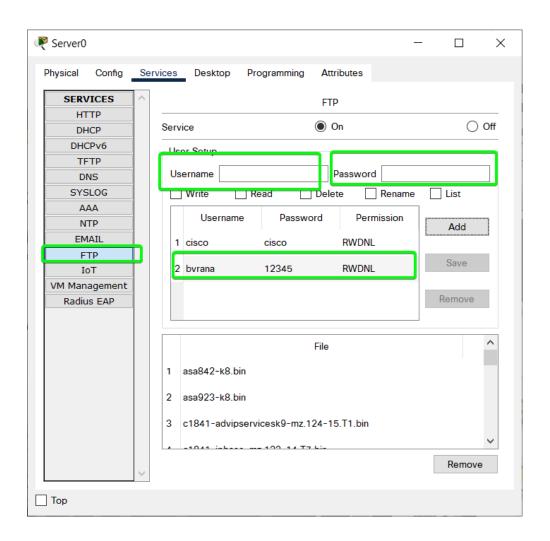


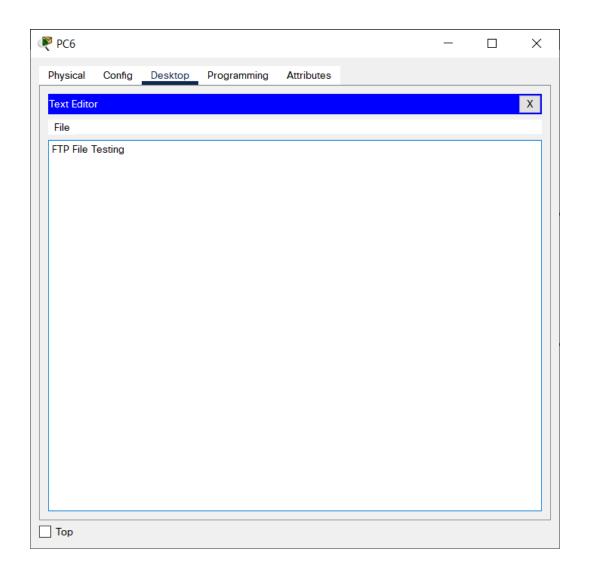
3. FTP: Configure FTP on server.

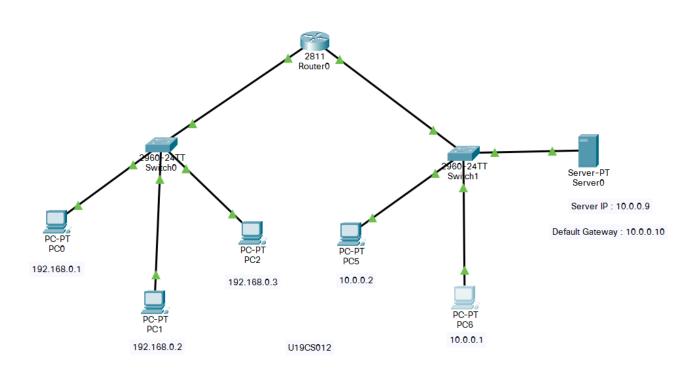
Expected output:

Create one text file(eg test.txt) on any of the pc (Eg PCO). Connect to the server from the command prompt of PCO and UPLOAD test.txt file on the server via FTP.

Connect to the server from the command prompt of any other PC except PCO and DOWNLOAD test.txt file on the server via FTP.







SUBMITTED BY:

U19CS012

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