

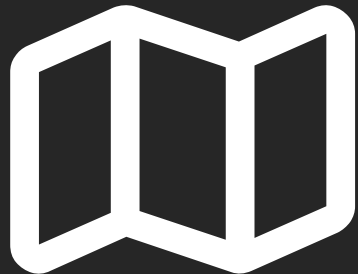
SignalR in ASP.NET Core Projects

By Example

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This Course



SignalR in ASP.NET Core Projects

Configuring SignalR

Using Hubs

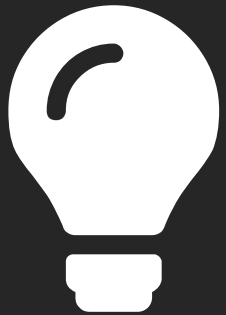
Integrating with the JavaScript API

Strongly Typing Hubs

Working with Groups and Users



What is SignalR?



SignalR

Server-Client Remote Procedure Call (RPC)

Near-Time Communication

Multicast for connection-less clients

Great for dashboards, collaboration, etc.



ASP.NET Core

Hub

Web

Client

.NET

Client

Java

Client



ASP.NET Core

Hub

List of ClientIds

Message

Web

Client

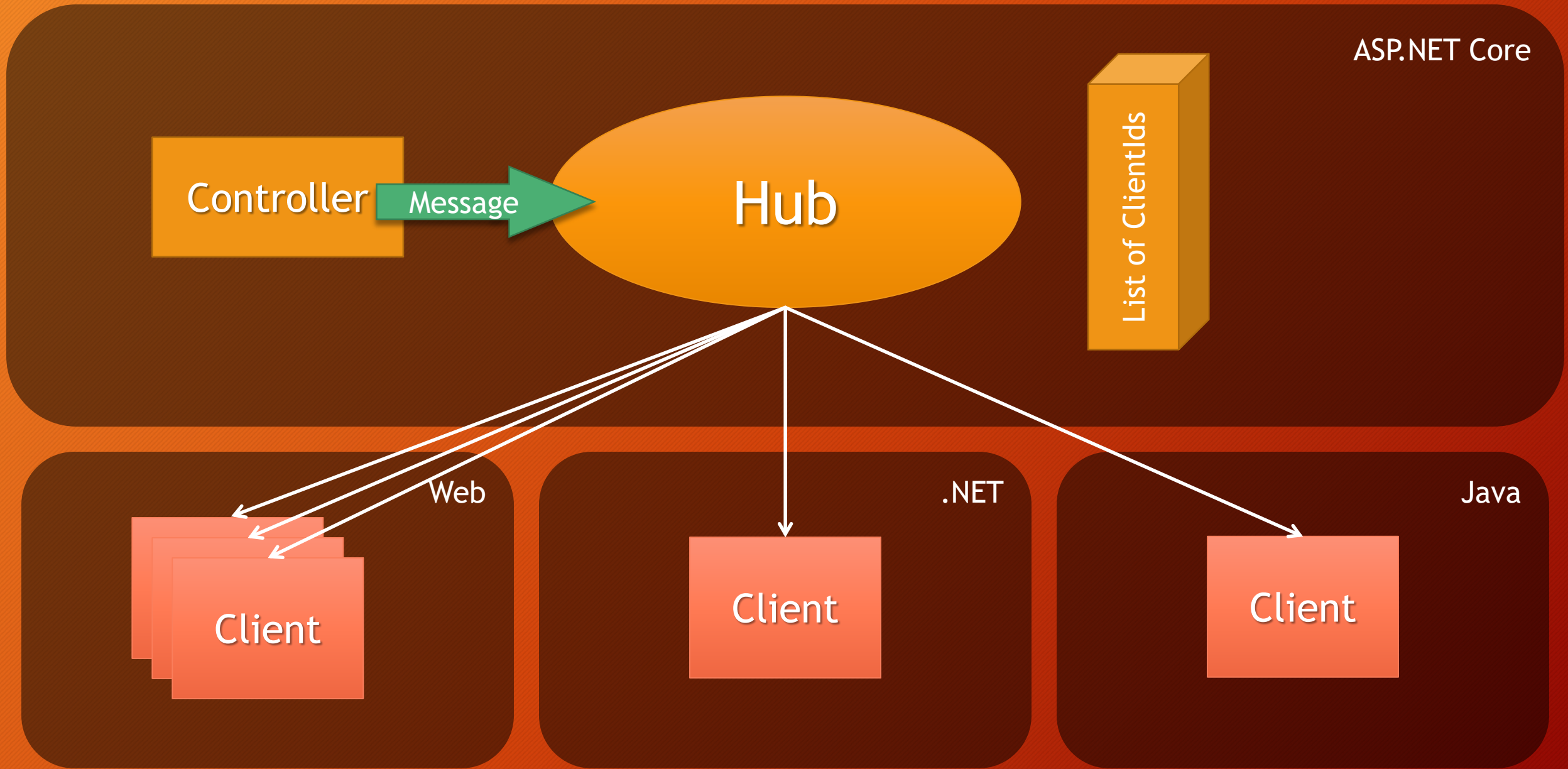
.NET

Client

