Getting Started with ASP.NET SignalR

STARTING WITH SIGNALR

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Module Overview

The Power of SignalR

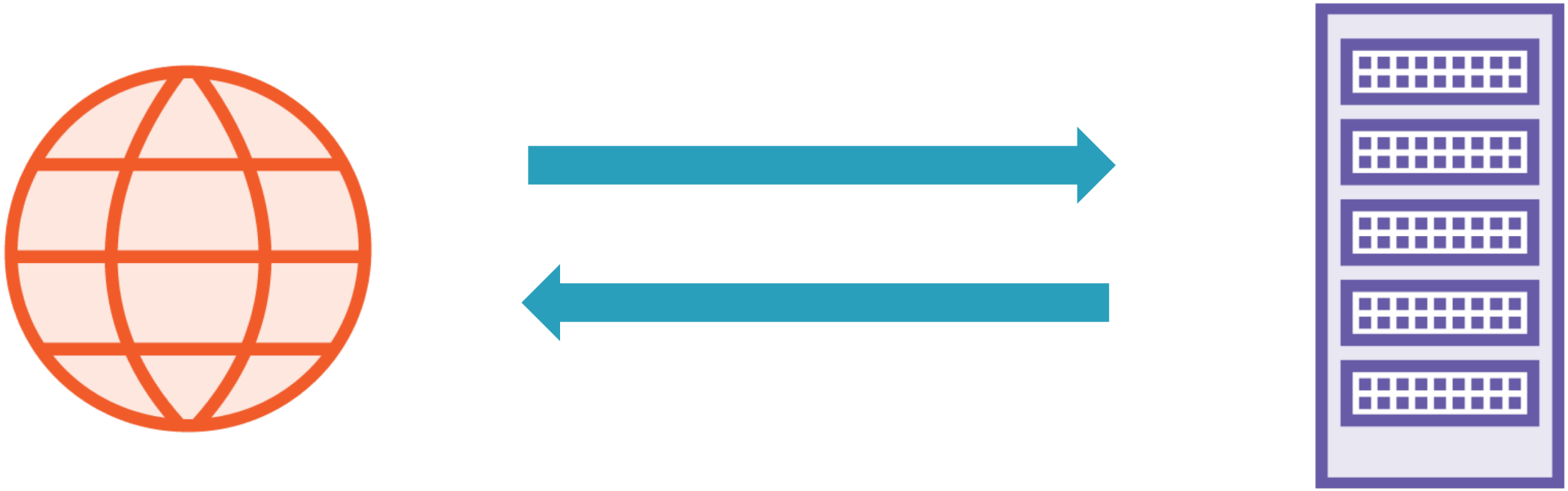
SignalR Transports

What is SignalR?

