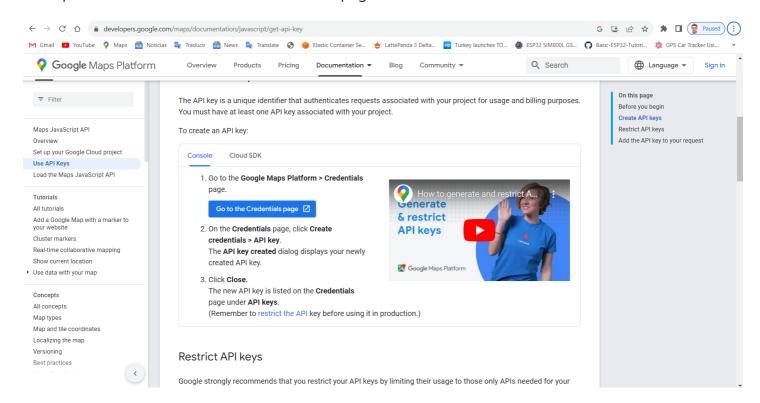
## Angular with GoogleMaps integration.

https://github.com/luiscoco/AngularWithGooglemaps\_Sample1-SimpleMap

#### How to create the Google Maps API Key credentials

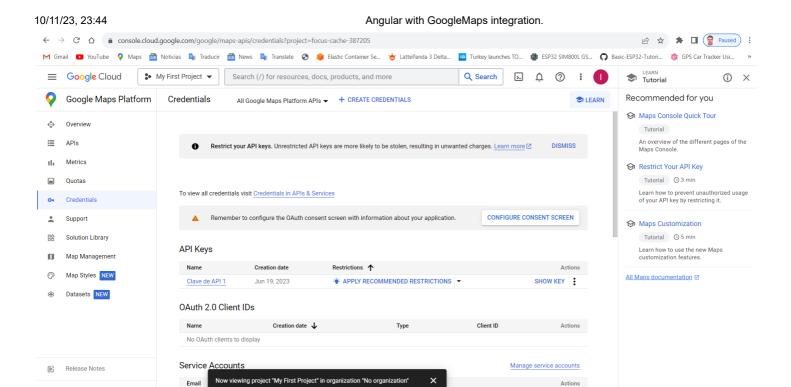
Navigate to this link: https://developers.google.com/maps/documentation/javascript/get-api-key

Then press the button "Go to the credentials page":

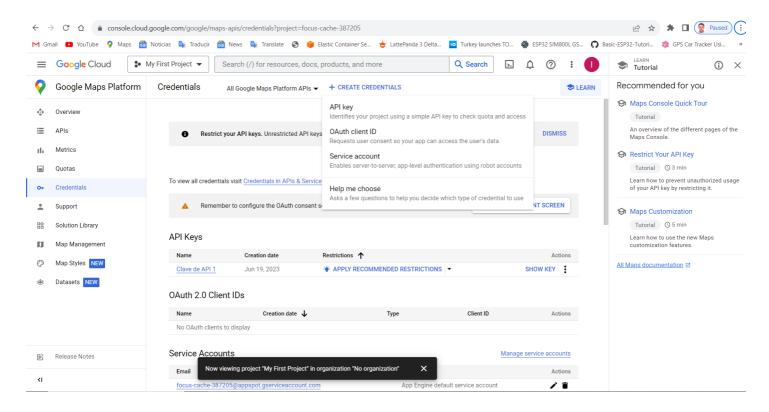


Then go to the "Credentials" option in this web page and create a new API Key:

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#### Select this option "CREATE CREDENTIALS" -> "API KEY"



## Google Maps JavaScript/TypeScript API

#### https://developers.google.com/maps/documentation/javascript/overview

Here's an Angular application that integrates the provided TypeScript code to show a simple Google Maps:

1.Create a new Angular blank application.

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```
ng new googlemaps_simplemap
```

2.Install the required dependencies:

```
npm install @types/googlemaps
```

3. Navigate inside the project folder

```
cd project-folder
```

and create a new Angular component. Let's call it MapComponent:

```
ng generate component Map
```

4. Open the generated map.component.ts file and replace the content with the following code:

```
import { Component, OnInit } from '@angular/core';
declare const google: any;
@Component({
  selector: 'app-map',
 template: `
    <div id="map" style="width: 100%; height: 400px;"></div>
  styles: [`
    #map {
      height: 100%;
 `]
export class MapComponent implements OnInit {
  ngOnInit() {
    this.initMap();
  }
  async initMap(): Promise<void> {
    const map = new google.maps.Map(document.getElementById("map"), {
      center: { lat: -34.397, lng: 150.644 },
      zoom: 8,
    });
  }
}
```

5. Open the app.module.ts file and import the MapComponent:

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```
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';

import { AppComponent } from './app.component';

import { MapComponent } from './map/map.component';

@NgModule({
    declarations: [
        AppComponent,
        MapComponent
    ],
    imports: [
        BrowserModule
    ],
    providers: [],
    bootstrap: [AppComponent]
})

export class AppModule { }
```

6.Open the app.component.html file and add the <app-map> </app-map> tag:

```
<h1>My Angular App</h1>
<app-map></app-map>
```

7.Open the tsconfig.app.json file in the root directory of your Angular project. Add "node\_modules/@types" to the "types" array. Your tsconfig.app.json file should look like this:

```
"extends": "./tsconfig.json",
  "compilerOptions": {
    "outDir": "./out-tsc/app",
    "types": [
      "node",
      "googlemaps"
    ]
  },
  "files": [
    "src/main.ts",
    "src/polyfills.ts"
 ],
  "include": [
    "src/**/*.d.ts"
  ]
}
```

8.In the root directory of your Angular project, open the angular json file. Inside the "build" target, ensure that the "options" property has a "polyfills" property with the value set to "src/polyfills.ts". It

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should look like this:

```
"options": {
   "polyfills": "src/polyfills.ts",
   ...
},
```

9. Now, create a new file called polyfills.ts in the src folder of your project. Add the following content to the polyfills.ts file:

```
import 'zone.js/dist/zone'; // Included by default in Angular CLI projects
```

10.Confirm that you have added the Google Maps API script correctly in the index.html file. It should be placed just before the closing tag, like this:

```
<script src="https://maps.googleapis.com/maps/api/js?key=YOUR_API_KEY&libraries=places"></scri</pre>
```

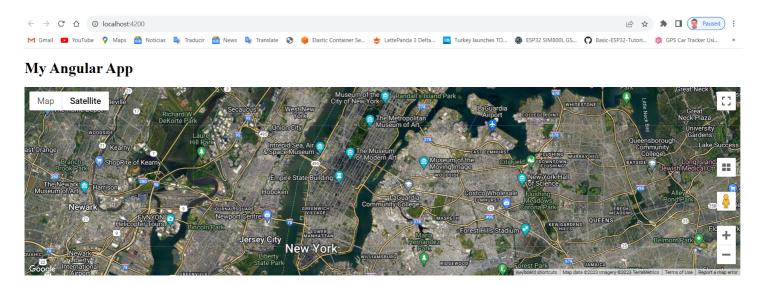
**→** 

# VERY IMPORTANT! Do not forget to set the "Google Maps API KEY" in the above line.

11. Start the application with the command:

```
ng serve -o
```

### This is the application output



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