Microsoft Azure

Azure SignalR Service

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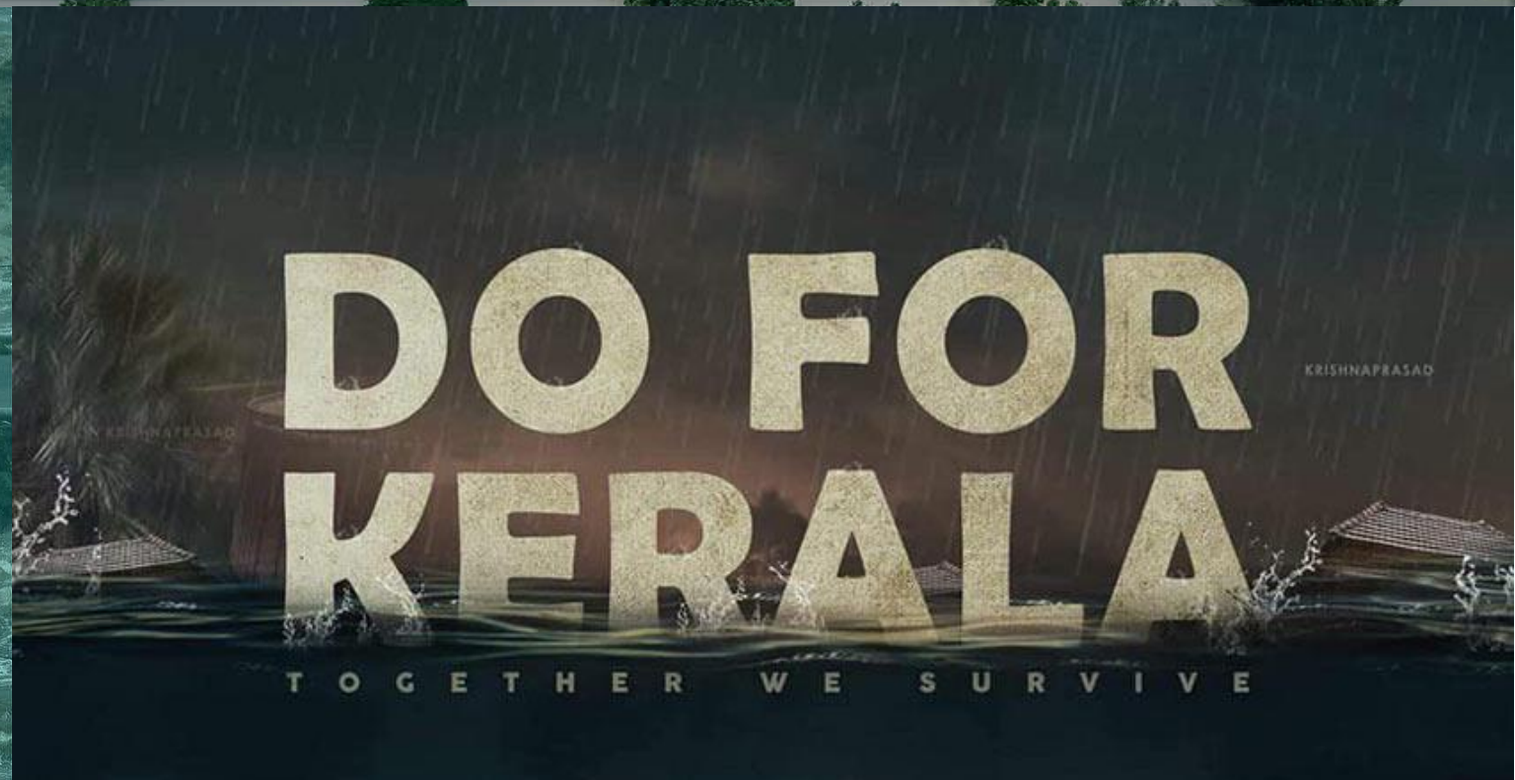
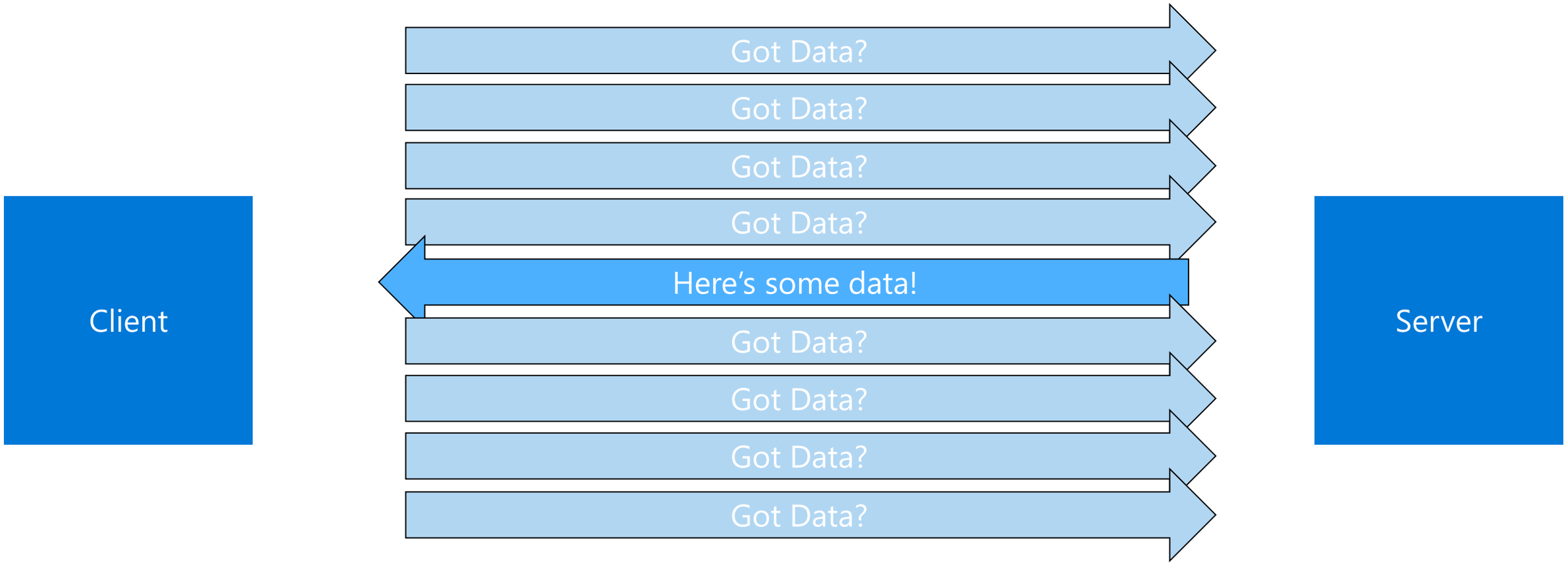
Kerala needs your help
Contribute to flood relief