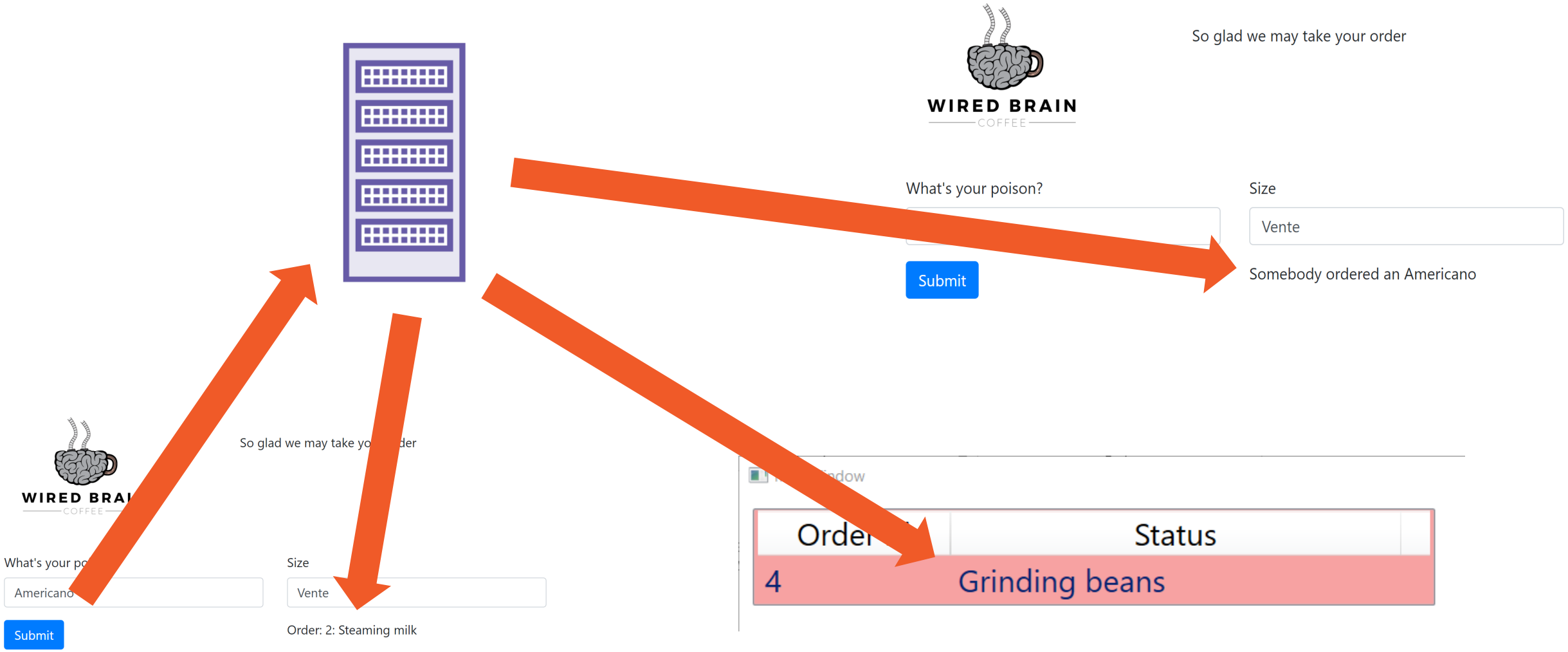
SignalR and Remote Procedure Call (RPC)

