CIT 223: Data Communication and Computer Network Lab Assignment #03
Configuring an email server in Packet Tracer

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1 Introduction

An email server, such as Gmail stores and sends email messages to email clients on request. We often send and receive emails on our mobile devices or computers. Have you ever imagined how this happens? Well, whenever you compose and send an email to another person, the message you send first goes to a mail server. It's the mail server which then sends the email when it is requested from the email client(e.g Gmail App) of the recipient's device.

So now, lets configure a mail server in Packet Tracer. And have in mind that although our main focus is configuring an email server, we'll still need services of a DNS server at one point.

2 Objectives

The objective of this lab is:

1. To configure Email Service using Cisco Packet Tracer

3 Procedures

> **Step 1**
>
> Configure the devices as show in Figure 1

> **Step 2**
>
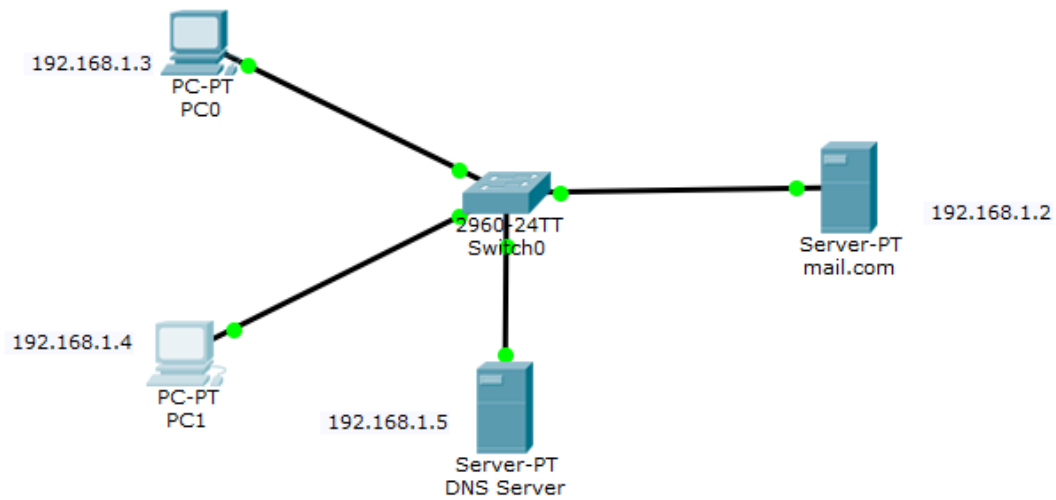> Configure IP addresses on the PCs, DNS Server and the Mail Server.

Figure 1: Mail Server Configuration

Step 3

Now configure mail clients on the PCs and mail service on the generic server.

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Info: Go to its Desktop tab, and click on Email. Configure the email client by filling in the user, server and login information. Be sure to Save.

Step 4

Now let's configure a DNS Server

1. Click DNS server, click Services tab, then pick DNS.

2. Turn the service ON.

3. Set name-address pairs and add them to the server. Use A Records.

> **Step 5**
>
> Now configure the mail server.
>
> 1. Click on the server, then click Services tab, pick email server from the menu.
>
> 2. Provide the Domain name of the server then click on Set to set it. In this example I've used the name 'mail.com'.
>
> 3. Proceed and add users and provide their passwords. I have two email clients(users) with usernames 'client1' and 'client2' with a common password 'guBIT2022'.
>
> 4. After entering a username and password, click on Add(+) to add the user to the server. You can optionally remove a user by clicking on Remove (-). You can change a user's password by clicking on change password.

> **Step 6**
>
> Test the email Service.
>
> 1. Send email from one of the email client.
>
> 2. Check for email on the other client.

4 Questions

> **Question 1**
>
> Configure a web server with a domain address 'gu.edu.np'.

> **Question 2**
>
> Configure a web server with an alias www.gu.edu.np to point to same domain address 'gu.edu.np'.