

OSI Model (ISO)

OPEN SYSTEM INTERCONNECTION

Application Layer Presentation Layer (Session Layer Transport Layer Network Layer Datalink Layer

Each Layer is a package of Porotocols.

Application Layer

Physical Layen

Network applications

chorome, finefor, outlook, Skypc

HTTPS

FMTP, DHCP, SNMP, SMTP, POP3, TELNET, IRC, NNTP

File Transfer, web surfing, Emails, Virtual Terminals.

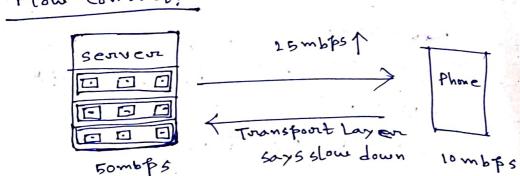
Presentation Layer:

Data from characters and numbers are convented into binary. (Trianslation) (it ASCII -> EBCDIC

*(ii) Data compression, (i) Lossy (ii) Lossless.

*(iii) Encryption: SSL (Secure Sockets Layer)
Decryption.

V session Layens: Manages connection and Toraminasion of connections. Main concept (i) Anthentication (ii) Anthorization (iii) session Management Toransport Layer !segmentation: Data segments Punt Data Mils Chrome bronger Data Flow control; 25mbps1 Senven



- (1) Autometic Repeat Revuest if any data Locat.
 - (II) checkson.

Porotocolsi

Toransmission contorol Porotocol (TCP). > slower but acknowledgement of oreceiving data Useur a Dortagoram Porotocol (UDP) Frateur but no acknowledgement of oreaciving of data. Senvices :

connection oriented Toransmission Via -> TCP (www, Email), FTP). connection less Transmission via > UDP (online storeaming, videogames, TETP DNS).

Network Layer:

Logical Addressing: -IP4 & IP6

Works with Packets.

Routing

Path Determination.

+ Datalink Layer!

MAC ADDRESS.

Physical Layer:

Frames -> Bits -> Wired or Wireless Media.