

Angular Routers

By: Mosh Hamedani

Enabling Routing

1- Add **<base>** in index.html:

```
<head>  
  <base href="/">  
</head>
```

2- Add a reference to the router script in **index.html**:

```
<script src="node_modules/angular2/bundles/router.dev.js"/>
```

3- Add router providers when bootstrapping the application (so Angular can do the required dependency injection behind the scene):

In **boot.ts**

```
import {ROUTER_PROVIDERS} from 'angular2/router'
```

```
bootstrap(AppComponent, [ROUTER_PROVIDERS]);
```

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Configuring Routes

```
@RouteConfig([
  { path: '/', name: 'Home', component: HomeComponent },
  { path: '/albums', name: 'Albums', component: AlbumsComponent},
  { path: '/albums/:id', name: 'AlbumDetails', component: ... },
  { path: '/*other', name: 'Other', redirectTo: ['Home'] }
])
export class AppComponent {}
```

Using Router Outlet

```
import {ROUTER_DIRECTIVES} from 'angular2/router';

@Component({
  template: `
    <router-outlet></router-outlet>
  `,
  directives: [ROUTER_DIRECTIVES]
})
export class AppComponent {
}
```

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Adding Links

Make sure you've added ROUTER_DIRECTIVES in the component metadata.

```
<a [routerLink]="['AlbumDetail', { id: 1 }]">View</a>
```

Getting Route Parameters

```
import {RouteParams} from 'angular2/router';
```

```
export class AppComponent {  
  constructor(routeParams: RouteParams) {  
    var id = routeParams.get("id");  
  }  
}
```

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Imperative Navigation

```
import {Router} from 'angular2/router';

export class AppComponent {
  constructor(private _router: Router) {

  }

  onClick() {
    this._router.navigate(['Albums']);
  }
}
```

Router Lifecycle Hooks

```
import {CanActivate, CanDeactivate} from 'angular2/router';

export class ContactFormComponent implements CanDeactivate {
  routerCanDeactivate(next, previous) {
    if (this.form.dirty)
      return confirm('Are you sure?');
  }
}
```

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Child Routing Components

```
@RouteConfig([
  {
    path: '/events/...',
    name: 'Events',
    component: EventsComponent
  }
])
export class AppComponent {}
```

```
@RouteConfig([
  {
    path: '/',
    name: 'EventsList',
    component: EventsListComponent
  },
  {
    path: '/:id',
    name: 'EventDetails',
    component: EventsDetailsComponent
  }
])
export class EventsComponent {}
```