Green University of Bangladesh

Department of Computer Science and Engineering
Faculty of Sciences and Engineering
Semester: (Fall, Year:2023), B.Sc. in CSE(Day)

Lab Report :02
Course Title: Computer Networking Lab
Course Code: CSE 312
Section: 211 D2

Experiment Name:

Configuration of SMTP and FTP Server for the given network

Student Details

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Submission Date: October 25, 2023

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Status

Marks: ..... **Signature: .....**
Comments: ..... **Date: .....**

0.1 Introduction

In today's interconnected world, the effective sharing and transfer of data are essential for businesses and individuals alike. Two key technologies that facilitate this exchange of information are the Simple Mail Transfer Protocol (SMTP) and File Transfer Protocol (FTP). In a networked environment, configuring these servers plays a crucial role in ensuring efficient communication and data sharing. This document outlines the configuration of SMTP and FTP servers in the context of a network, providing an overview of the setup and its importance.

0.2 Objectives

1. To build and design a network using Cisco Packet Tracer
2. To learn about step-by-step configuration of SMTP Server using Cisco Packet Tracer
3. To learn how to transfer mail from one client to another client.
4. To build different mail server and communicate through router
5. To learn about step-by-step configuration of FTP Server using Cisco Packet Tracer.
6. To learn how to upload a file ,rename , delete to the FTP Server.

0.3 Implementation

Configuration of SMTP and FTP Server for the above network of Figure

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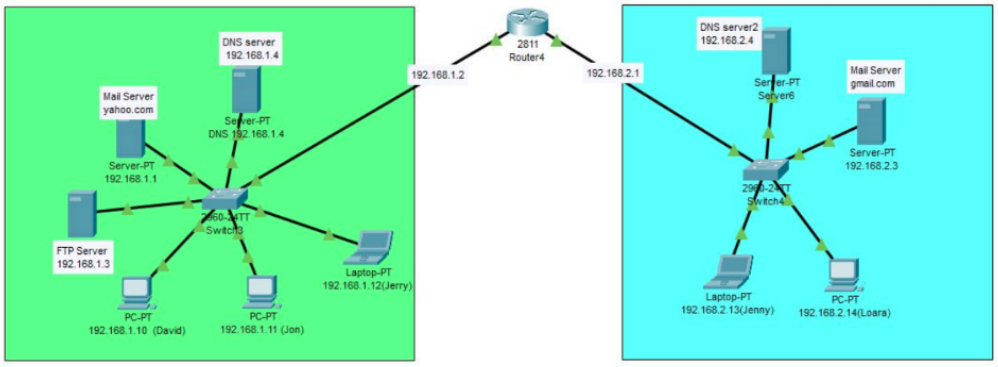