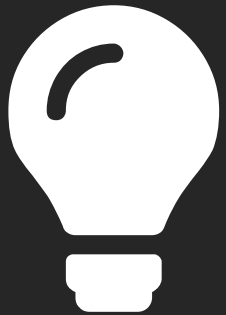
Java

Client





What is SignalR?



Transports

WebSockets

Server-Sent Events (e.g. Comet)

Long Polling



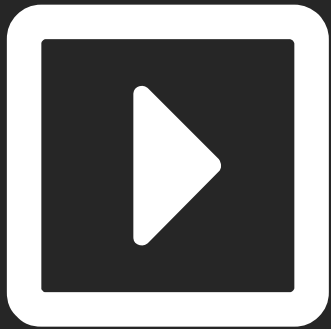
Demo



Getting the Starting Project



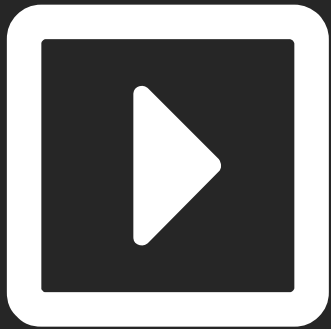
Demo



Creating Your First Hub



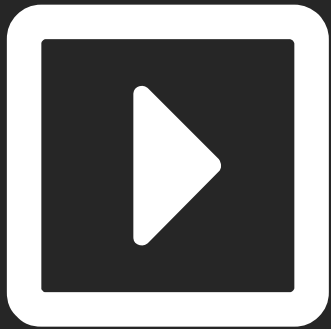
Demo



Sending Messages From the Server



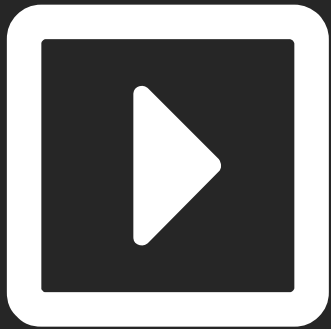
Demo



Adding the Client-side Code



Demo



Strongly Typed Hubs



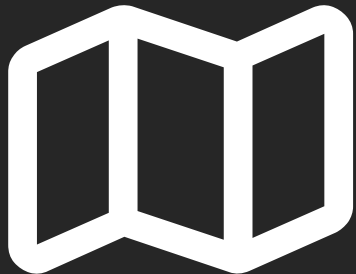
Demo



Using Groups and Users



Summary



SignalR in ASP.NET Core Projects

Build server notifications

Higher level RPC over websockets, et al.

Doesn't replace traditional APIs

Scales out easily

