

Angular TypeScript Definitions:

<https://github.com/borisyankov/DefinitelyTyped/tree/master/angularjs>

Resources:

Types <https://github.com/borisyankov/DefinitelyTyped>
TypeScript <http://www.typescriptlang.org/>
Angular CDN <https://code.angularjs.org/>

Browser

Window	ng.IWindowService
Browser	ng.IBrowserService // undocumented
Document	ng.IDocumentService
\$timeout	ng.ITimeoutService
\$interval	ng.IIntervalService
\$location	ng.ILocationService

Modules

Angular global object	ng.IAngularStatic
Provider	ng.IServiceProvider
Module	ng.IModule

Example: Define a Module

```
// <reference path="../../typings/angularjs/angular.d.ts"/>
module MyModule {
    "use strict";
    angular.module("myModule", ["ngRoute"]);

    export var getModule: () => ng.IModule = () => {
        return angular.module("myModule");
    }
}
```

Controllers

\$controller	ng.IControllerService
Form Controller	ng.IFormController
Model Controller	ng.INgModelController
\$rootScope	ng.IRootScopeService

Example: Define a Controller

```
// <reference path="../../typings/angularjs/angular.d.ts"/>
module MyModule {
    "use strict";

    var app = getModule();

    class MainController {

        private isAlive: boolean = false;
        private lastCheck: Date = new Date();

        constructor(private $interval: ng.IIntervalService) {
            var intervalFn = () => {
                this.isAlive = result;
                this.lastCheck = new Date();
            };

            $interval(intervalFn, 1000);
            intervalFn();
        }

        public static $inject: string[] = ["$interval"];
    }

    app.controller("mainCtrl", MainController);
}
```

Directives

Directive Factory	ng.IDirectiveFactory
Directive	ng.IDirective

Example: Define a Directive (using a factory)

```
class MyDirective implements ng.IDirective {
  public restrict: string = "A";
  public require: string = "ngModel";
  public scope = {
    state: '='
  };

  constructor(private $location: ng.ILocationService) {
  }

  public link: ng.IDirectiveLinkFn = (scope: ng.IScope, element:
ng.IAugmentedJQuery, attrs: ng.IAttributes, ngModel: any) => {
    // do stuff here
  }
}

var app = getModule();
app.directive("myDirective", ["$location",
($location: ng.ILocationService) => new MyDirective($location)]);
```

Routes (angular-route.d.ts)

Route Service	ng.route.IRouteService
Route	ng.route.IRoute
Route Parameters	ng.route.IRouteParamsService

Example: Define a Route

```
app.config([
  "$routeProvider", ($routeProvider: angular.route.IRouteProvider) => {
    $routeProvider.when("/My/View/:id", {
      templateUrl: "/My/View",
      controller: "myViewCtrl",
      controllerAs: "ctrl"
    });
  }
]);
```

Filters

\$filter	ng.IFilterService
Custom Filter	ng.IFilterProvider

Misc.

Logging	ng.ILogService
Exception Handling	ng.IExceptionHandlerService
Promise Service	ng.IQService
Promise	ng.IPromise<T>
\$http	ng.IHttpService
Injector	ng.auto.IInjectorService
\$provide	ng.auto.IProvideService