



Routing



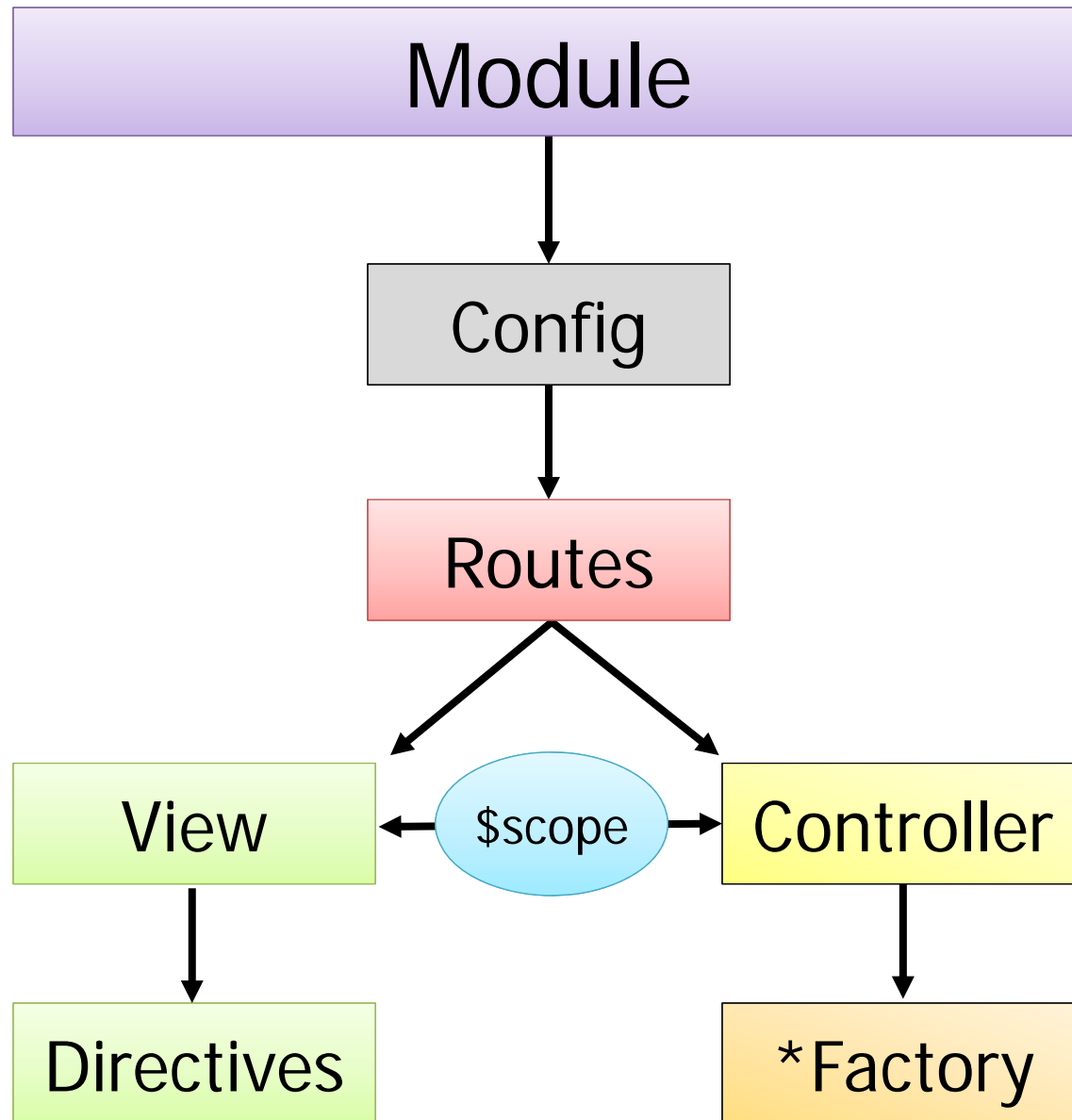
Routing Overview

Referencing the `ngRoute` Module

Configuring Routes

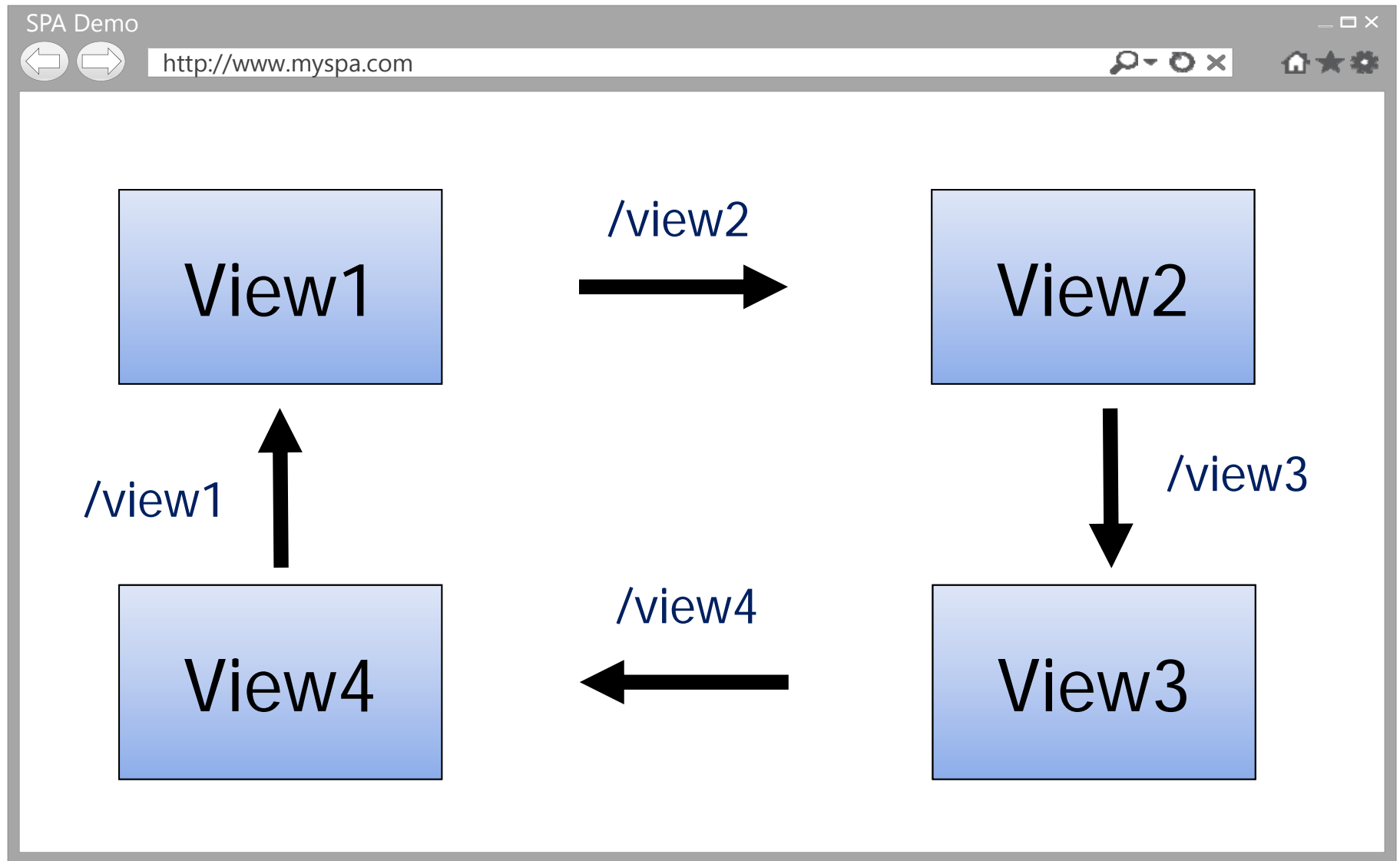
Using the `ng-view` Directive

The Big Picture



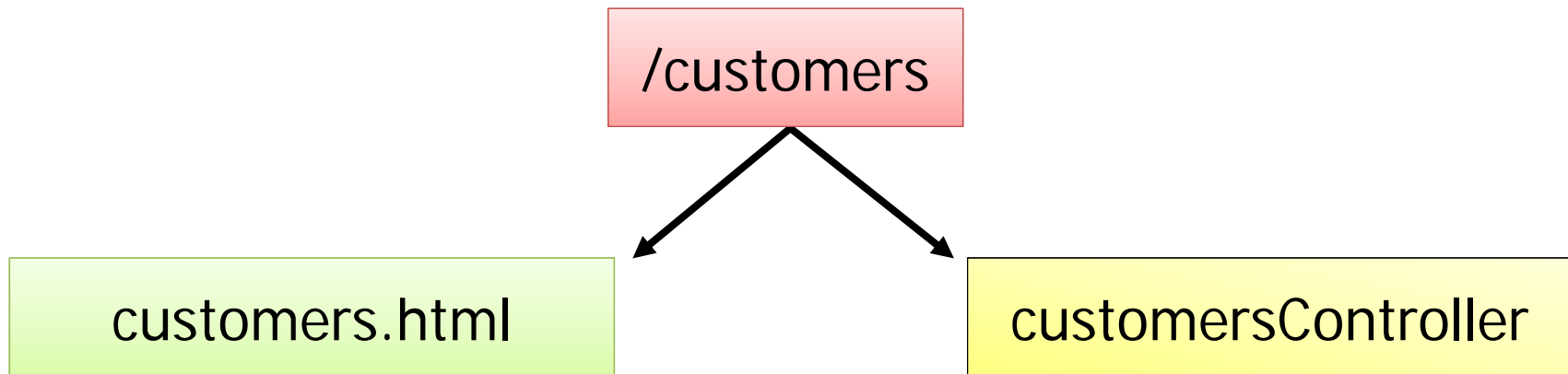
Routing Overview

The Role of Routes



Routing Overview

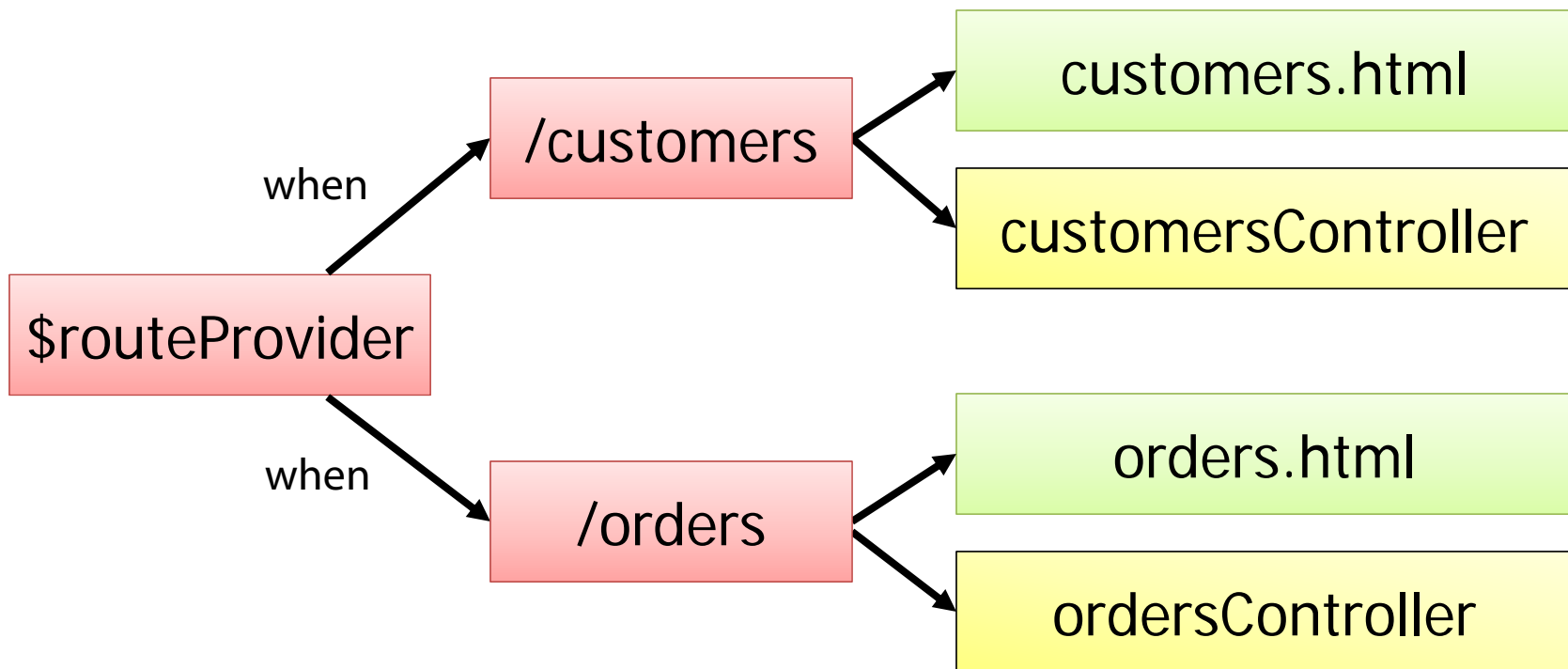
- **AngularJS routes associate a view with a controller**



- **Relies on ngRoute module (separate script)**
- **Routes configured using `$routeProvider`**

Routing and Modules

- Routes configured by calling `angular.module.config()`
- `$routeProvider` injected dynamically



Referencing the ngRoute Module

The ngRoute Module

- AngularJS routing functionality is located in the ngRoute module
- Add a <script> that loads angular-route.js
- Reference ngRoute in your module:

```
var demoApp = angular.module('demoApp', ['ngRoute']);
```

Configuring Routes

Using \$routeProvider to Configure Routes

```
var app = angular.module('customersApp', ['ngRoute']);
```



\$routeProvider
injected dynamically

```
app.config(function ($routeProvider) {  
    //Routes go here  
});
```

Defining Routes using angular.config()


```
var app = angular.module('customersApp', ['ngRoute']);

app.config(function ($routeProvider) {
    $routeProvider
        .when('/',
            {
                controller: 'CustomersController',
                templateUrl: '/app/views/customers.html'
            })
        .when('/orders',
            {
                controller: 'OrdersController',
                templateUrl: '/app/views/orders.html'
            })
        .otherwise({ redirectTo: '/' });
});
```

Route Parameters

- Route parameters can be defined using the `:` character

```
app.config(function ($routeProvider) {  
    $routeProvider  
        .when('/editCustomer/:customerId',  
            {  
                controller: 'CustomerEditController',  
                templateUrl: '/app/views/customerEdit.html'  
            })  
});
```



Example Route: /editCustomer/254

Accessing Route Parameters in a Controller

- Route parameters can be accessed through the `$routeParams` provider:

```
var app = angular.module('customersApp');
```

```
app.controller('CustomerEditController',  
  function($scope, $routeParams) {
```

```
    $scope.customerId = $routeParams.customerId;
```

```
  });
```

