TypeScript: Modern Application-Scale JavaScript

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Application scale JavaScript development is hard.
TypeScript is a language for application scale JavaScript development.
TypeScript is a typed superset of JavaScript that compiles to plain JavaScript.
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Any browser. Any host. Any OS. Open Source.
Demo

Introduction
TypeScript

Starts with JavaScript
All JavaScript code is TypeScript code, simply copy and paste
All JavaScript libraries work with TypeScript

Optional static types, classes, modules
Enable scalable application development and excellent tooling
Zero cost: Static types completely disappear at run-time

Ends with JavaScript
Compiles to idiomatic JavaScript
Runs in any browser or host, on any OS
Diving In
TypeScript preview

Compiler
Open Source, written in TypeScript

Tooling
Visual Studio language service, browser hosted playground

Libraries
Static typing of DOM, jQuery, node.js, WinRT, WinJS, …

And More
Lots of samples and formal Language Specification
TypeScript so far…

Community response
Over 3500 CodePlex posts, 100 forks, 1100 StackOverflow questions, and 200 feature requests

TypeScript ecosystem
Over 200 *.d.ts library typings developed by library creators and users

TypeScript support in tools
ASP.NET, node.js, compile-in-client, Ruby, grunt, Chutzpah, and more
Application scale JavaScript development is hard.
Application scale JavaScript development is hard.

TypeScript makes it easier.

http://typescriptlang.org
Related Content

Breakout Sessions/Chalk Talks

DEVCT306 – TypeScript (by Anders Hejlsberg)
DEVCT310 – Modern JavaScript (by Luke Hoban)