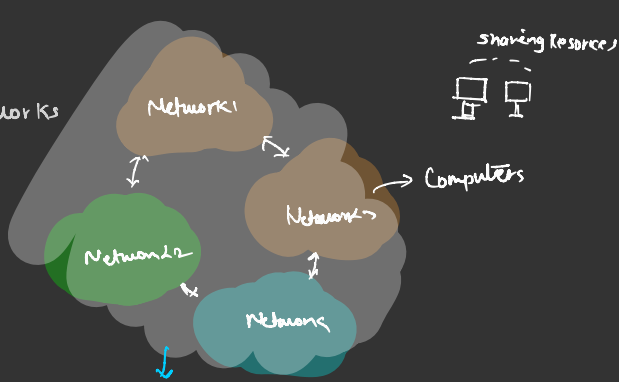


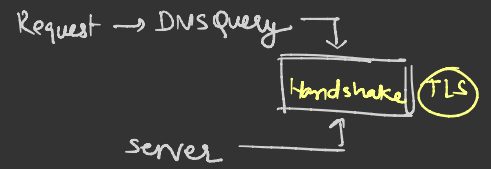
Network Basics

Internet → Networks
Interconnected



Network of Networks → Internet

Working:

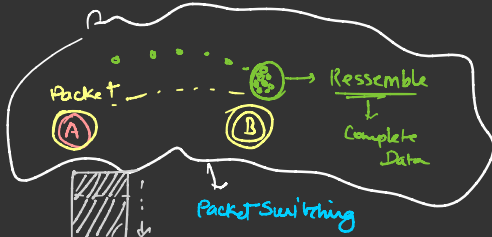


Functionality

↓
Packets



2KBit/s
- 10,000 Gb/s
- chunks
bits



114.44.21.01 443 Socket

- IP Address → Postal Address of Your System in the Network
- Port → Door at which your web server/Application Running
- DNS → Domain Name System
- Host → System nickname
- URL → Dictionary (Domain : IP Address)
- Methods → Uniform Resource Locator
- Status Codes → Actions Perform on the server

Request Result
(Codes)

GET, POST, DELETE, UPDATE

200 : Success
500 : Server error
404 : Req Resource -

TCP → Transmission Control Protocol
FTP → File Transfer Protocol
HTTP/HTTPS → Req/Resp Protocol

Application Layer Protocol

Browser ↔ Web Server

Chunks of data

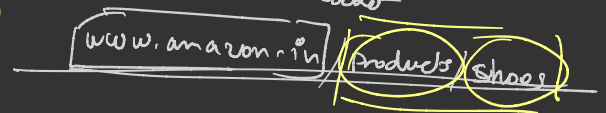


HTTPS

Hypertext transfer protocol secured.

- ① TLS
 - ② SSL
- ensure security of your data between User (Browser) & Server

www.google.com → IP Address
Socket



Infrastructure:

