AngularJS Directives

Using Controllers

Using a Controller in a Directive

Replacing Link() with a Controller

Using controllerAs

Adding a Controller to TableHelper

Passing Parameters Out of a Directive

Understanding Transclusion

Using a Controller in a Directive

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

Adding a Controller to a Directive

```
angular.module('directivesModule')
  .directive('withController', function () {
        return {
            restrict: 'EA',
            scope: {},
            controller: function ($scope) {},
            template: '<div></div>'
        };
    });
```

Additional DDO Properties

```
angular.module('directivesModule')
  .directive('withController', function () {
        return {
            restrict: 'EA',
            scope: {},
            controller: function () {},
            controllerAs: 'vm',
            bindToController: true,
            template: '<div></div>'
        };
    });
```

Replacing Link() with a Controller

Using controllerAs

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Passing Parameters out of a Directive

Understanding Transclusion

Transclusion

Inclusion of a document or part of a document into another document by reference

http://en.wikipedia.org/wiki/Transclusion

Transclusion is Similar to Includes

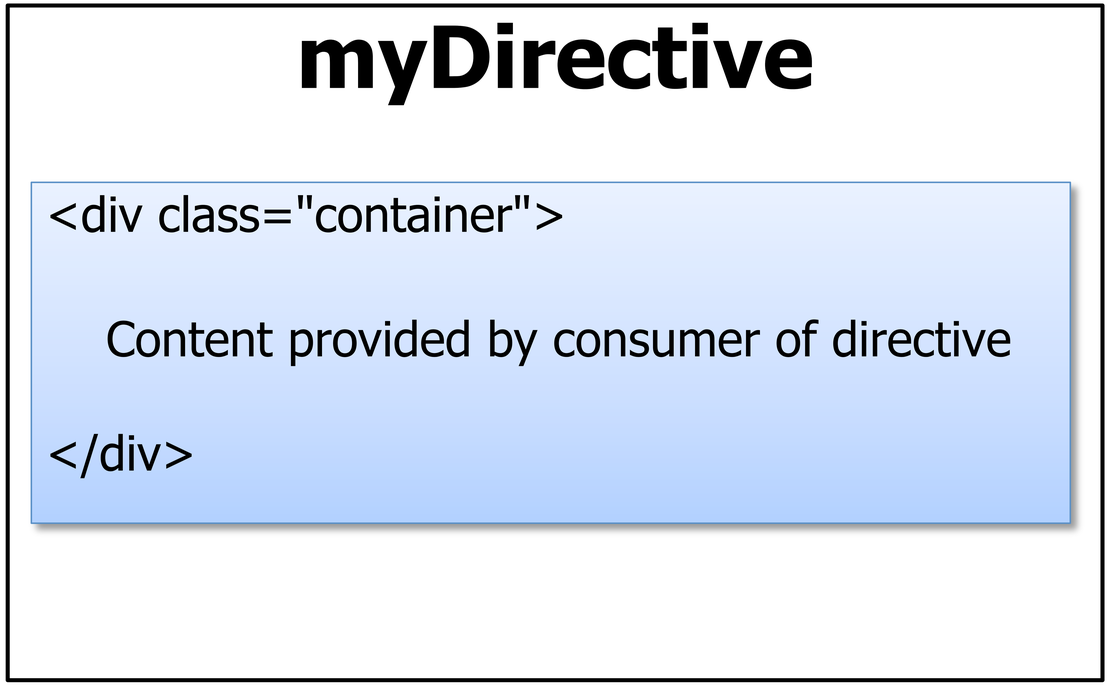
```
<div>
    Hello!
</div>
```

```
<html>
  <body>



  </body>
</html>
```

Transclusion and Directives



Using Transclusion

```
<html>
  <body>

    <div class="container">
        <div>
            Hello
        </div>
    </div>

  </body>
</html>
```

myDirective

```
<div class="container" ng-transclude>

    Content provided by
    consumer of directive

</div>
```

Summary

Summary

- By using a controller in a directive you can simplify the code in many cases
- The controllerAs syntax can be used in directives
- Transclusion allows content to be included in a directive

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