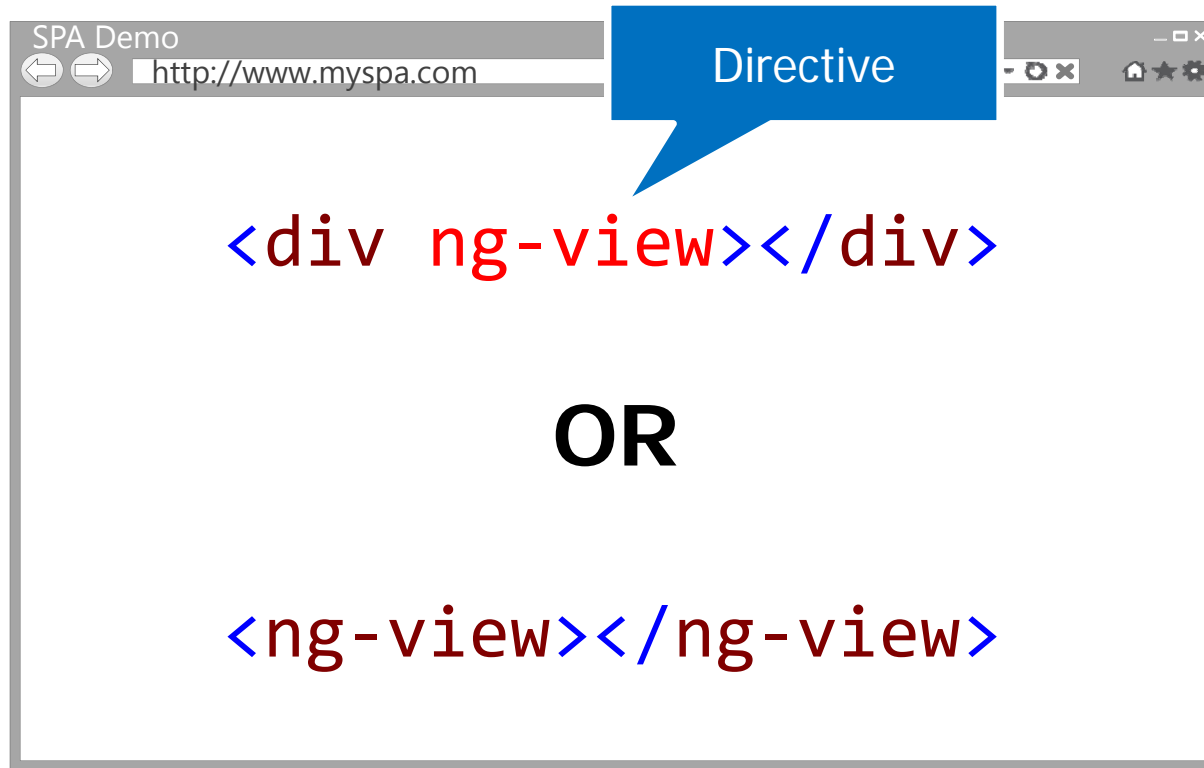


Access Route
parameter

Using the ng-view Directive

Using the ng-view Directive

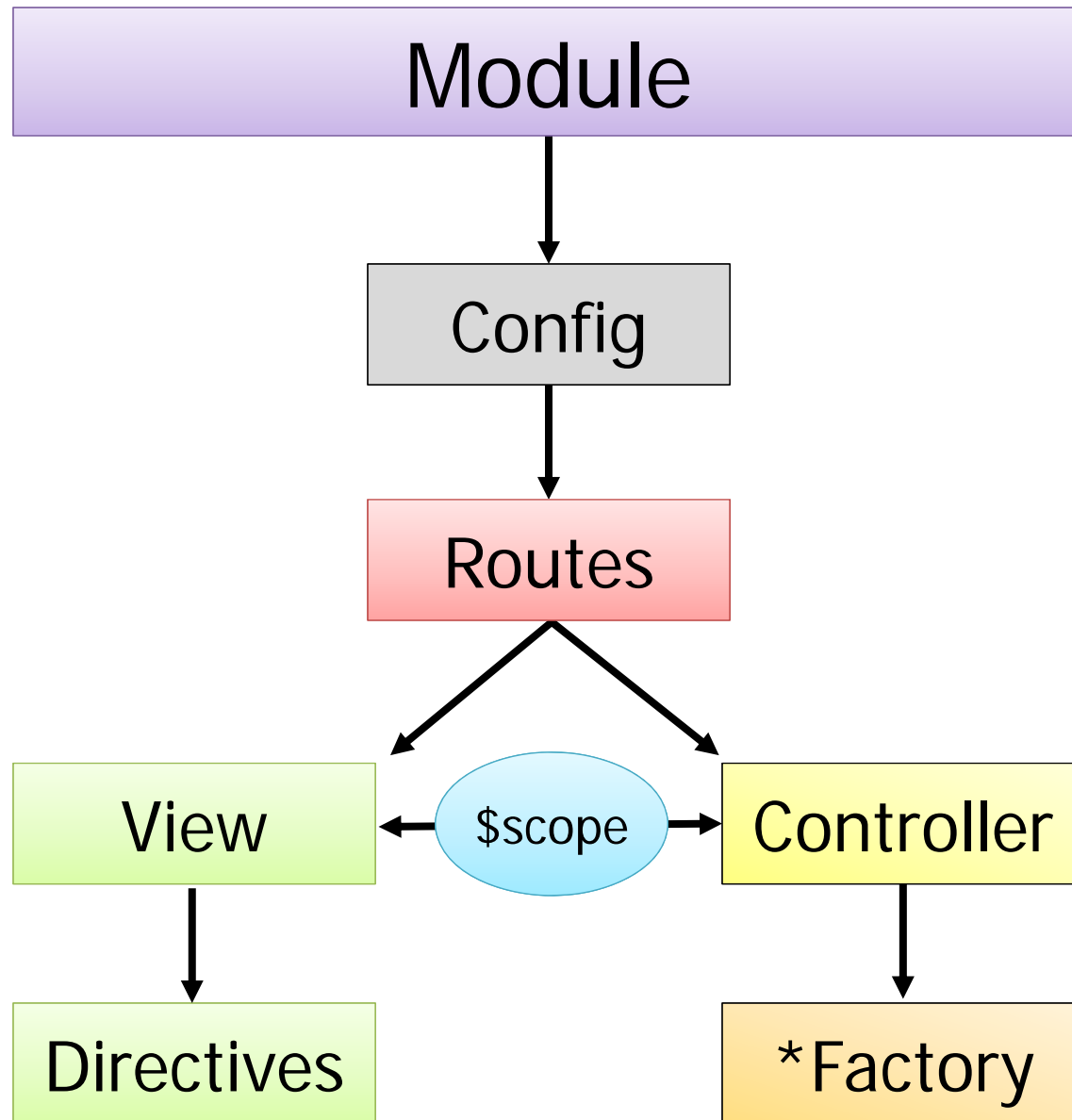
Dynamically loaded views are injected into the shell page as a module loads:



View1

Summary

The Big Picture



Summary

- **AngularJS provides built-in support for routing and history management**
- **Routes associate a view with a controller**
- **Reference the ngRoute module**
- **\$routeProvider injected into angular.module.config()**