

APPMOB - Mapbox

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Haute Ecole d'Ingénierie et de Gestion
du Canton de Vaud

Mapbox: Customizable Maps



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Can I use Mapbox with AngularJS?

<http://imgtfy.com/?q=mapbox+angularjs>

Angular Leaflet Directive

A directive has already been made for you:

<https://github.com/tombatossals/angular-leaflet-directive/>

<http://tombatossals.github.io/angular-leaflet-directive/>

Using Bower

```
$> bower search angular-leaflet-directive
angular-leaflet-directive git://github.com/tombatossals/angular-leaflet-directive
angular-leaflet git://github.com/tombatossals/angular-leaflet-directive.git
ws-angular-leaflet-directive git://github.com/ws-anashkin/angular-leaflet-directive.git
angular-leaflet-directive-ext git://github.com/Asymmetrik/angular-leaflet-directive-ext.git
angular-leaflet-directive-ws git://github.com/ws-anashkin/angular-leaflet-directive.git
angular-leaflet-directive-temp git://github.com/TheCodeDestroyer/angular-leaflet-directive.git
angular-leaflet-directive-websailors git://github.com/ws-anashkin/angular-leaflet-directive.git
wavel-leaflet-directive git://github.com/Arnooo/angular-leaflet-directive.git
```

```
$> bower install --save angular-leaflet-directive
```

```
angular-leaflet-directive#0.7.11 www/lib/angular-leaflet-directive
├─ angular#1.3.6
├─ font-awesome#4.2.0
└─ leaflet#0.7.3
```

```
font-awesome#4.2.0 www/lib/font-awesome
```

```
leaflet#0.7.3 www/lib/leaflet
```

Include the Javascript files

Add the required files to index.html:

```
<html>
  <head>
    ...

    <!-- add the stylesheets here -->
    <link href="lib/leaflet/dist/leaflet.css" rel="stylesheet">

    ...

    <!-- ionic/angularjs js -->
    <script src="lib/ionic/js/ionic.bundle.js"></script>
    <script src="lib/a0-angular-storage/dist/angular-storage.js"></script>

    <!-- add the javascripts here (AFTER the ionic library) -->
    <script src="lib/leaflet/dist/leaflet-src.js"></script>
    <script src="lib/angular-leaflet-directive/dist/angular-leaflet-directive.js"></script>
  </head>
  <body>
    ...
  </body>
</html>
```

Mapbox Configuration

You will need:

- a map ID
- a public access token

Mapbox Configuration

You should add them to your configuration files:

In:

- config/development.json
- config/production.json

```
{  
  "apiUrl": "http://api.example.com",  
  "mapboxMapId": "...",  
  "mapboxAccessToken": "...",  
}
```

In constants.js (root directory of the app):

```
angular.module("citizen-engagement.constants", [])  
  .constant("apiUrl", "@apiUrl@")  
  .constant("mapboxMapId", "@mapboxMapId@")  
  .constant("mapboxAccessToken", "@mapboxAccessToken@")  
  ;
```

Don't forget to re-run **gulp config-development** or **gulp config-production** to apply the new configuration.

Add the AngularJS module

Add the new dependency to your application module:

```
angular.module("citizen-engagement", ["...", "leaflet-directive"])
```

Add the required data to your controller:

```
myApp.controller("MapController", function(mapboxMapId, mapboxAccessToken) {  
    var mapboxTileLayer = "http://api.tiles.mapbox.com/v4/" + mapboxMapId;  
    mapboxTileLayer = mapboxTileLayer +("/{z}/{x}/{y}.png?access_token=" + mapboxAccessToken;  
  
    $scope.mapDefaults = {  
        tileLayer: mapboxTileLayer  
    };  
  
    $scope.mapCenter = {  
        lat: 51.48,  
        lng: 0,  
        zoom: 14  
    };  
  
    $scope.mapMarkers = [];  
});
```

Add the directive to your template:

```
<leaflet defaults="mapDefaults" center="mapCenter" markers="mapMarkers" data-tap-disabled="true"></leaflet>
```

Beware of The Bug

If you copy-paste examples from the angular-leaflet-directive project, don't forget to add the **data-tap-disabled="true"** attribute.

```
<leaflet defaults="mapDefaults" center="mapCenter" markers="mapMarkers" data-tap-disabled="true"></leaflet>
```

<http://ionicframework.com/docs/api/page/tap/>

<http://forum.ionicframework.com/t/click-on-a-marker-of-leafletmap-not-working/4378/>