ASP.NET SignalR
Challenges & Opportunities

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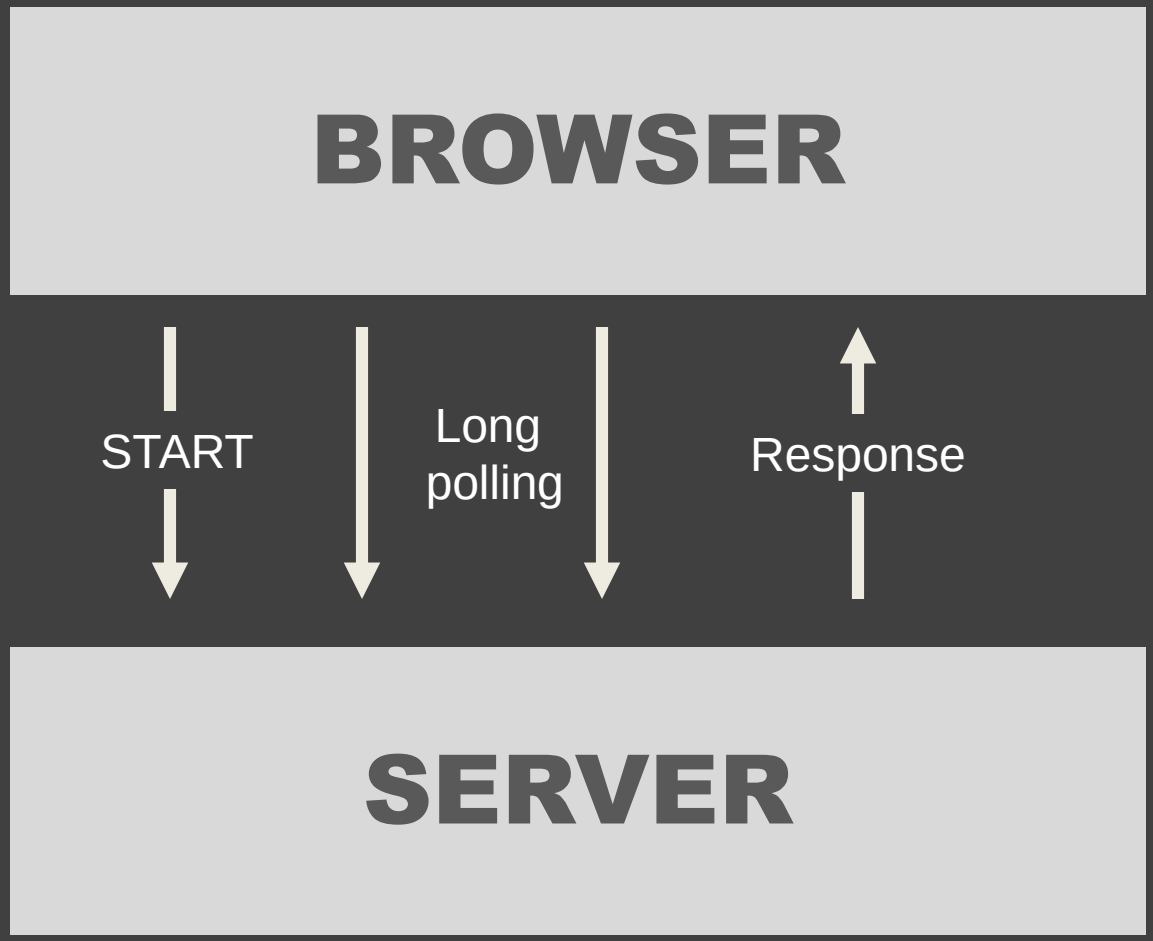
Server-side code pushing content to connected clients


BROWSER
START
Long
polling
Response
SERVER

Possible Underlying Protocols

- **Web Sockets**
- **Server Sent Events (SSE)**
- **Long Polling**
- **Forever Frame**

WebSockets makes it possible to open an interactive communication session between the user's browser and a server.

With this API, you can send messages to a server and receive event-driven responses without having to poll the server for a reply.

