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ASSIGNMENT TITLE: Assignment#1

DATE: Oct-12-2025

HTTP WEB SERVER & MAIL SERVER SET UP CONFIGURATION LAB

IN CISCO PACKET TRACER

HANDS-ON LAB

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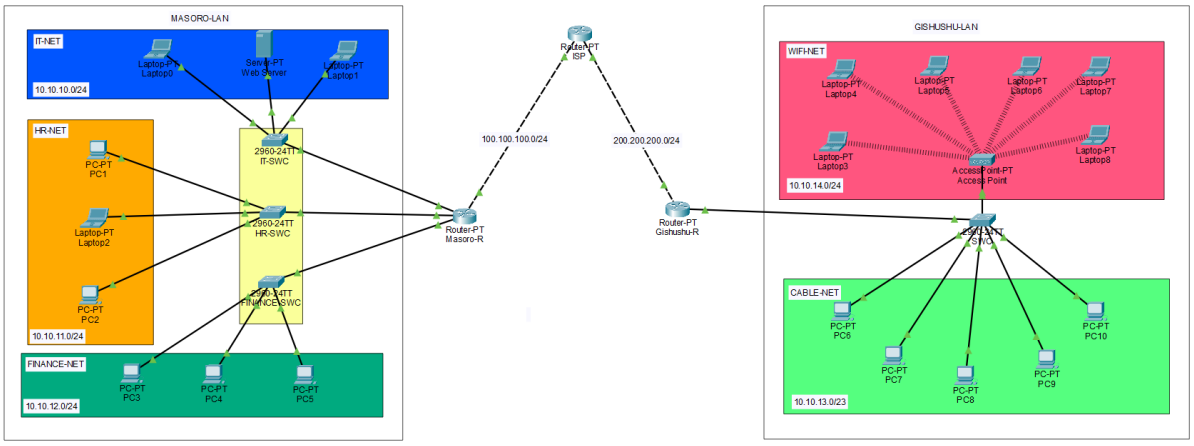
1. Introduction

In this lab, we configure **HTTP web and mail services on Cisco Packet Tracer servers** and enable client PCs to access them.

- The **HTTP web server** allows network PCs to access hosted web pages through browsers.
- The **mail server** allows PCs to **send and receive emails** within the network.

The purpose of this lab is to **learn how to set up servers, assign IP addresses, configure DNS (if needed), and verify client access** to these services in a simulated network environment.

2. Network Topology Design



Routers: Used to make connect network and Acts as DHCP server

Switch: Connects multiple end devices

End Devices (Server, PCs/Laptops): Clients used in topology

3. HTTP Web Server Setup

On server

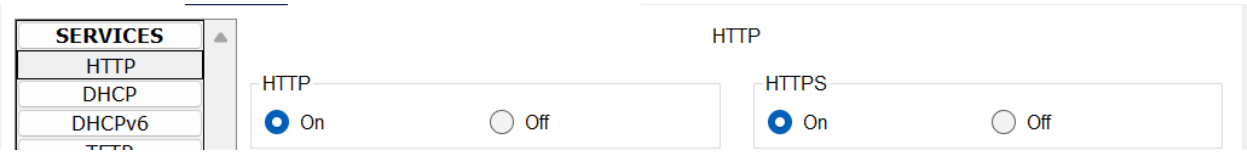
Step 1: Open Server

Step 2: Go to service tab

Step 3: Select HTTP on left side

Step 4: Enable on button on HTTP

On Clients PCs/Laptops



Verification:

