

Business Directory Ionic 1.0 Documentation

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Quick start Guide - Installation and user support

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Table of contents:

[Preparing your local environment \(first-time preparations\)](#)

[NodeJS](#)

[Sass](#)

[Git](#)

[Cordova and Ionic](#)

[Run for the first time](#)

[Download and extract](#)

[Install libraries](#)

[Run/Build the application \(after the first-time preparations\)](#)

[Run a local development server](#)

[Run in the emulator](#)

[Build the app](#)

[Configuration](#)

[Data Sources Creation](#)

[Firebase](#)

[Create a Firebase app](#)

[Create/Add data](#)

[Set database permissions](#)

[Set Firebase data provider](#)

[Backendless](#)

[Create a new app](#)

[Create data](#)

[Set Backendless data provider](#)

[JSON Data sources](#)

[Businesses](#)

[Common](#)

[News, Products, Services and Catalogs](#)

[Set HTTP data provider](#)

[Wordpress](#)

[JSON API plugin](#)

[Drupal](#)

[Services and JSON View](#)

[Support](#)

[References / Links:](#)

[Thank you](#)

Preparing your local environment (first-time preparations)

NodeJS

Firstly, ensure that [NodeJS](#) is installed in your computer. If NodeJS is not installed, please install version **6.x**.

Sass

In order to install Sass on Linux, Windows or Mac follow the [given instructions](#).

Git

[GIT](#) should be installed in your computer. Follow the instructions for your platform to install it:
<https://www.atlassian.com/git/tutorials/install-git>

Cordova and Ionic

This is a [Cordova](#) and [Ionic](#) based application, so [Cordova](#) and [Ionic](#) should be installed on your computer for this application to run. Since this app targets iPhone and Android mobile devices, your environment should be properly configured and the corresponding SDK should be installed. If not, you will be still able to run the application into a Browser.

Please check the “[Get Started with Cordova](#)” and “[Getting Started with Ionic](#)” sections in the official Cordova and Ionic websites respectively.

Run for the first time

In the screen captures that follow, we will demonstrate the process of preparing your environment and running the project for the first time.

Download and extract

Download the provided .zip file and extract it, you will see something similar to what is shown in the next screen:



The highlighted folder is the Ionic 1 project directory.

Install libraries

Open a terminal window and navigate to `project` directory and install the NodeJS dependencies:

```
$ npm install
```

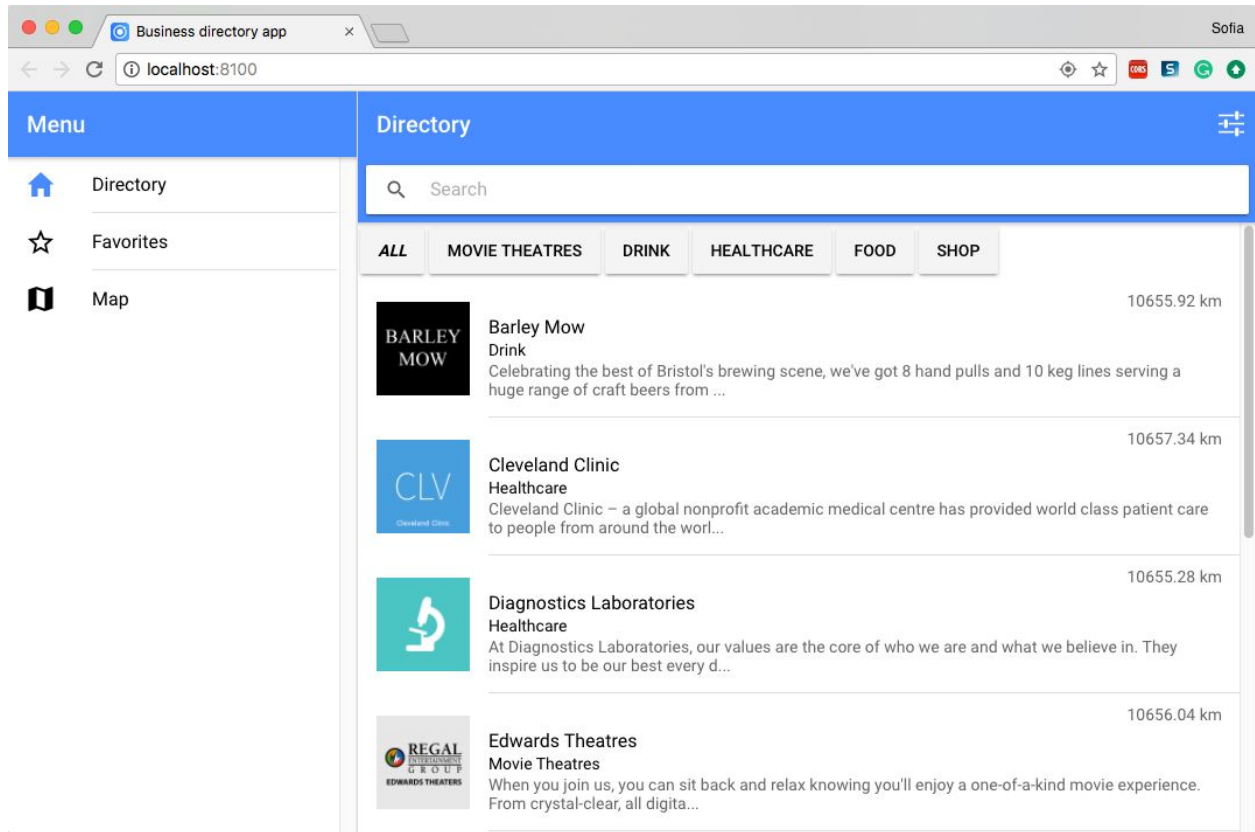
Run/Build the application (after the first-time preparations)

