

POST OFFICE PROTOCOL

COMPUTER NETWORKING

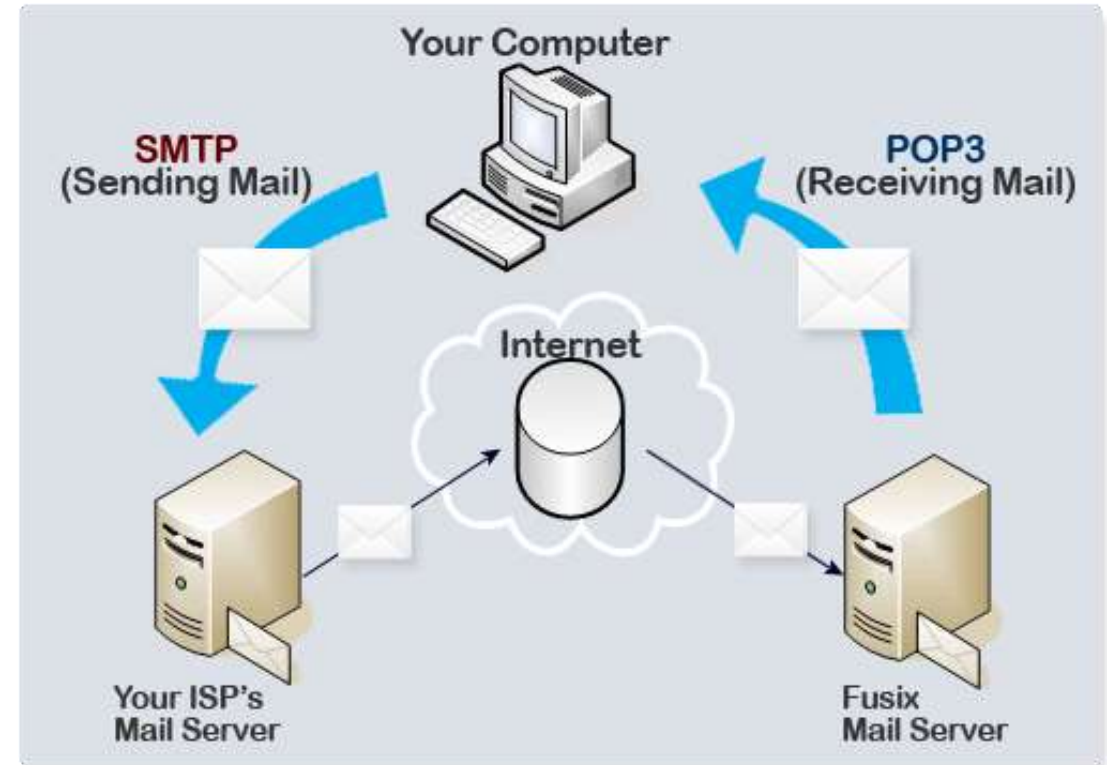
B.Tech CS B₁

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What is POP?

- The Post Office Protocol (POP3) is an Internet standard protocol working on Application Layer used by local email software to retrieve emails from a remote mail server over a TCP/IP connection.



