HTTP

Hypertext Transfer Protocol

Protocol used to transfex Htext

The set of rules

Web Docs

Human Readable

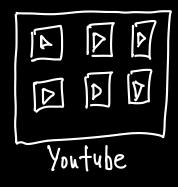
La Network tab visibility

1> Inspect element

La Page Source

State less Protocol

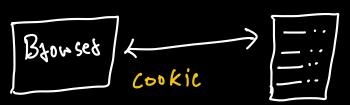
Every time you visit a page, you are a new user.



4 No memory of Prev Reg

Session

Stoked state b/w frontend & Backend



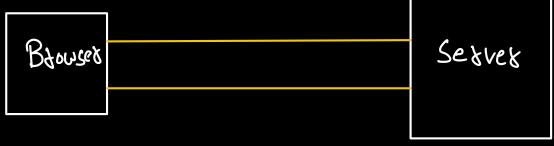
I need to send more Into from Sexyex to Browsex HTTP Headers 4 client La Browser Info 4 Date Time La cookie to stoke Request - Response Model Cye model be fun ke lige likh diga Blowsed Gret > - ... Type of Request [Gret, Post, Delete...] Response Lode [200, 404, 500 ----] Ly What action to perform Gret Post Verb

Ly Where to perform http://api. hitesh.ai/auth

La lit done 200, 404 ...

HTTP/2

4 http means http2
4 http/1.1 is a fallback & is still used h uses compression Ly uses multiple xing (Many files at same time) Ly uses encyption (https) In AWS, we don't use https for internal communication User Agent (Browser) TCP Transmission Control Protocol) FTP (File transfer Protocol) IP (Internet Protocol) URL (Uniform Resource Locator) DNS / Domain Name System Seaver) 4 points URL to IP Heades (Pass additional Information) Payload (Acual data - email, pass) Cache (Store the data)



L) setup TCP connection

L) exchange TLS cestificate

L) send Veto + URL

+ Data + mixe

L) Grefs the kesponse back

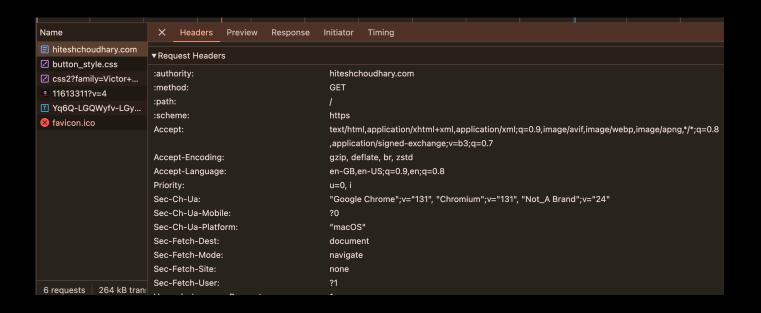
with status code. 8 Data (Images you text)

Ly Grefs the kesponse back with status code & Data (Img, csv, text)

Ly TCP connection is closed (State less)

Bs itna hi h web

Name	X Headers	Preview	Response	Initiator	Timing	Cookies				
■ hitesh.ai										
1 66f30814ff6d7cdf.p	▼Request Headers									
	:authority:	hitesh.a	hitesh.ai							
I d9396795aa5ec363	:method:	GET	GET							
	:path:	1	1							
☑ 4fa97b7dc634f169.c	:scheme:	https	https							
webpack-0b0727325 webpack-0b0727325 webpack-0b0727325					text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/					
☑ 01f950b4-2bb6194b					application/signed-exchange;v=b3;q=0.7					
	Accept-Encodir		gzip, deflate, br, zstd							
main-app-e5262c9f0			en-GB,en-US;q=0.9,en;q=0.8 max-age=0 dub_id=DxsXzq3RnhlHkyJT; ph_phc_949YeaY1xCSp9A5LO1lSmsE3ibNFWrCu6YeEjULzKEE_posthog %3A%2201943d30-f9a2-75cf-91cd-							
69bc96fe-d8001f90 60bc96fe-d8001f90 60bc96fe-d8001f90 60bc96fe-d8001f90 60bc96fe-d8001f90 60bc96fe-d8001f90 60bc96fe-d8001f90 60bc96fe-d80001f90 60bc96fe-d80001f90001f90 60bc96fe-d80001f90 60bc96fe-d80001f90 60bc96fe-d80001f90 60bc96fe-d80001f90 60bc96fe-d80001f90 60bc96fe-d80001f90001f90 60bc96fe-d80001f90001f90001f90001f90001f90001f90001f900001f90001f90001f900001f900001f900001f9000001f90000001f900000000	Cache-Control:	ŭ								
49d5a48b-fd4a3a45 40d5a4b-fd4a3a45 40d5a4b-fd4a5a45 40d	Cookie:									
☑ 7076-264ab5a0bf29										
☑ 4910-83e091b0bfa3						a6834e2f7875%22%2C%22%24sesid%22%3A%5B1736193407403%2				
					75cf-91cd-a68161bc65bb%22%2C1736193407394%5D%7D					
4115-c09af62c6308	Priority:	Priority:				u=0, i				
33 requests 5.1 kB trai	Sec-Ch-Ua:			"Google	Chrome"	;v="131", "Chromi	um";v="131",	_A Brand";v="24"		



https://hitesh.ai/course/seasch?id=1234

Paotocol

Unitown Resoutce Name

La host

La connection Post (80 R 443 axe invisible)

4 Resource Path

La Guery (Params)

Network Tab