Learning goals

- **™What is SignalR?**
- **SignalR** transports



What is SignalR?

Adds real-time web functionality to apps Connected clients receive content instantly □ Ideal for: ☐ Chat apps Dashboard ☐ Monitoring Transports: ☐ WebSockets ☐ Server-sent events ☐ Long polling

websockets

? ❖ Settings

1 result found

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Web Sockets ■-LS												%	of all users	\$?		
Global													97.399	6 + 0.33% =	97.72%	
Bidirection	Bidirectional communication technology for web apps													97.399	6 + 0.29% =	97.68%
Current aligned Usage relative Date relative Filtered All 🌣																
IE	Edge *	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Android * Browser	Opera *	Chrome for Android	Firefox for Android	UC Browser for Android	Samsung Internet	QQ Browser	Baidu Browser	KaiOS Browser
		2-3.6		3.1-4												
		4-5	4-14	5-5.1	10.1	3.2-4.1										
6-9		² 6-10 ⁻	15	6-6.1	11.5	4.2-5.1		2.1-4.3	12							
10	12-87	11-84	16-87	7-13.1	12.1-71	6-13.7		4.4-4.4.4	12.1				4-12.0			
11	88	85	88	14	72	14.3	all	81	59	88	83	12.12	13.0	10.4	7.12	2.5
		86-87	89-91	TP												
Notes Test on a real browser NEW Known issues (1) Resources (10) Feedback																

Reported to be supported in some Android 4.x browsers, including Sony Xperia S, Sony TX and HTC.

¹ Partial support in older browsers refers to the websockets implementation using an older version of the protocol and/or the implementation being disabled by default (due to security issues with the older protocol).

² Partial support in older browsers refers to lacking support for binary data.

SignalR Hub

Hub

Context:

ConnectionId
UserIdentifier
User
GetHttpContext()
...more

Clients:

AllExcept

Client

Group

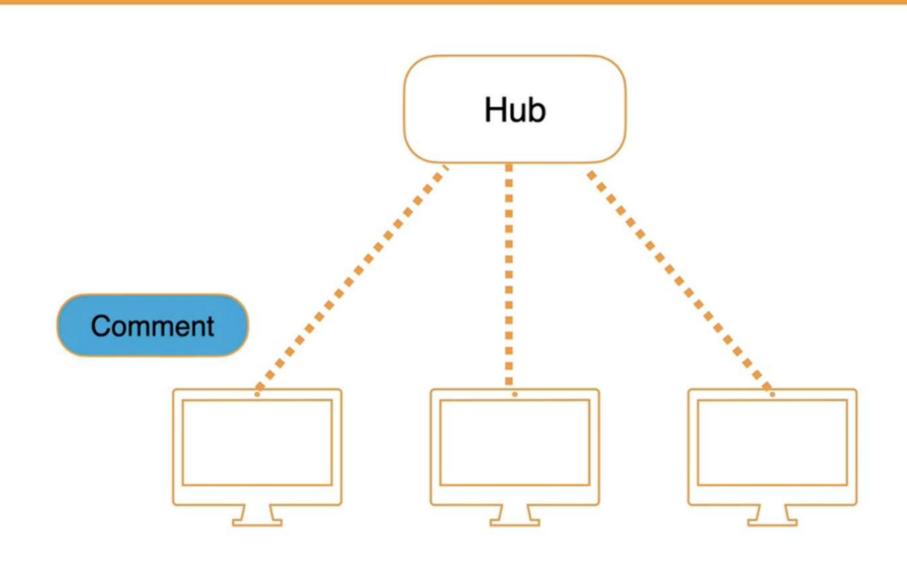
Caller

Others

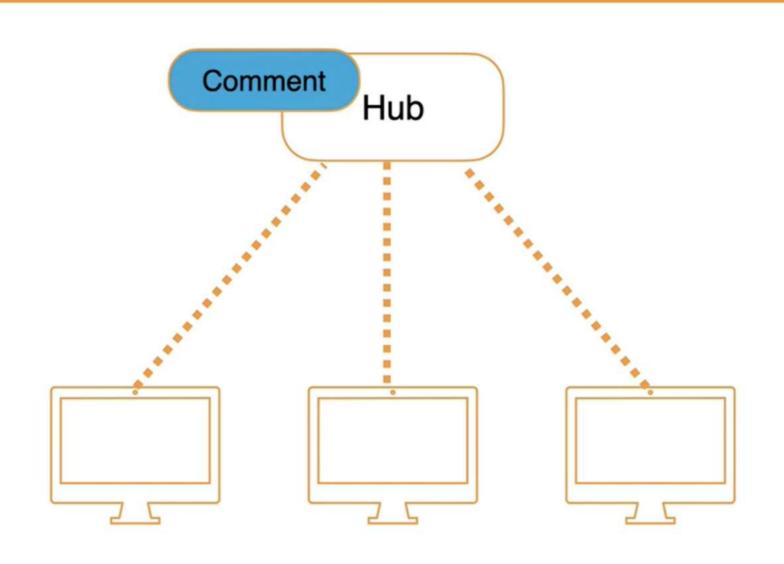
...more

- Allows connected clients to call methods on server.
- Can send notifications to connected clients