History Of Pop

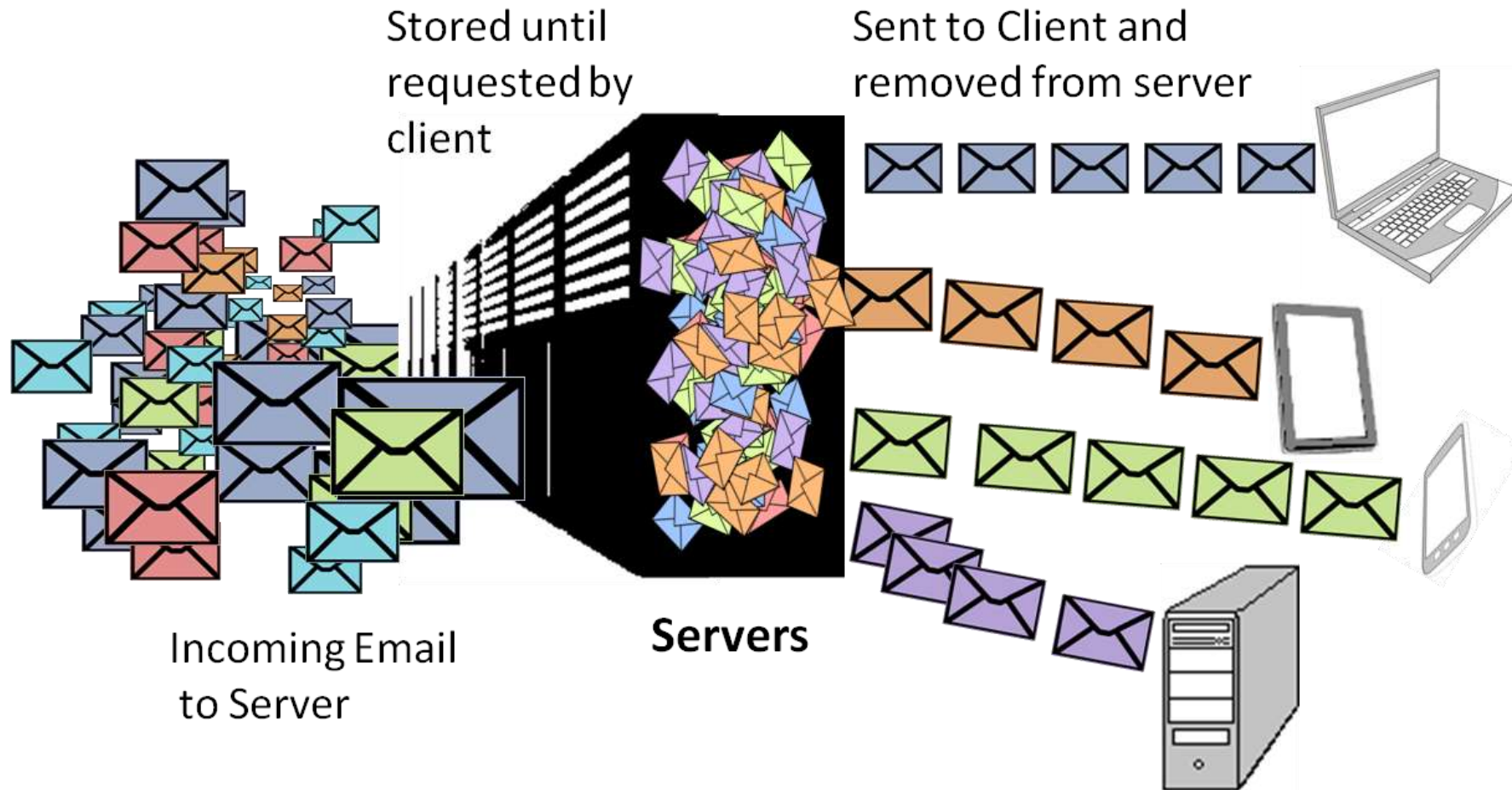
- The Post Office Protocol has been updated 2 times since it was first published. A rough history of POP is
- POP : Post Office Protocol: published 1984
- POP2: Post Office Protocol: published 1985
- POP3: Post Office Protocol: published 1988.
- So, POP3 means "Post Office Protocol - Version 3". Since 1988, POP3 has been the active version.

How Does POP Work?

- Incoming messages are stored at a POP server until the user logs in using an email client and downloads the messages to their computer. After user downloads the message, it is deleted from the server.
- While SMTP is used to transfer email messages from server to server, POP is used to collect mail with an email client from a server and does not include means to send messages.

What is IMAP and POP?

Post Office Protocol



Advantages Of POP

- For receiving e-mails only on one single device, POP3 is useful
- POP3 does not require an internet connection for accessing the downloaded mails.

Disadvantages Of POP

- POP is a limited protocol that lets your email program do nothing but download messages to the computer or device, with an option to keep a copy on the server for future download.
- With POP, it is not possible to access the same email account from multiple computers or devices and have actions synchronize between them.



Common Clients Using POP₃

- Eudora
- Gmail
- Outlook Express
- Mozilla Thunderbird
- Netscape
- Internet Explorer

The image features a minimalist design with teal-colored geometric lines in the corners. In the top-left corner, three parallel lines form an L-shape. In the bottom-left corner, three parallel lines form a more complex L-shape with an additional diagonal segment. In the bottom-right corner, three parallel lines form a diagonal shape pointing towards the bottom-left.

Thank
You