Browsers and web servers must both support the protocol

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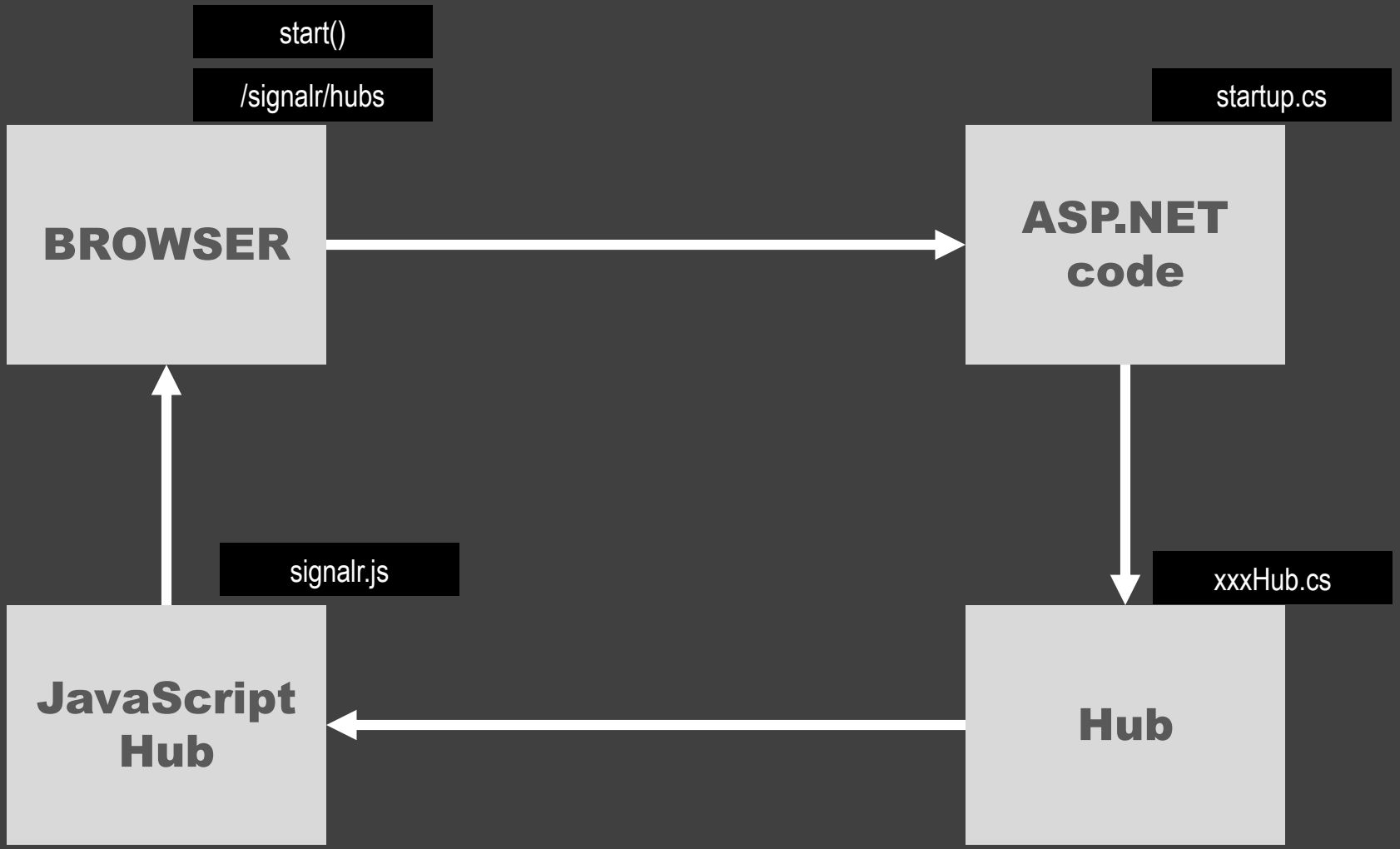
start()
/signalr/hubs
startup.cs
BROWSER
ASP.NET code
signalr.js
xxxHub.cs
JavaScript Hub
Hub

BROADCAST

DIRECT

COUNTING

ASP.NET SignalR is fairly useful in CQRS applications to refresh the screen after a server-side operation.

ASP.NET SignalR is useful to notify views of relevant things that have happened in other pages.

ASP.NET SignalR is useful to monitor the progress of server tasks that proceed asynchronously.

http://www.asp.net/signalr/
overview/getting-started