Run a local development server

Navigate to `project` folder and run the application in the browser:

```
$ ionic serve
```

A browser window will open and the app will run.



Run in the emulator

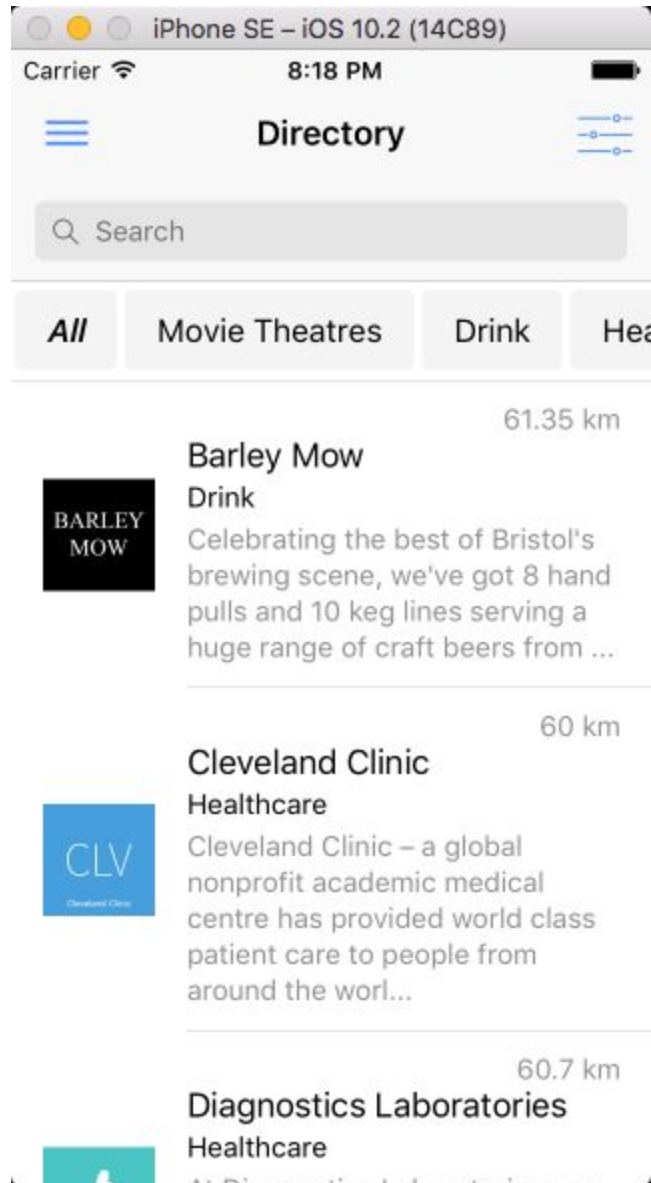
Firstly, the preferred platform should be added. To add the iOS platform run:

```
$ cordova platform add ios
```

Now the application is ready to start inside a simulator:

```
$ cordova emulate ios
```

The iPhone simulator will launch and the Business Directory Ionic app will start.