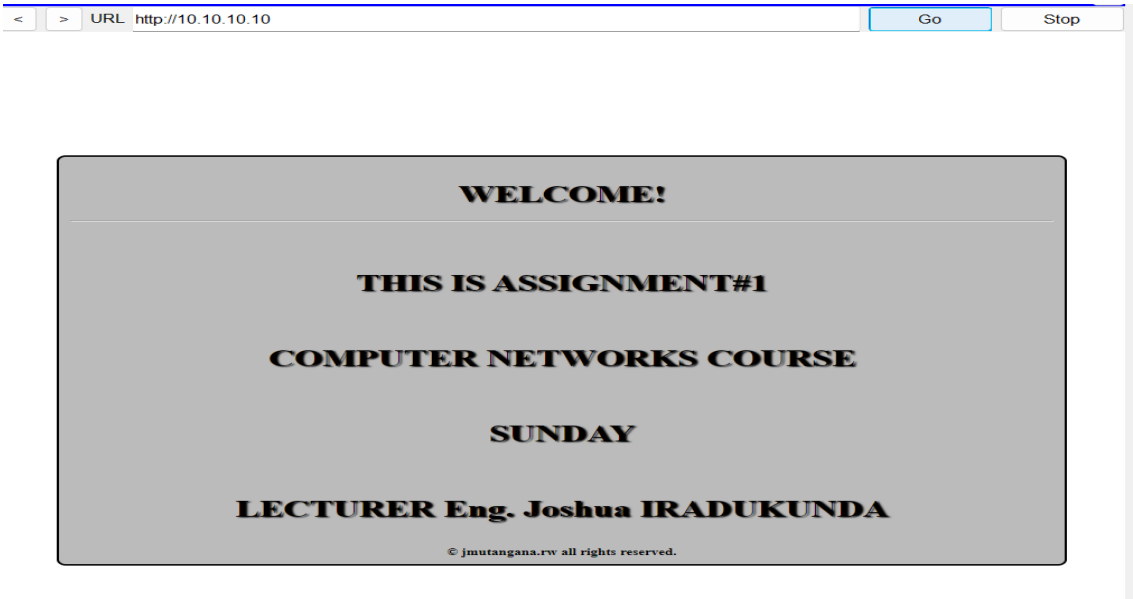
On Clients PCs/Laptops:

Step 1: Open client

Step 2: Go to desktop tab

Step 3: Choose web browser

Step 4: In URL field type dns or server IP address



4. Mail Server Configuration

On Clients Server:

Step 1: Open Server

Step 2: Go to service tab

Step 3: Select EMAIL on left side

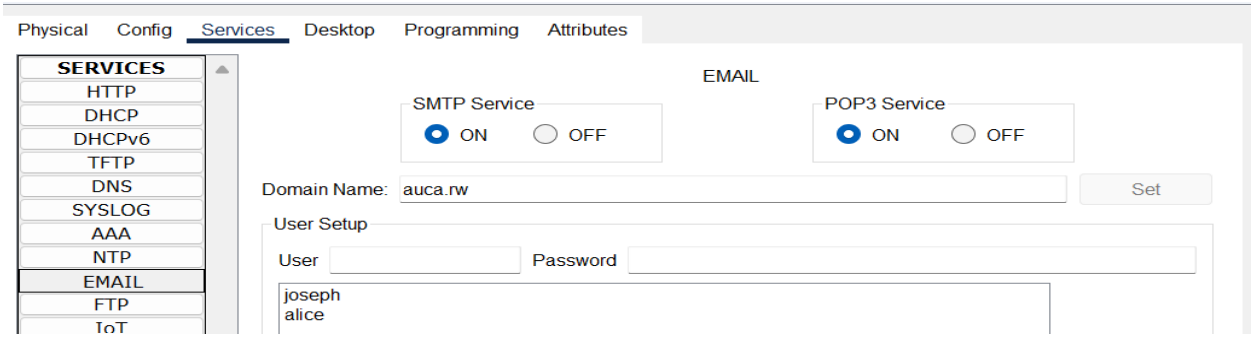
Step 4: Enable (on) button to open SMTP

Step 5: Enter Domain Name

Step 6: Click set button

Step 7: Create user by Entering username and password

Step 8: Click on Plus Button on right side



On Clients PCs/Laptops:

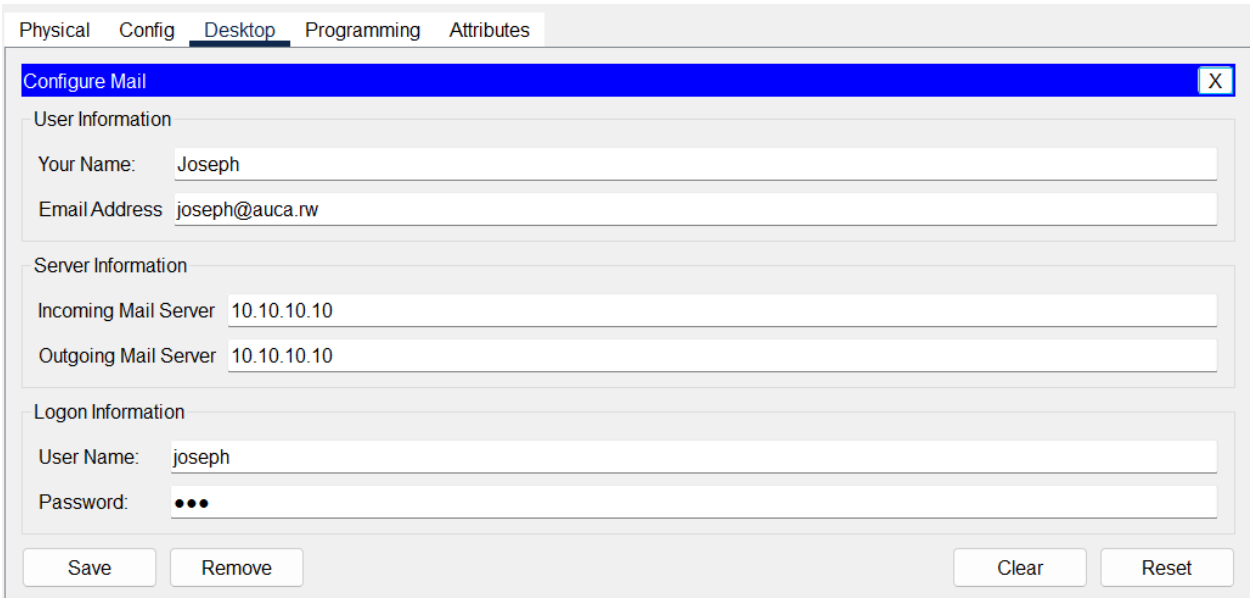
Step 1: Open client

Step 2: Go to desktop tab

Step 3: Choose Email

Step 4: Fill required inputs

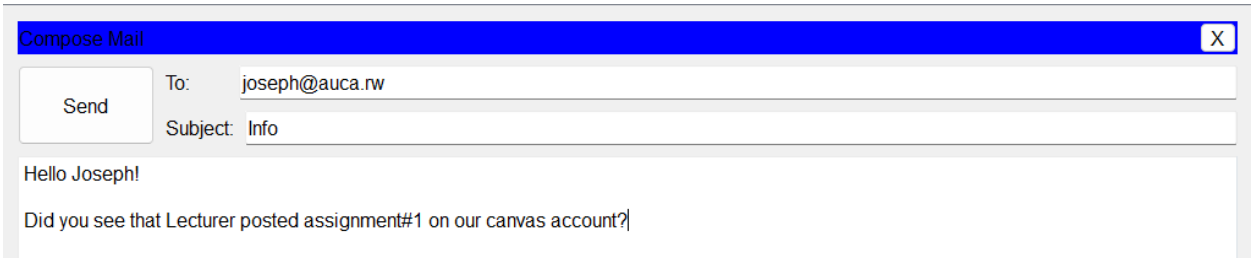
Step 5: Save



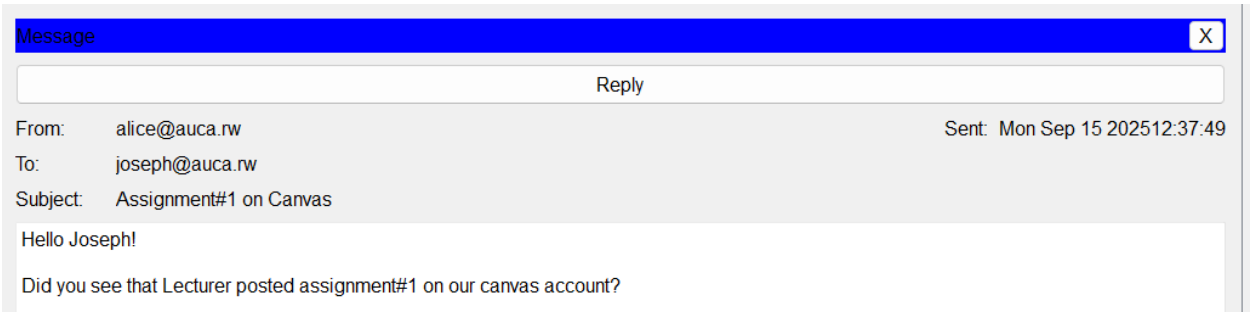
Verification

On clients/PCs and Laptops

Compose email



Received mail



5.Achieved Outcomes

- Clients are able to send email
- Clients are able to access HTTP service
- Hands on work experience

Summary:

- Enabled **HTTP service** on the web server and tested access from client PCs.
- Enabled **SMTP and POP3/IMAP services** on the mail server and verified email sending/receiving between PCs.
- Confirmed that tested PCs could **access web pages and exchange emails**, demonstrating correct server configuration and network connectivity.

END.