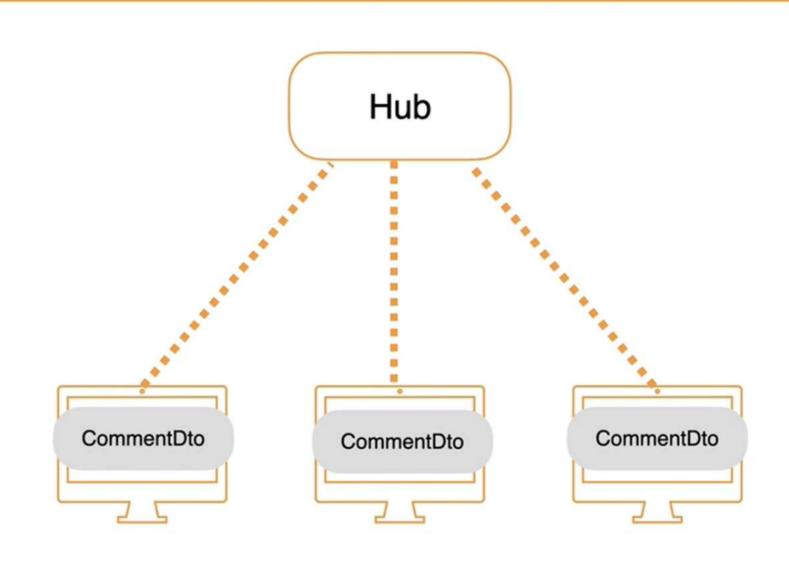
SignalR

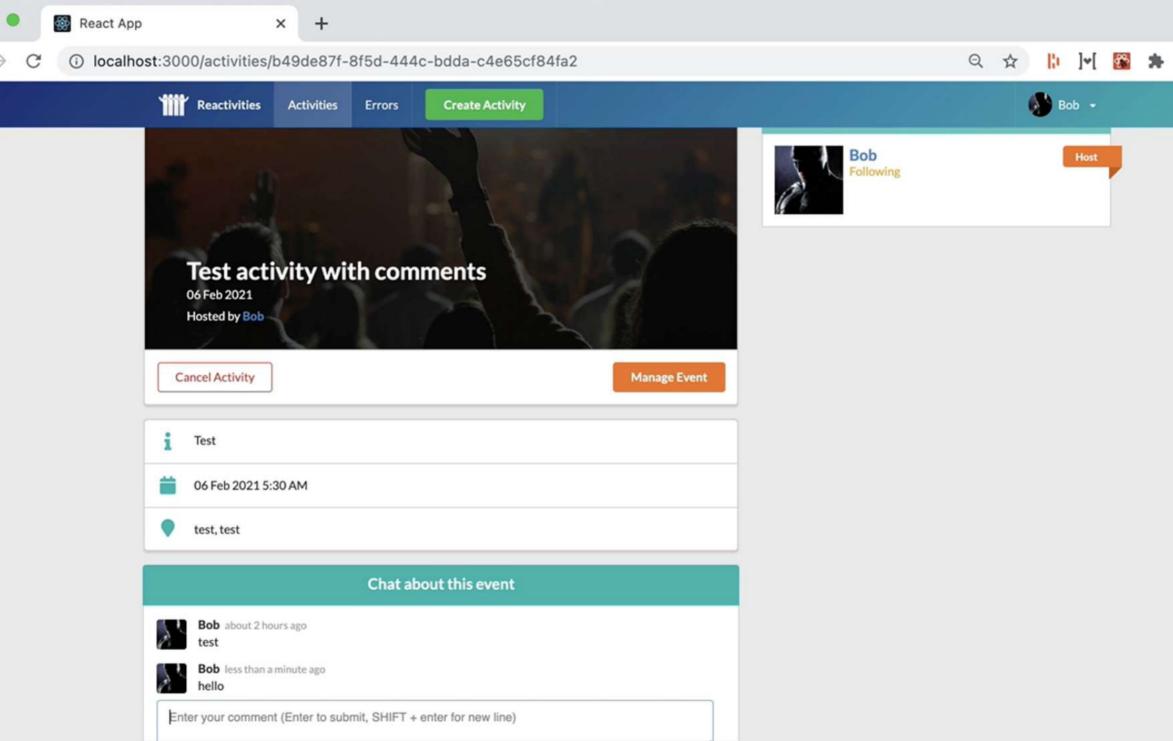


SignalR



SignalR





Section 19: SignalR 1 / 13 1hr 29min					
~	208. Introduction Tmin				
	209. Setting up the comment entity 6min				
	210. Adding a comment DTO and mapping 3min				
	211. Adding the create handler 6min				
	212. Adding a list handler 4min				
	213. Adding a SignalR Hub 10min				
	214. Authenticating to SignalR 3min				
	215. Adding SignalR to the client 11min				
	216. Connecting to the hub 11min				
	217. Sending comments 8min				
	218. Adding validation and fix issues 5min				
	219. Resolving UTC dates 11min				
	220. Summary of section 19 4min				

Can I use SignalR for other things in the app?

Yes! You can use SignalR for pretty much anything you create in this app. You could use it to notify users when a new activity is created. You could send the newly created activity to the clients connected.

Think about scalability though. Just because you can... does not mean you always should!

