

TECH READY



TypeScript: Modern Application-Scale JavaScript

Tim Park
Technical Evangelist
Microsoft

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.

TypeScript is a typed superset of JavaScript
that compiles to plain JavaScript.

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

Demo

Working with JavaScript

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)