Real-time Web Applications

An HTTP Request

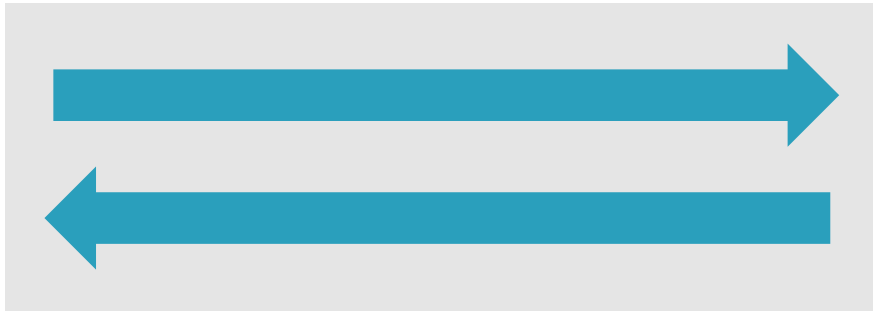


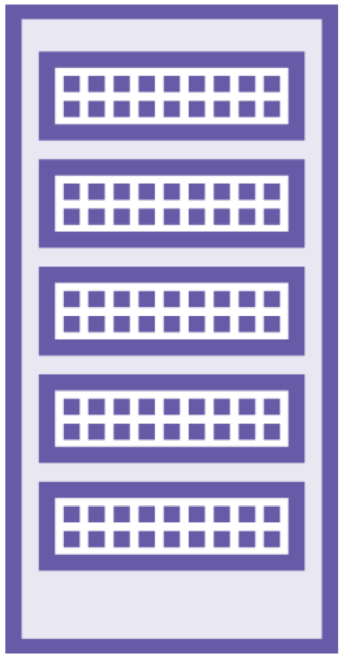
Application Flow



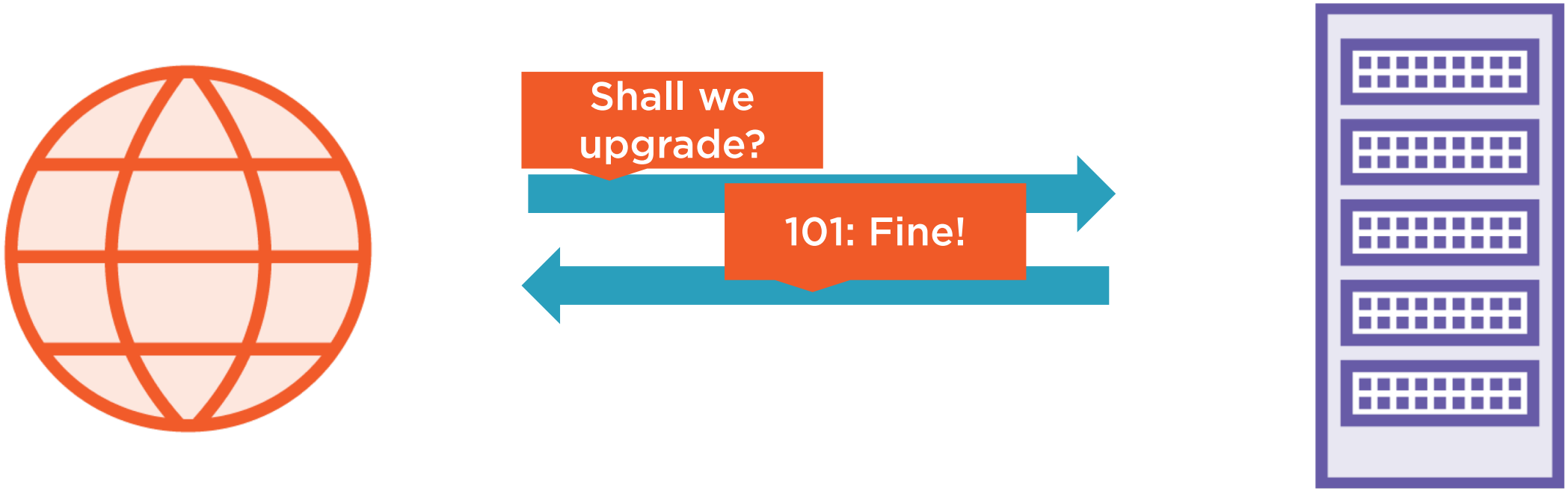
Server to Client

Web Sockets





Web Sockets Handshake



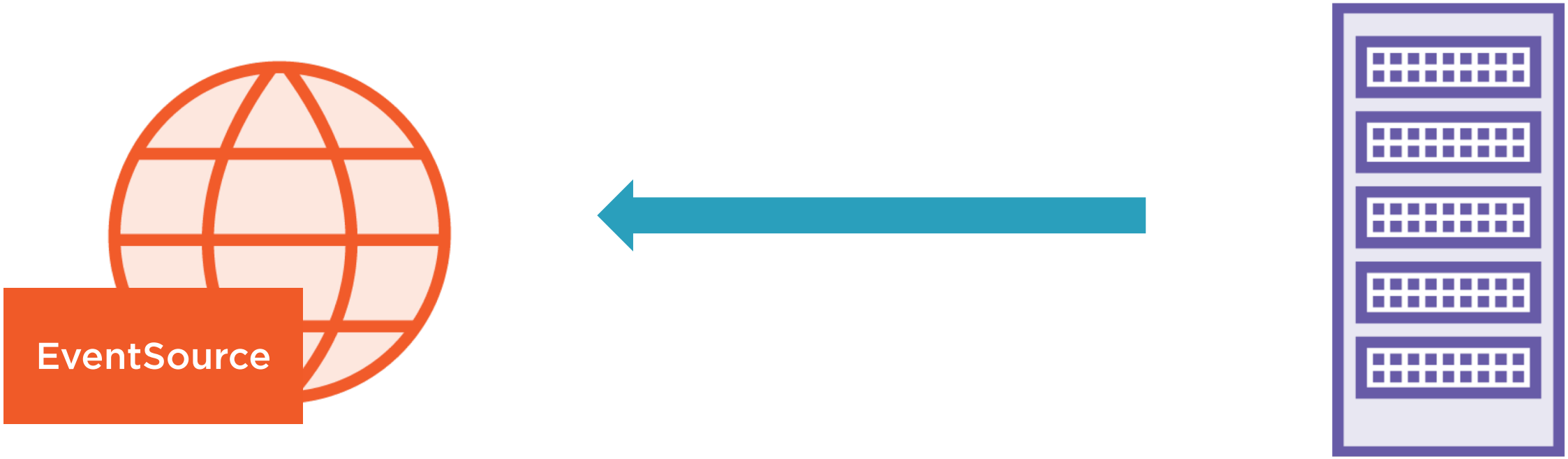
WebSockets Pros and Cons

