

Wrap Up and Summary



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The TypeScript Techniques We Learned for AngularJS

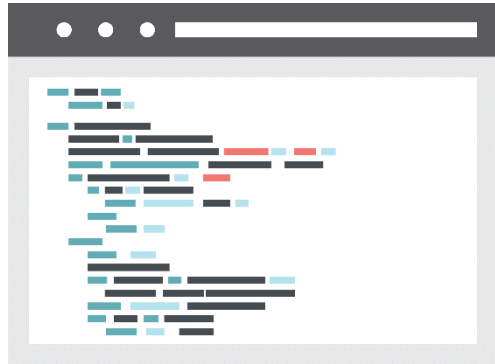
Tooling Support



Use type definitions from Definitely Typed

Web Essentials for VS2013 for compile pane and TSLint support

Starting Code

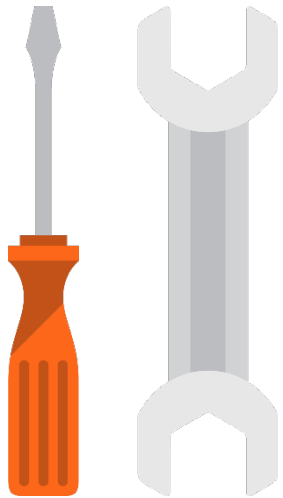


TypeScript lambda syntax for IIFEs

AngularJS interfaces are found off of the **ng** module

Typing all the things takes time upfront...
...but saves time over the long run

AngularJS App Initialization



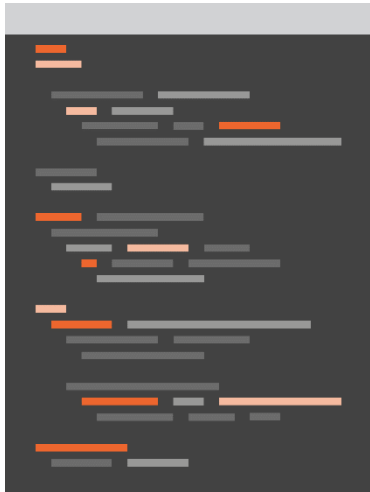
Config functions in TypeScript

Run functions in TypeScript

TypeScript interfaces for values and constants

Decorators in TypeScript

AngularJS Provider Recipes



TypeScript modules for IIFE encapsulation

TypeScript classes for:

Controllers

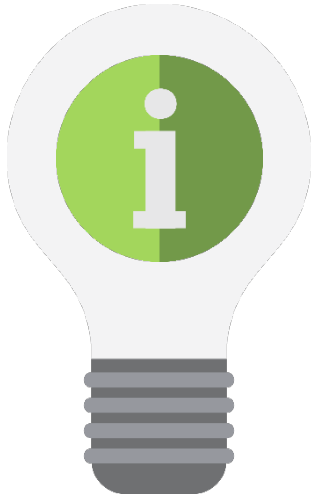
Services

Factories

Providers

Mashup for directives

Big Benefits and Unexpected Gotchas



Using TypeScript interfaces is a big win

TypeScript module usage adds object to global scope and can have naming collisions

Lambda syntax is great for this keyword, except when it isn't

Source maps in browsers are buggy with the this keyword

TypeScript classes to dial in a directive

Is TypeScript Right for Your AngularJS Project?

Analysis of TypeScript Adoption Impact

Pros

- Compile time checking of code
- Accuracy in initial use and refactoring
- Clearly define code intent
- Encapsulation of code

Cons

- More time writing code up front
- Battle with type definitions
- TypeScript module residue
- Module naming collisions
- Still have complexity around the `this` keyword

Available for Adoption

