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How Email Works

Email Protocols 👉

- SMTP (Simple Mail Transfer Protocols) => Used to send emails.
- POP3 (Post Office Protocol 3) or IMAP (Internet Message Access Protocol) => Used to receive emails.
- This takes place in `Application Layer`.
- This connection is `TCP/IP` connection because we don't want to lose our emails.

Flowchart 👉

- Sender => mail went to SMTP server => Receiver's server => Receiver.

- `NOTE`: We can try to use `nslookup` command if you are on unix based operating system. Run this command to check IP Address of a **gmail.com** server,

```
$   nslookup --type=mx gmail.com
```

or

```
$   nslookup gmail.com
```

- The POP3 service runs on port `110`.

Flowchart of client connecting to POP server 👉

- Client => Authorize => POP Server
- Client <= Transact <= POP Server

IMAP (Internet Message Access Protocol) 👉

- This is known as Internet Message Access Protocol.
- This allows us to receive emails on the same address but view them on different devices.
- It allows you to view emails on multiple devices.