Figure 1: given figure

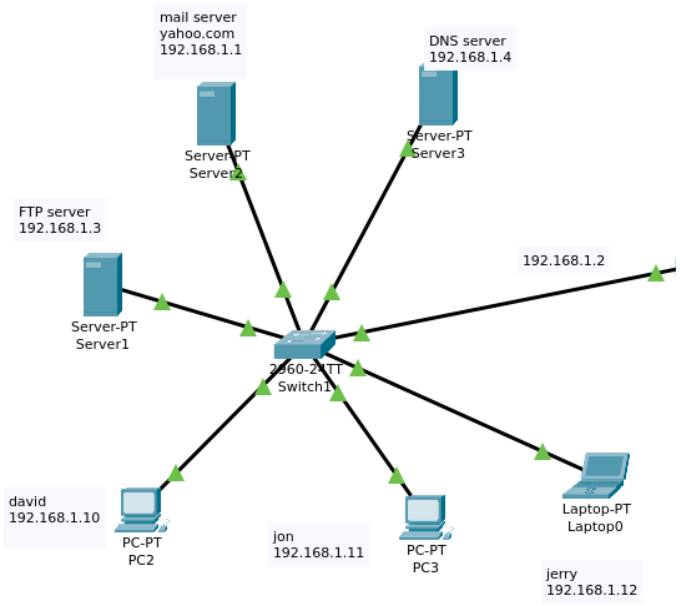

Figure 2: Left side configaration

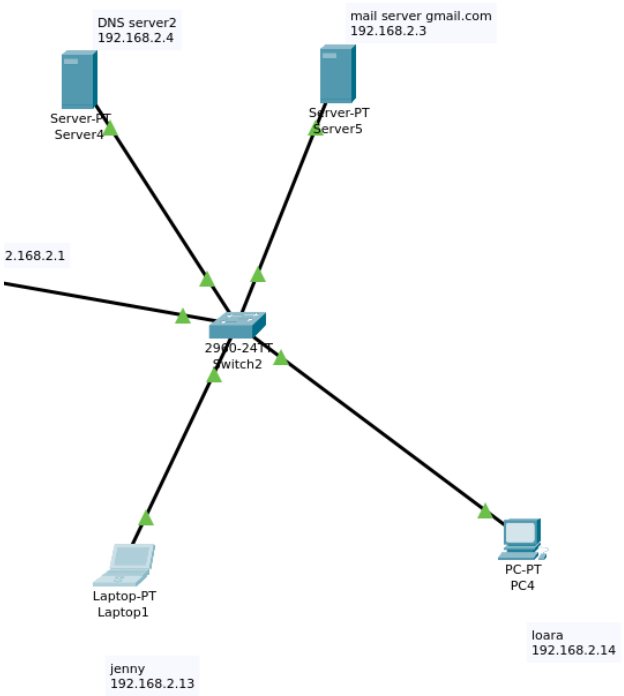

Figure 3: Right side configaration

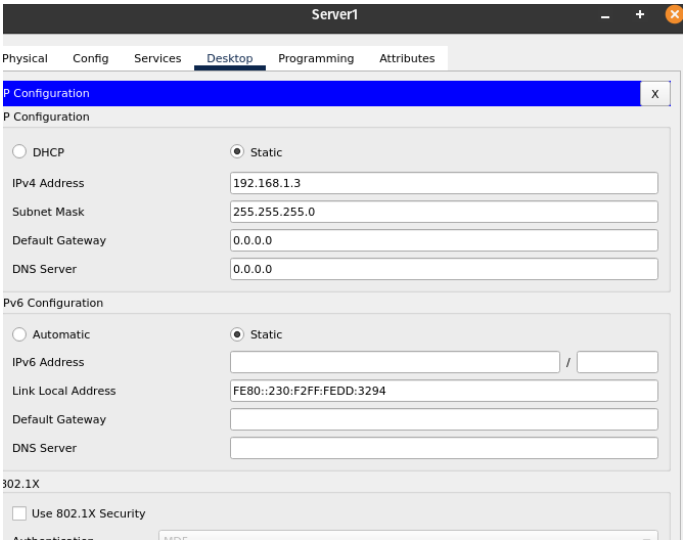

Figure 4: FTP server configaration

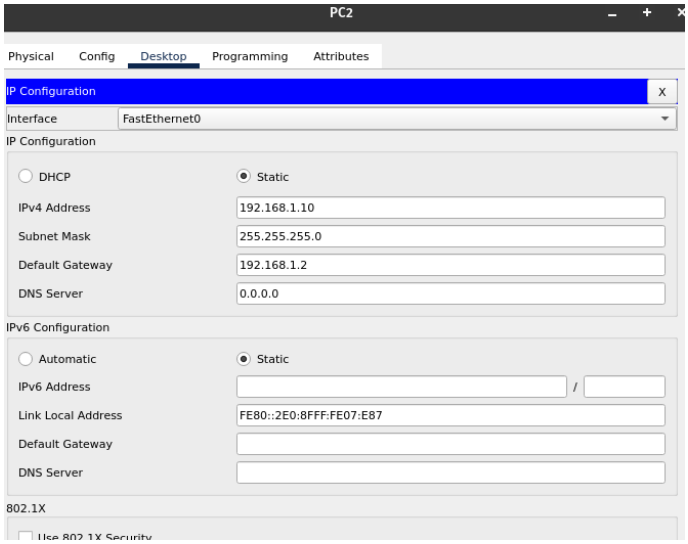

Figure 5: Pc2 configaration

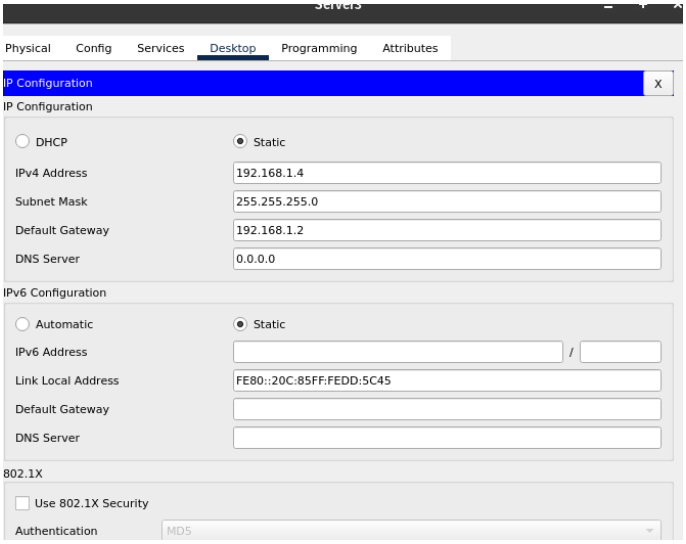

Figure 6: DNS server configaration

