AngularJS Directives

The link() Function

The link() Function

Building a TableHelper Directive

Requiring ngModel

Using $parse and $eval

Building a Google Maps Directive

Using $compile and $interpolate

Is link() Always Appropriate?

The link() Function

Directive Categories

DOM-Driven Directives

All about DOM Manipulation

Behavior-Driven Directives

All about handling DOM Events

Data-Driven Directives

All about data, using other directives and a controller

The Link Function

```
angular.module('moduleName')
    .directive('myDirective', function () {
    return {
        restrict: 'EA',
        scope: {},
        template: '<div>{{ myVal }}</div>',
        controller: controller,
        link: function (scope, element, attrs) { }
    }
});
```

Link Function Parameters

```
(function () {
    var linkDemo = function () {
        return {

            link: function (scope, element, attrs) { }


        }
    };

    angular.module('moduleName')
      .directive('linkDemo', linkDemo);
}());
```

Isolate or Shared Scope

Attributes on element

Element directive is on

DOM Manipulation with jqLite

jqLite is a tiny, API-compatible subset of jQuery that allows Angular to manipulate the DOM.

https://docs.angularjs.org/api/ng/function/angular.element

Key jqLite Functions

angular.element()

addClass()/css()

attr()

on()/off()

find()

append()/remove()

html()/text()

ready()

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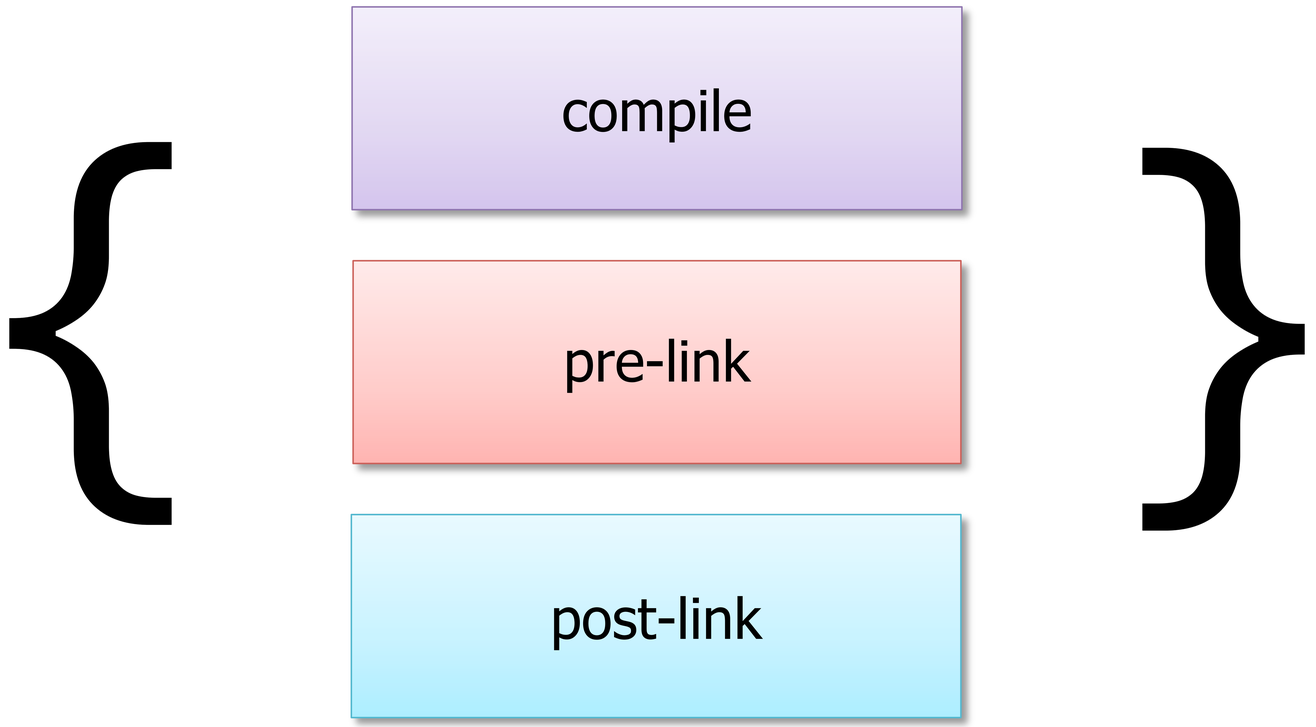
The compile() function

- Directives can have a compile function defined
- The compile function returns an object literal



Is link() Always Appropriate?

Summary

Summary

- The link() function can be used to access an element, attributes, the scope, and more
- Angular provides a subset of jQuery called jqLite
- Directives rely on the $compile service behind the scenes which provides pre and post link functions
- Additional services and functions such as $parse, $interpolate, and $eval can be useful in directives

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