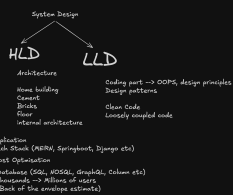


Introduction to HLD //

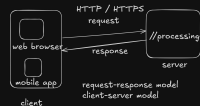


HLD -> Architecture (Application)

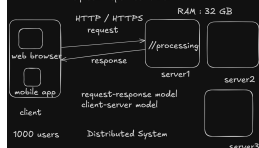
Software / Application

↓

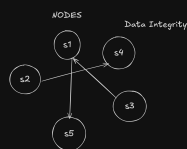
Website
Mobile Application



Request-Response Model



Horizontal Scaling vs Vertical Scaling



Network Communication

NW Communication are rules that both client and server follow to communicate.

NW Protocols (RULE)

ISO_0SI model (7 Layer Model)

Application -> (HTTP, HTTPS, FTP, SFTP, SMTP, WebRTC, WebSockets)
presentation
2
Transport -> (TCP, UDP)
Network

APPLICATION LAYER



FTP / SFTP
FTP : File Transfer protocol
SFTP : Secured FTP

SMTP (Simple Mail Transfer protocol)
POP3/IMAP (Mail Receive)



HTTP
(Client1, msg)

(peer to peer)



server
(NO Need of server)

TCP
Transmission
Control
protocol

Reliable (SLOW)

UDP
User
Datagram
Protocol

Non-Reliable (FAST)