PRAY FOR KERALA


DO FOR KERALA
KRISHNAPRASAD
TOGETHER WE SURVIVE

Communication Pattern



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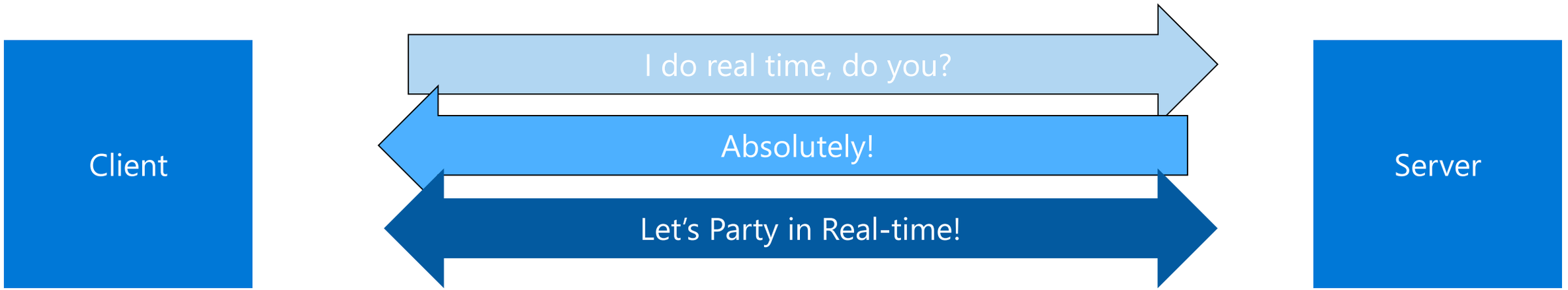
Server Push Pattern



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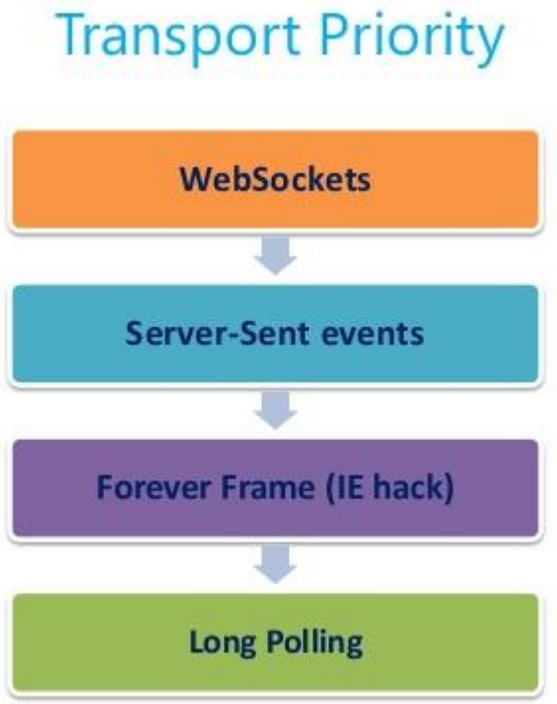
Real Time Communication Transports

HTML 5 Transports

- Web Sockets
- Server Side Events

Comet Transports

- Forever Frame
- Ajax Long Polling



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What is SignalR

Real time web functionality like dashboard, monitoring application, job progress, collaborative tools etc

