# APPMOB - Mapbox

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



## Mapbox: Customizable Maps

# heig-vd Haute Ecole d'Ingénierie et de Gestion du Canton de Vaud



# Can I use Mapbox with AngularJS?



http://lmgtfy.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#0.10.0 www/lib/angular-leaflet-directive

— angular#1.4.3

─ leaflet#0.7.7

leaflet#0.7.7 www/lib/leaflet

#### Include the Javascript files



#### Add the required files to index.html:

### Mapbox Configuration

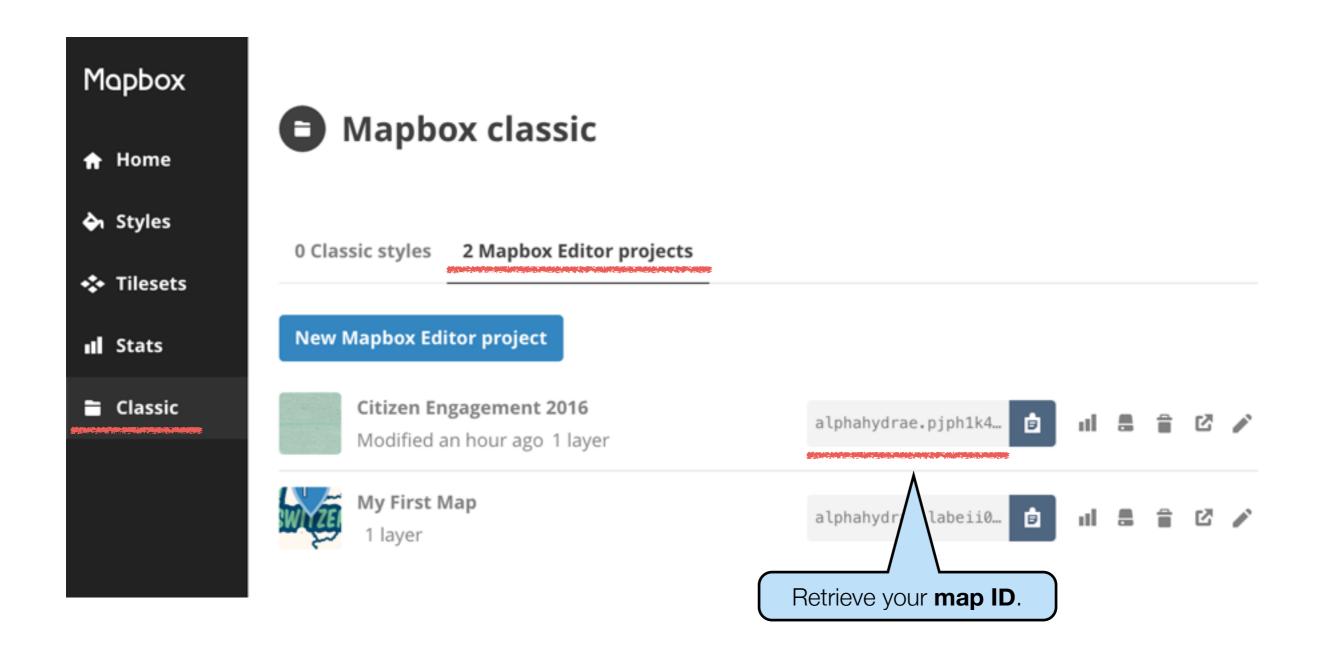


#### You will need:

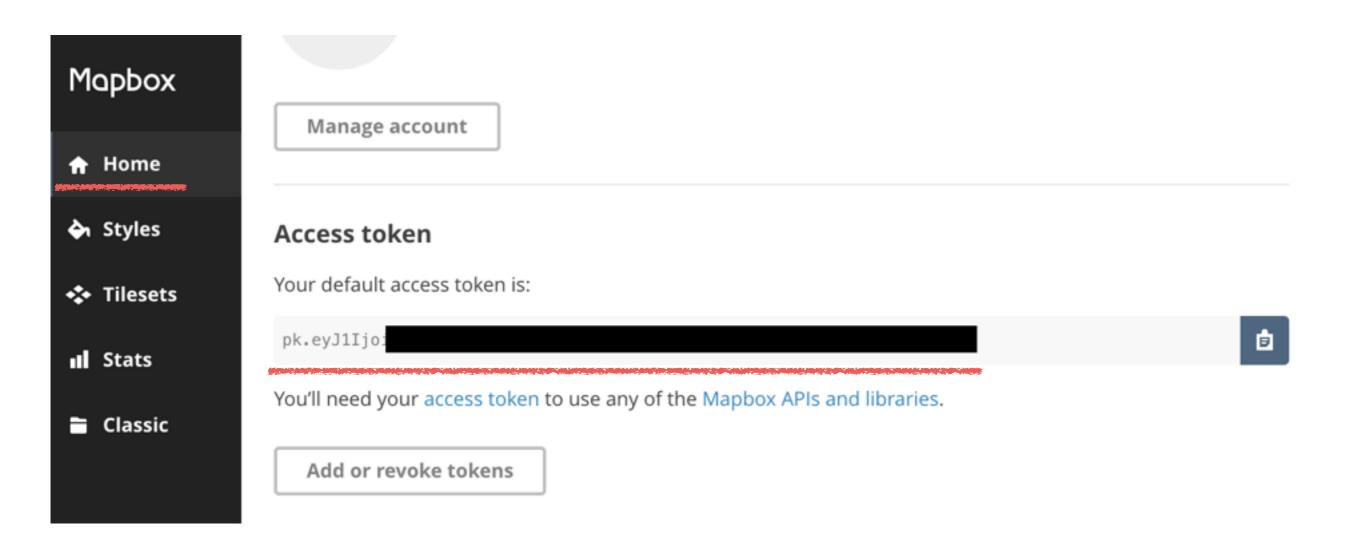
- a map ID
- a public access token

### Create a Mapbox editor project





#### Retrieve your access token



### Mapbox Configuration



#### You should add them to your configuration files:

```
In:

config/development.json
config/production.json

angular.module("citizen-engagement.constants", [])
constants.js (root directory of the app):

constant("apiUrl", "@apiUrl@")
constant("mapboxAccessToken", "@mapboxAccessToken@")

constant("mapboxAccessToken", "@mapboxAccessToken@")

pipe(replace(/@apiUrl@/, config.apiUrl))
pipe(replace(/@mapboxAccessToken@/, config.mapboxAccessToken))

pipe(replace(/@mapboxAccessToken@/, config.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:

```
.controller("MapController", function($scope, 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:

# Mapbox: Adding a Marker



# Simply add it to the **mapMarkers** \$scope variable. The directive will automatically be updated.

```
.controller("MapController", function(IssueService, mapboxMapId, mapboxAccessToken) {
    // ...
    $scope.mapMarkers = [];
    var issue = IssueService.getIssue();

    $scope.mapMarkers.push({
        lat: issue.lat,
        lng: issue.lng,
        message: "{{ issue.description }}<imp src="{{ issue.imageUrl }}" width="200px" />",
        getMessageScope: function() {
        var scope = $scope.$new();
        scope.issue = issue;
        return scope;
    }
    });
});
```

#### **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/