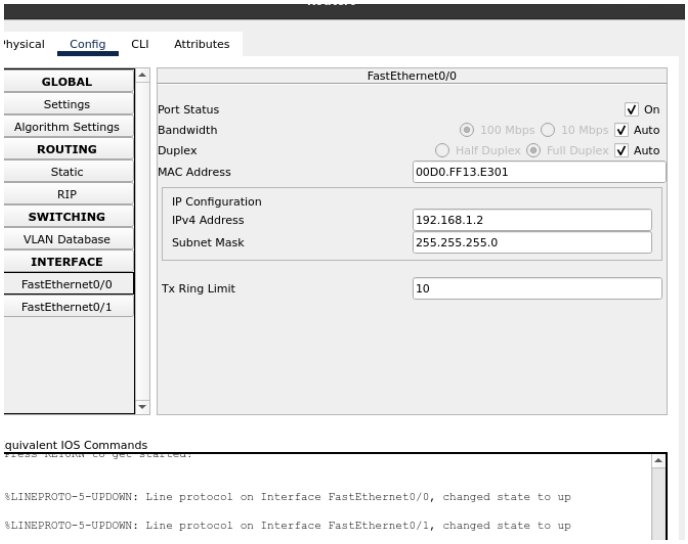

Figure 7: router configaration for left side connection

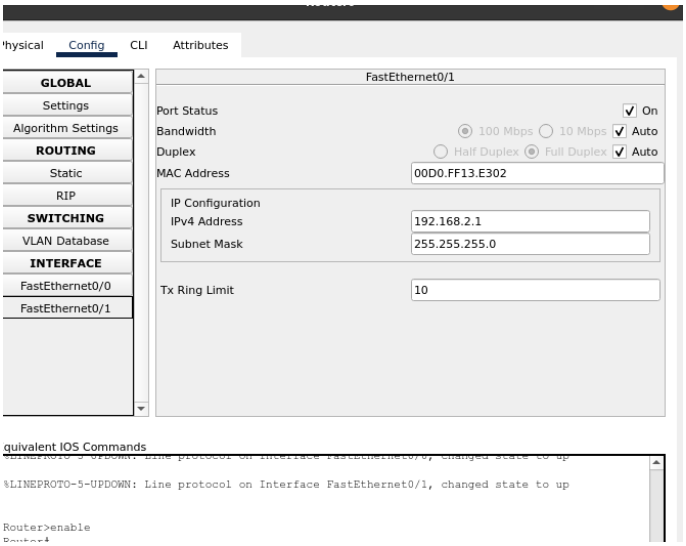

Figure 8: router configaration for right side connection

0.4 Result

Final structure

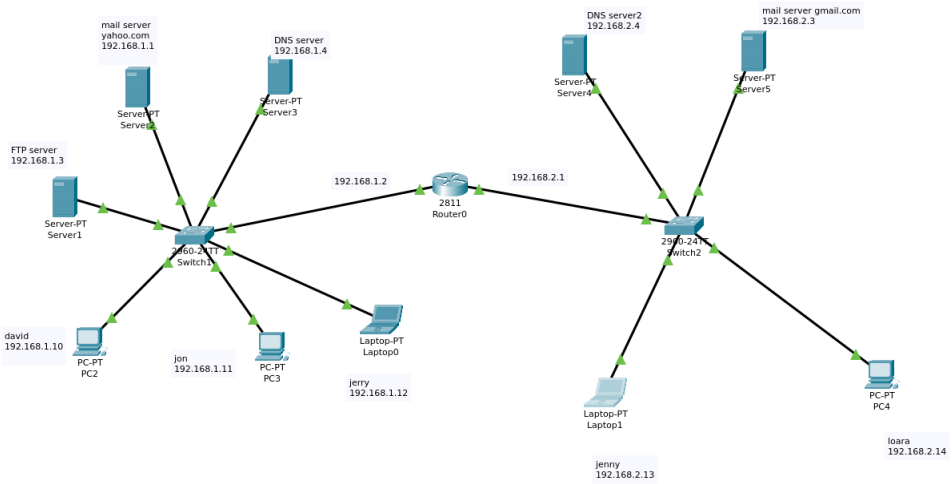

Figure 9: Final result

Email send form david pc to jenny pc

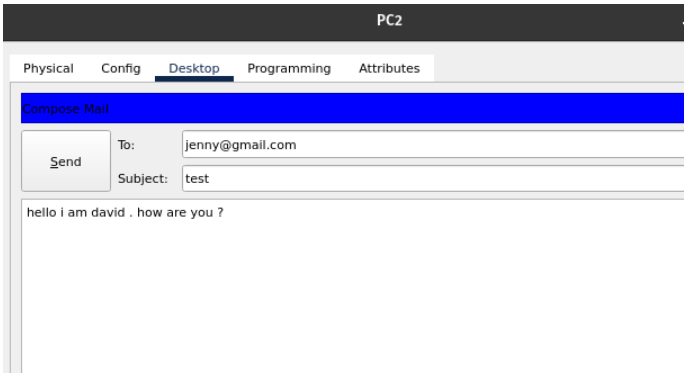

