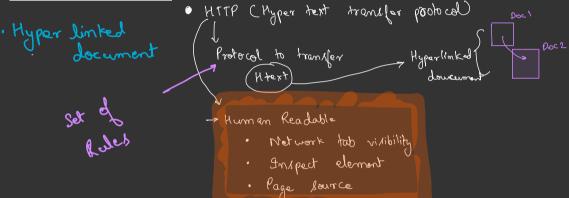


Web Development

. HTTP



- hitesh.ai/cohort-diogram
- · Opal · closify · wakatime · Health For VS Code

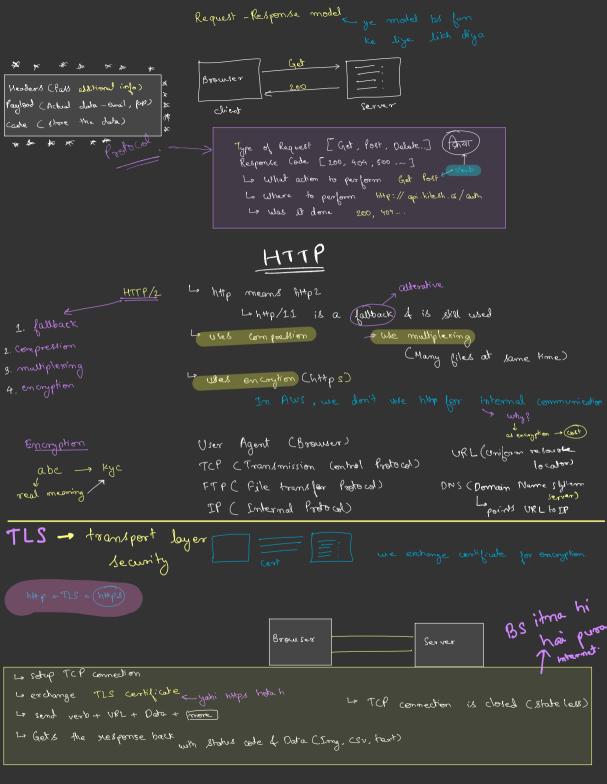


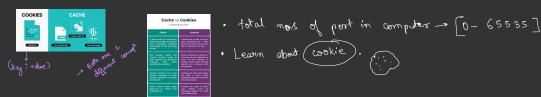
- · Stateless protocol · Stateless Protocol

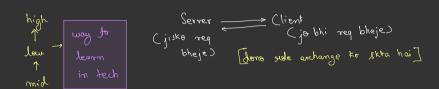
 - → Every time you visit a page, you are a now user → No memory of Previous req. (har box noya type)
- Session
- Browser (Ooke) = Cookie
- · Session

Stored State between frontend and backend







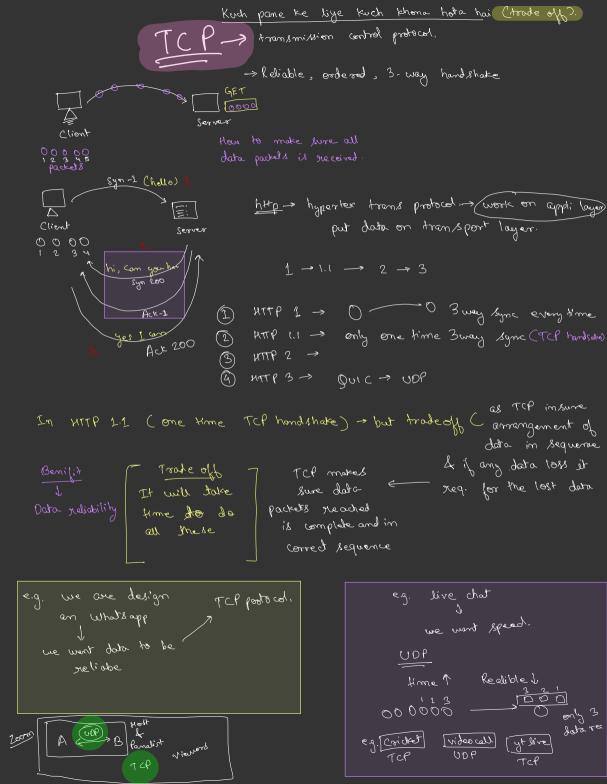


e.g. notflix if I have basic subs (1 device) if we login in other device other device got logout how? 017 -> (multiple cookie -> lame user) They track agent too (nos of different devices) if nos. of devices increases (other one gots logart) (My Cookie -> My website) Only website that created cookie only can use that cookie

Data movement $\bigcirc \longleftrightarrow \bigcirc$ → Open system inherconnect (7 Layers) Model OSI

- 7. Application of application layers
 5. Session

- 4. Transport → TCP/UDP ().
 3. Network layer → routing (shortest path) ip illress
 - Data lienk layer frames (e.g. TCP, TP)
- 1. Physical layers Bits 010



Browser goode.com GET	godaldy $ o$ if we by Domain
Client 1.23.4 DNS Resolution	[Internal working of DNS]
ONS (Soaler com) NOS (Sassay)	DNS Server chai.com P Root Server
	7 . Com ip
1 1 2 2 1 2 2 2	> 13 root servers) our nequest goes
, World -	13 root servers our request goes
- which protect to use?	genver.
UDP in ONS relation	m .ai .ok .m /(4) to observe
	name searer ANSÍ
(2) Small paylood (3) If data lost we can	(e.g. gododdy)
again request.	
TIS to Johaka	
· TLS hand shake CAsymetric Key)	
Now a certificate is mode?	
→ Tunneling, when hooks	
→ Piplining, Overheads	
Internet -> voit global metwork	of intermeded computers,
servers and devices, world wide	J Novious servius
	ne exums
to share data via it g Standard protocold it i	www Email
Standuito Ir	? gecontagizeg. Eurong Eurong
· Internet is physical infra (cal	, URL) -> which can be accelled
Yeura cum am E	via brower.
9 How data is townsferred?	Packets travelled Packets askembled via multiple at destination resters
Data broken to labolled with packets Source and	resters
Key protocol used -> TCP/IP /	UDP / (HTTP/HTTPS)

I It address, Domain names and Routing? Il adderess - unique identifier given to each device. so that device communicate with each other. IPv4. -> Uses 32 bits address -> limited to 4.3 Billow users. If i c was 128 bits address - untimited work. Domain name -> Il address are very hard to remember, therefore Routing -> Routing is the process of determining the best path for dota to travel source to destination. · Routing tables -> shore information about network patril. " Poots col like BGf (Booden Gate way Poots col) -> helps rollers to communicate and finds the best route for data packets.