

Common AngularJS Pieces in TypeScript



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Using TypeScript Classes and Interfaces

AngularJS Pieces to Cover in This Module



Controllers

Services

Providers

Factories

Directives

TypeScript Elements to Use

TypeScript Classes

TypeScript Interfaces

TypeScript Modules

TypeScript for AngularJS Controllers

AngularJS Controller Structure

JavaScript

- Scope structure
- Initialization code
- Functions for scope and internal

TypeScript

- Interface for scope
- Initialization code in structure
- Class functions

TypeScript for AngularJS Services

TypeScript for AngularJS Factories

AngularJS Service

```
angular
  .module('app')
  .service('logger', logger);

function logger() {
  this.logError = function(message) {
  };
}
```

AngularJS Service as Factory

```
angular
  .module('app')
  .factory('logger', logger);

function logger() {
  return {
    logError: function(message) {
    }
  };
}
```

TypeScript for AngularJS Providers

TypeScript for AngularJS Directives

Recap

What We've Learned



TypeScript module blocks for IIFEs and classes

Two approaches to AngularJS controller scope

TypeScript interfaces for bindable members in controllers

AngularJS registration code after TypeScript class definitions

Static \$inject property on classes for dependencies

Export TypeScript interfaces for use across files

Classes need newing up, we need to do that for AngularJS factories

Use definitely typed AngularJS interfaces along with custom ones

Directives use all kinds of TypeScript techniques