Supports 4 transports with fallback mechanism

Persistent Connection and Hubs

Connection Management

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ASP.NET SignalR EcoSystem

.NET Framework 4.5+ supports ASP.NET SignalR

.NET Core 2.0+ supports ASP.NET Core SignalR

	ASP.NET SignalR	ASP.NET Core SignalR
Server NuGet Package	Microsoft.AspNet.SignalR	Microsoft.AspNetCore.App (.NET Core) Microsoft.AspNetCore.SignalR (.NET Framework)
Client NuGet Packages	Microsoft.AspNet.SignalR.Client Microsoft.AspNet.SignalR.JS	Microsoft.AspNetCore.SignalR.Client
Client npm Package	signalr	@aspnet/signalr
Server App Type	ASP.NET (System.Web) or OWIN Self-Host	ASP.NET Core
Supported Server Platforms	.NET Framework 4.5 or later	.NET Framework 4.6.1 or later .NET Core 2.1 or later

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Design – Dev – Maintenance Cycle - SignalR

Deployment Strategy

Infrastructure Support

Scale-out Strategy

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Introducing Azure SignalR Service

Fully Managed Service

- Performance
- Scalability
- Availability

Native SignalR Development Support

Flexible Pricing Model

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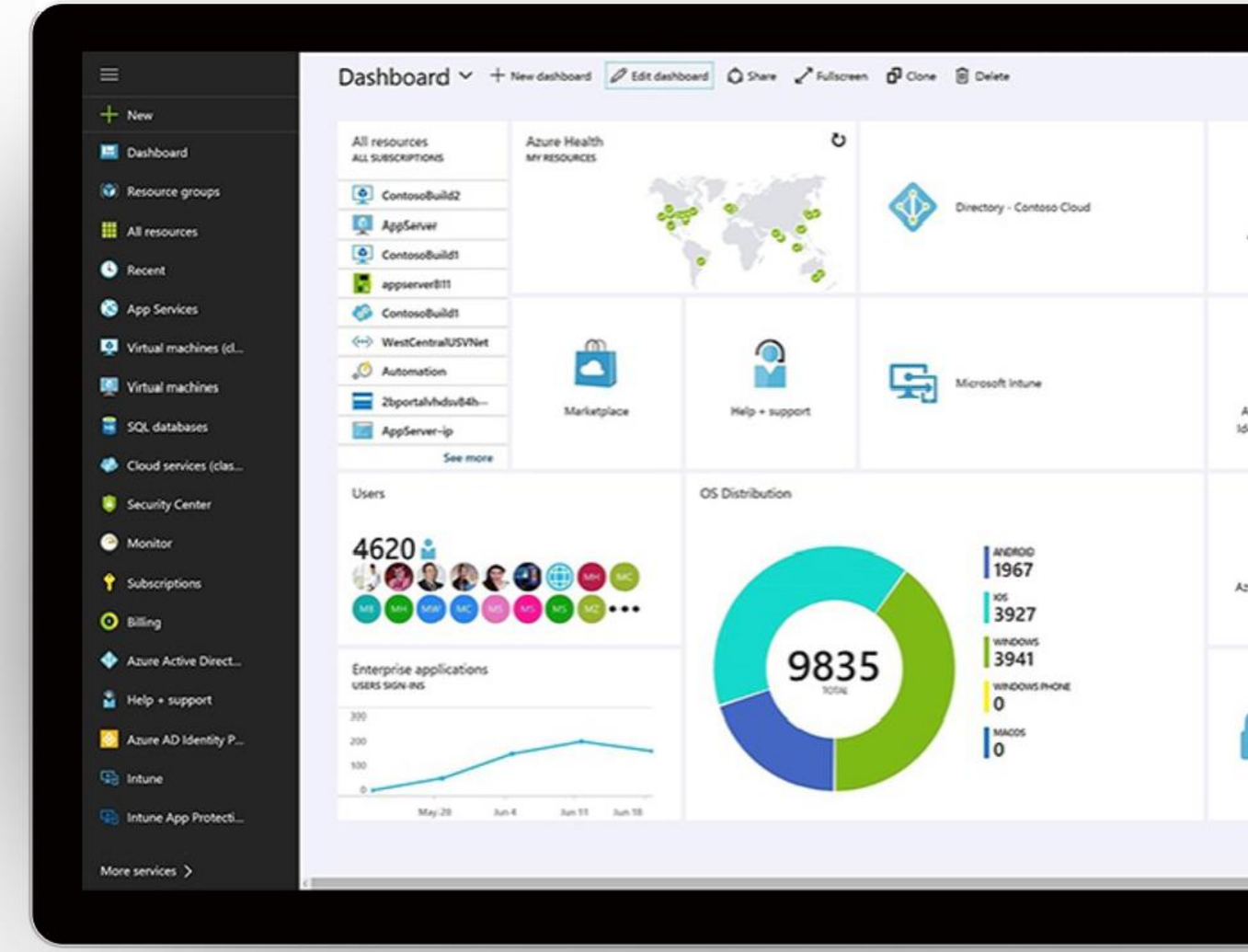
Demo

How Client can call a Hub method?

How Hub can call a Client method?



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