WEBGOCKETS

In a regular HTTP connect, the foll

Connect to established after TIS handshope Reg is sent from when the server Some server from when the server server frequency is terminated after the server server and then after gettin tack responses, all 5 connects are terminated.

(5) Now connect is streated every single time the me eg! - now connect created to hit several REST enough for issuin regs.

client res sources

(only receives can send data)

Websockets time who can talk who rent by him to send regs. client bi-diral comm | Server | These sockets are created as ws: //abc.com Send a let to a friend thry a chat window.

Sent sender -> data purhed from chent

(sender's clinic) to serves

Lext receiver -> data pushed from serves

to client (receiver's deine) Sg:and thus, the UI on chint undates to show treed. My Birdinal comm's achieved by not closed terminain the conner that they originally Whener a client establishes a relatiship with the server is connect stays until the dient or the server decides to terminate the connect eg: - Wed in all real time services like stockbroken platforms, that apps, maps Mote: Websockets is an HTTP ungrade -> uses the same

Chent SANG Nandshake Corner opened Bi-dirⁿal msg comm Open, Persistant closed on one Connein dosed Where when we hobsockets used 1) Real-time apps (load the VI who refreshing the VI) asynchy sends sugs who refreshin. NOTE: AJAX -> an implement over HTTP whore

we do HTTP pollogy/ streaming

AJAX, uses HTTP so everytime it's

golf open a new socket & then

poll the data fathry. (2) Caming apps (UI refreshed w/o hvin to 2000) that apps.

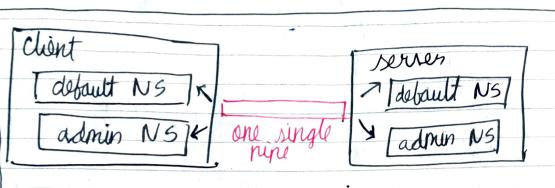
Page.

lan go to any website (say - a stockbrokin service) and open Chrome Der Joob - Network - click on each ropper loaded as part of website - see if reg URI is - nttp or https. W6 or W65 Most feeds are undated via wis only. lan go in a ws channel - Frames and observe the diff msgs gettin loaded cont-ly When not to use hebsocket 1) Whenes we don't wanna he only the new data luant old info also - here HTTP REST endpts. provide a 1 stop soln.) 2) Loading the data only once. AJAX & nebsockets Client raylord NEW Down Client reg-12.5x faster than Colling - send AJAX seq ever 'n' ant of sees for now data (not true real time) Ollate AJAX, here reg. header is sent only once Long Bolling - send reg. to server to keep connect over until new data

Serven Events 7 use the eventsource API to server Not truly be direct all as it is based from the serven sendin to the dient. Requires un ayou to sorver de > No binary msg capability (which uelsockets support) hebockts & == not replacement of HTTP i) HTTP promdes auto-cachin ii) WS needs special config. for load training iii) WS can't comm. With REST API socket IO 1) 55 lib for manipulation nebsockets (includes fallback mech. & reconnec"s) (2) Hardles discorner & conner events (3) Namenaus: and Room broadcastin grap of donts grap of clients namespace -> comm channel that allows

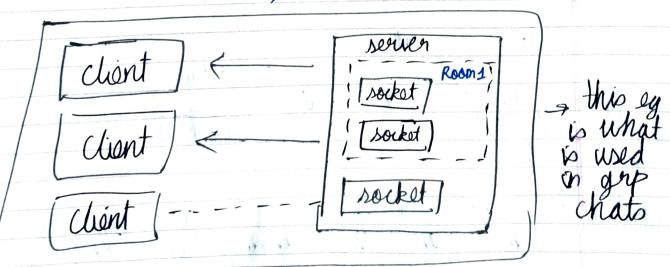
WS = nietrosocket

you to solit the logic of your approves a single shared connect



In this eg: - gou created on det admin NS
that only outh ed wers have access to so
the logic related to those users is separated
from the rest of the app.

Rooms - Within each NS, you can define arbitrary channels a ka "Rooms" that sockets can join or leave 1 don't, I socket.



NOTE:

Sunchronous servers don't general have support for WSs & (as they we blockin f.3) so we use like such as Eventlet, sevent to mankey patch (i.e. unbrock these blockin f's) deployment of ws onto serve