

Developing in JavaScript

With EWD.js

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Agenda

- ▶ Why develop in JavaScript?
- ▶ Choice of architecture
- ▶ EWD.js application framework
- ▶ EWD.js demo
- ▶ Useful links
- ▶ Q & A

Why develop in JavaScript?

- ▶ How will you run your app on all kinds of devices these days?
- ▶ Market shift towards CORE development (Code Once Run Everywhere)
- ▶ HTML5 is changing the game ...
- ▶ JavaScript is a serious alternative
- ▶ Rapidly penetrating the market
- ▶ JavaScript developers wanted!
- ▶ Develop front- & back-end in the same (!) language

Choice of architecture

- ▶ Three-tier: SPA client (browser) – [Node.js](#) server – [Caché](#) database using [EWD.js](#)
- ▶ Choose your JavaScript framework, e.g. [Sencha](#)
- ▶ Node.js: server side (JavaScript), very tightly integrated with Caché (in process!)
- ▶ [EWD.js](#): open source application framework
- ▶ Develop everything in JS and/or reuse your existing/legacy COS code
- ▶ System monitoring & debugging in the browser using standard tools!

EWD.js application framework

- ▶ Developed by Rob Tweed (M/Gateway Developments)
- ▶ Integrates GUI, Node.js, Caché
- ▶ Only using JavaScript: a client script & Node.js modules
- ▶ Manages sessions, secure message handling, tightly coupled channel to back-end server using WebSockets
- ▶ No need to compile your code anymore!
- ▶ Fully open source, customizable & extendable

EWD.js demo

- ▶ Very easy to set up environment
- ▶ Completely integrated with EWD.js inside Sencha Architect
- ▶ Design your app with drag & drop!

Useful links

- ▶ [It's time to learn JavaScript](#)
- ▶ [One developer's journey from C# to JS](#)
- ▶ [Intel's view on cross-platform apps](#)

- ▶ [Building Windows apps with JS](#)
- ▶ [Building OS X apps with JS](#)

- ▶ Some JS platforms: [Sencha](#), [Apache Cordova](#), [WinJS](#), [JavaScript for Automation](#), [AppBuilder](#), [Kony](#), [Appcelerator](#), [Enyo](#), [MoSync](#), ...

Q & A

Any questions?