



Department of Computer Engineering

Experiment: 10

Aim:

Configuration of email services(SMTP & POP) using packet tracer.

Description:

For sending and receiving messages, we use two protocols one is SMTP (Simple Mail Transfer Protocol) and another is POP3 (Post Office Protocol version 3). They are also called PUSH and POP protocols respectively. They are agents, Message Transfer Agent, and Message Access Agent respectively to send and retrieve the messages.

Difference between SMTP and POP3:

S.N	SMTP	POP3
1.	SMTP stands for Simple Mail Transfer Protocol.	POP3 stands for Post Office Protocol version 3.
2.	It is used for sending messages.	It is used for accessing messages.
3.	The port number of SMTP is 25, 465, and 587 for secured connection (TLS connection).	The port number of POP3 is 110 or port 995 for SSL/TLS connection.
4.	It is an MTA (Message Transfer Agent) for sending the message to the receiver.	It is an MAA (Message Access Agent) for accessing the messages from mailboxes.

5.	It has two MTAs one is client MTA (Message Transfer Agent) and second one is server MTA (Message Transfer Agent).	It has also two MAAs one is client MAA (Message Access Agent) and another is server MAA (Message Access Agent).
6.	SMTP is also known as the PUSH protocol.	POP3 is also known as POP protocol.
7.	SMTP transfers the mail from the sender's computer to the mailbox present on the receiver's mail server.	POP3 allows you to retrieve and organize mails from the mailbox on the receiver mail server to the receiver's computer.
8.	It is implied between sender mail server and receiver mail server.	It is implied between receiver and receiver mail server.

Conclusion

Configured server for email services using SMTP and POP3 protocol in Cisco packet tracer.