Figure 10: email send to jenny

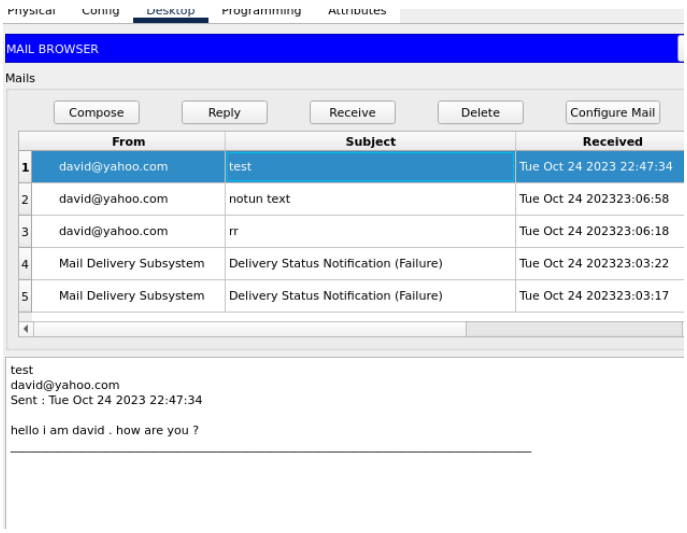

Figure 11: email received jenny from david

Ftp connection

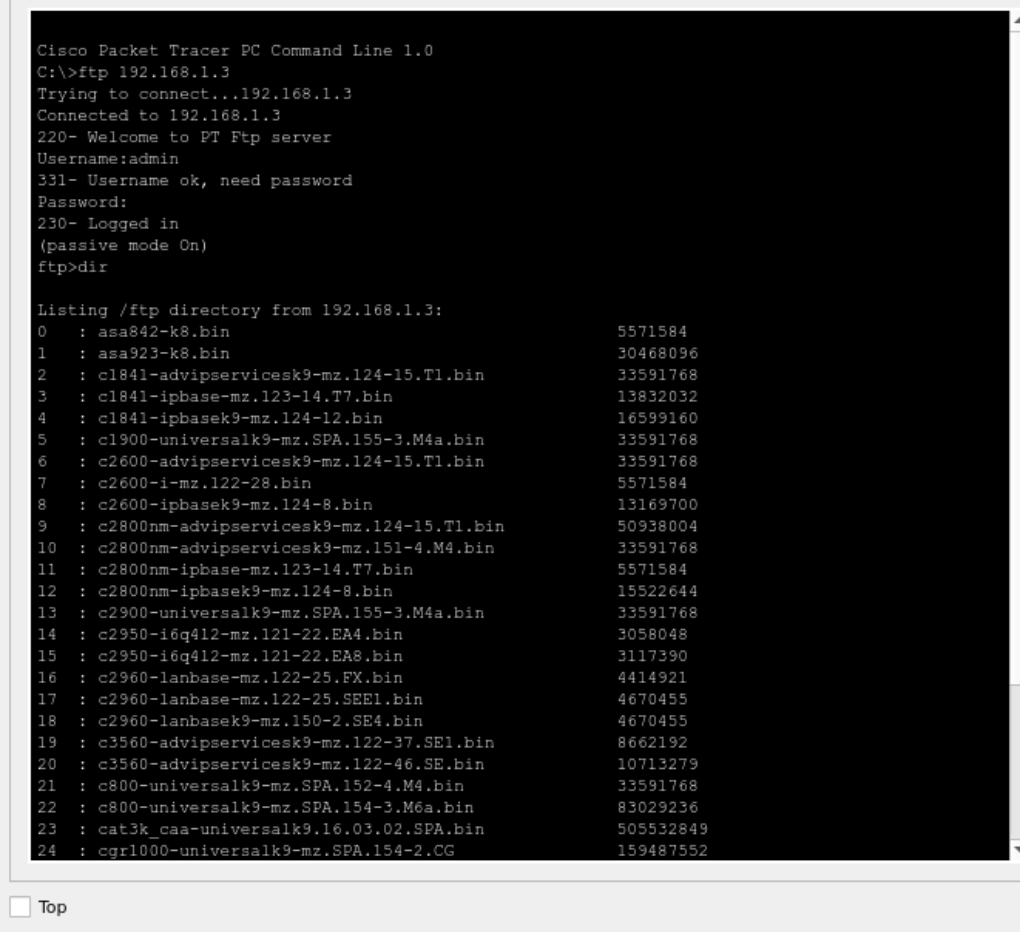

Figure 12: Ftp connection

0.5 Conclusion

Based on the focused objective(s) to learn the step-by-step configuration of an SMTP server. This will help learn the principles of networking with hands-on experience as well as develop Cisco technology-specific skills. The additional lab exercise will help us to practice SMTP network configuration and also help us to be confident towards the fulfillment of the objectives(s).
Based on the focused objective(s) to learn the step-by-step configuration of FTP server. This task will also help us to learn how to use the FTP services to transfer files between clients and the server.