Fast

All components have to support it

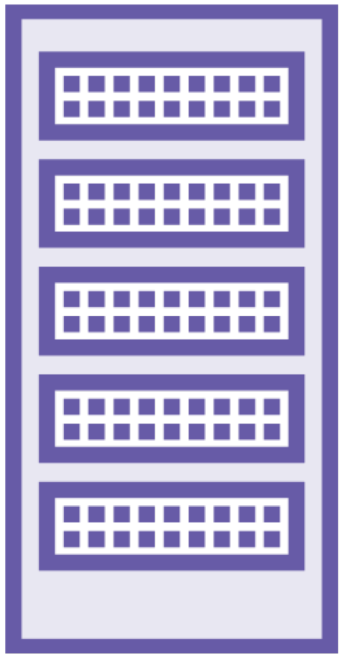
If not, there are alternatives

Server Sent Events (SSE)



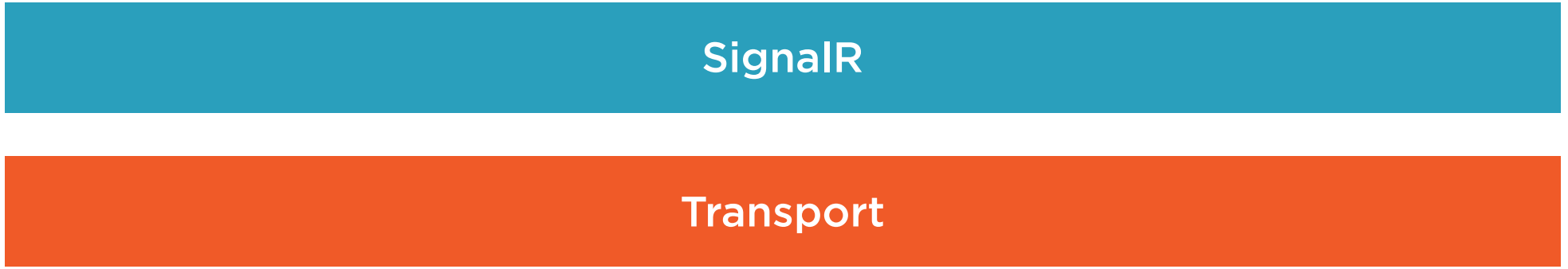
Long Polling

Long Polling



SignalR is an open source framework that wraps the complexity of real-time web transports

SignalR and Transports

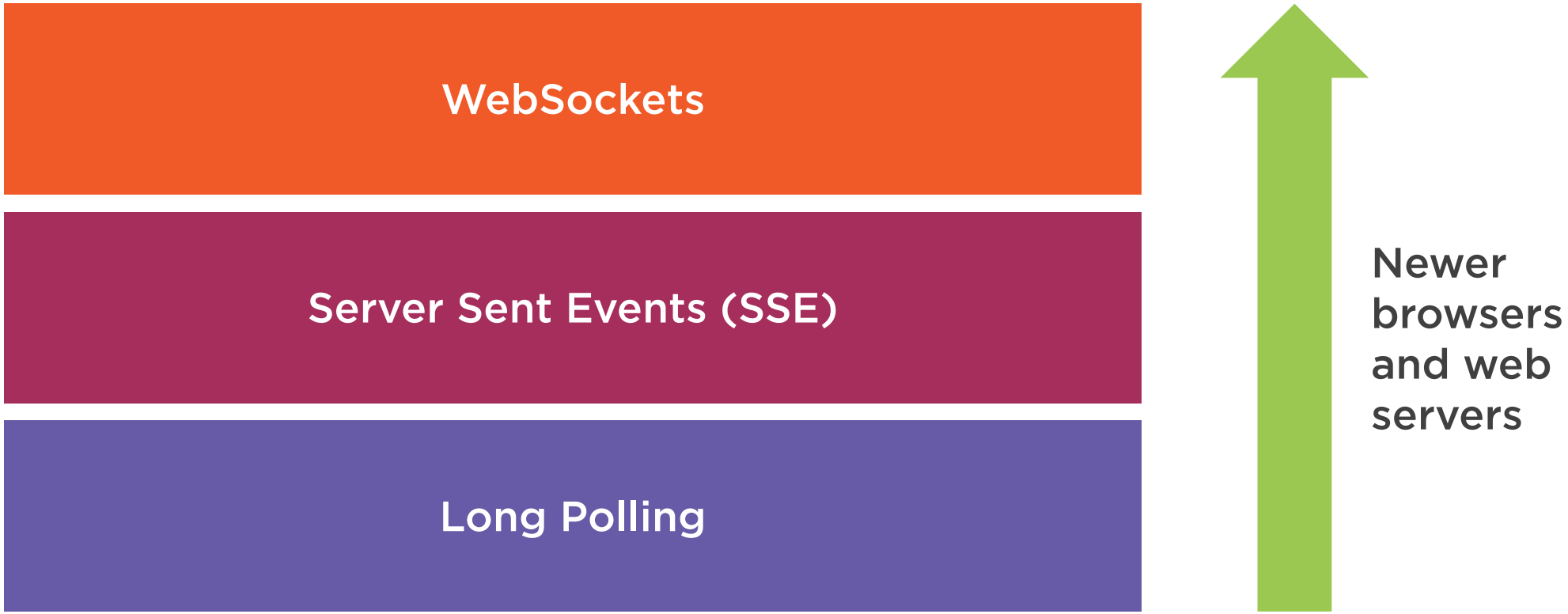


Two Parts

Server side

Client side

Transports and SignalR

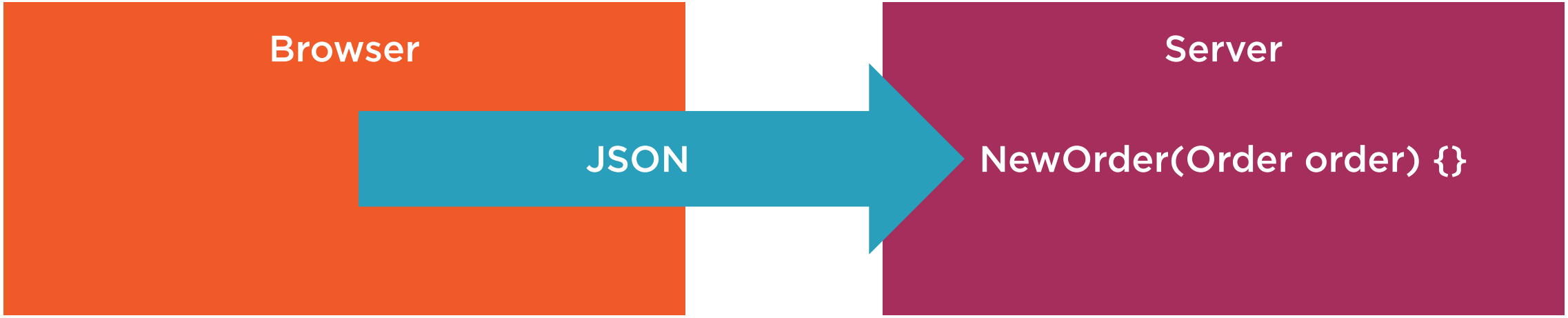


SignalR lets the server call functions on the client using Remote Procedure Call (RPC)

Remote Procedure Call (RPC)

Remote Procedure Call (RPC)

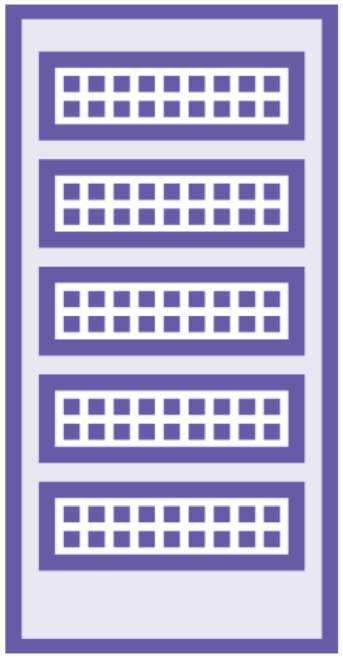
Remote Procedure Call (RPC)



A Real-time Web Application is an application that supports server to client communication.

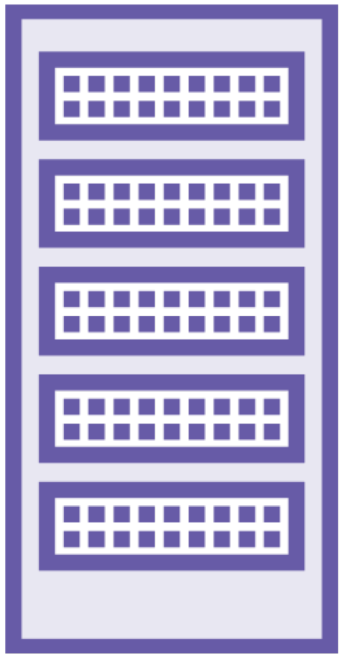
Real-time Web Applications

PS: $40



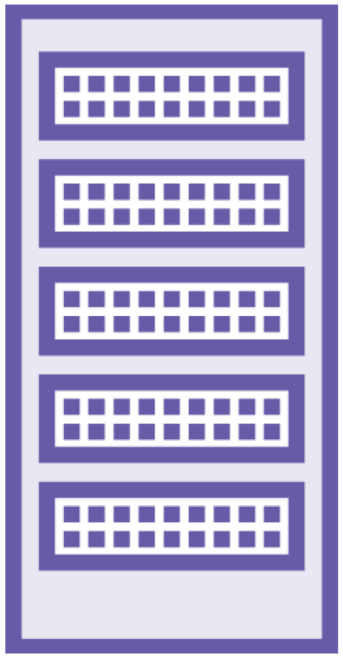
Real-time Web Applications

From: John Subject: Going out



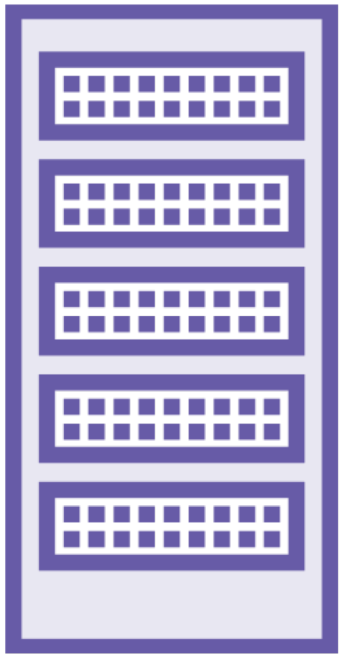
Real-time Web Applications

Player 2 now at position 34,74



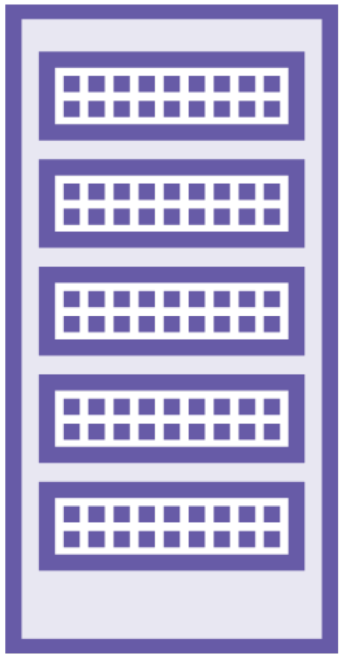
Real-time Web Applications

Joan edited line 43: The quick..



Real-time Web Applications

New post from @cath: I'm now..



Summary

- Websockets, Server Sent Events, Long Polling
- Transports
- Fallback Mechanism
- Remote Procedure Call (RPC)
- Examples of Real-time Web Applications