Similarly, to add the Android platform run:

```
$ cordova platform add android
```

To run the app inside an Android emulator:

```
$ cordova emulate android
```

Build the app

In order to build the iOS platform, run the command:

```
$ cordova build ios
```

Similarly, to build the Android platform, run the command:

```
$ cordova build android
```

Configuration

All the configuration of Business Directory app is done through the creation of the JSON files which include information about businesses, their news, products, catalogs, services and many more.

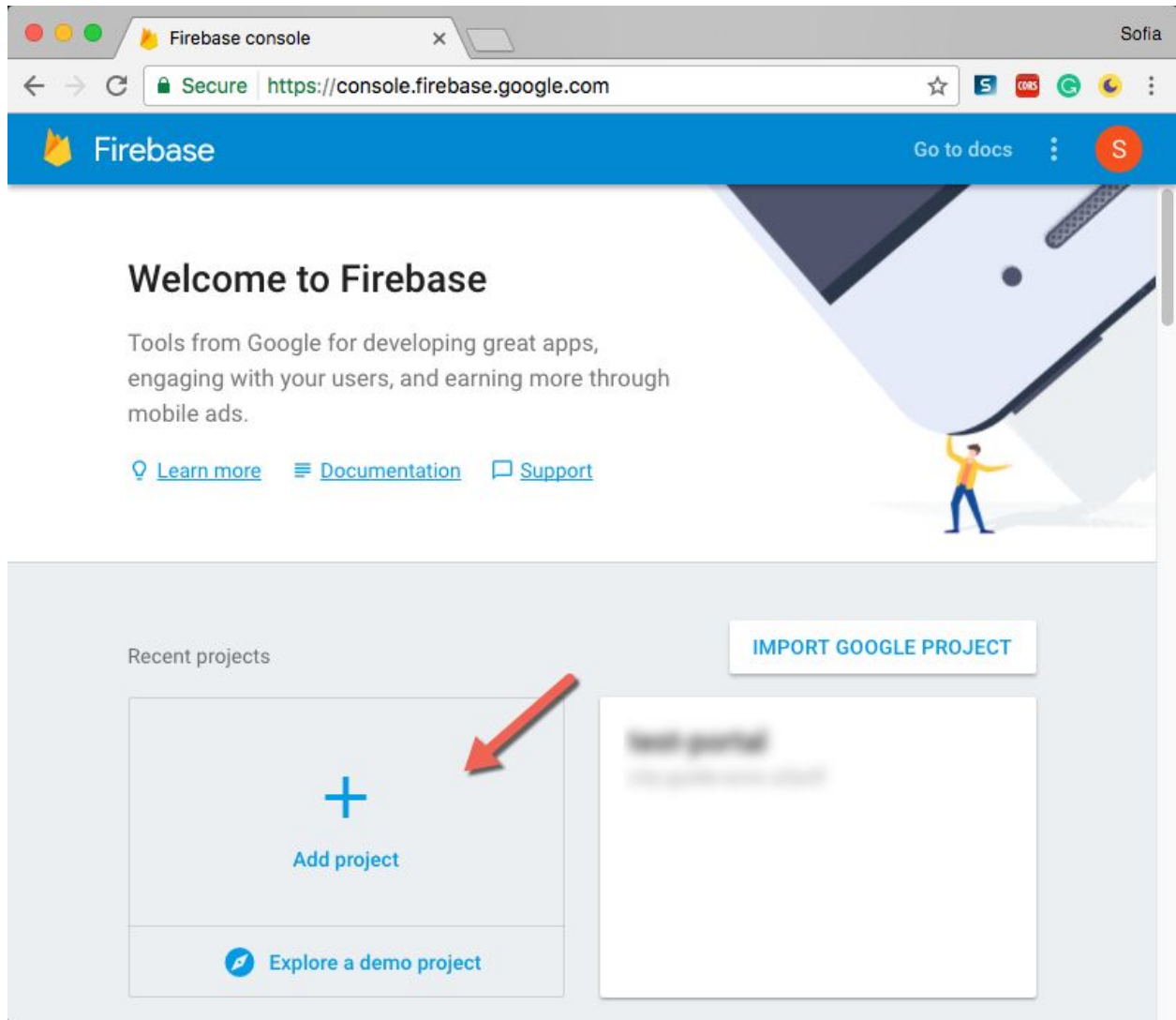
Data Sources Creation

Firestore

This app uses Firestore as a backend to read the data content it needs. In this section, you will find all the steps required for the app setup in order to be connected with Firestore.

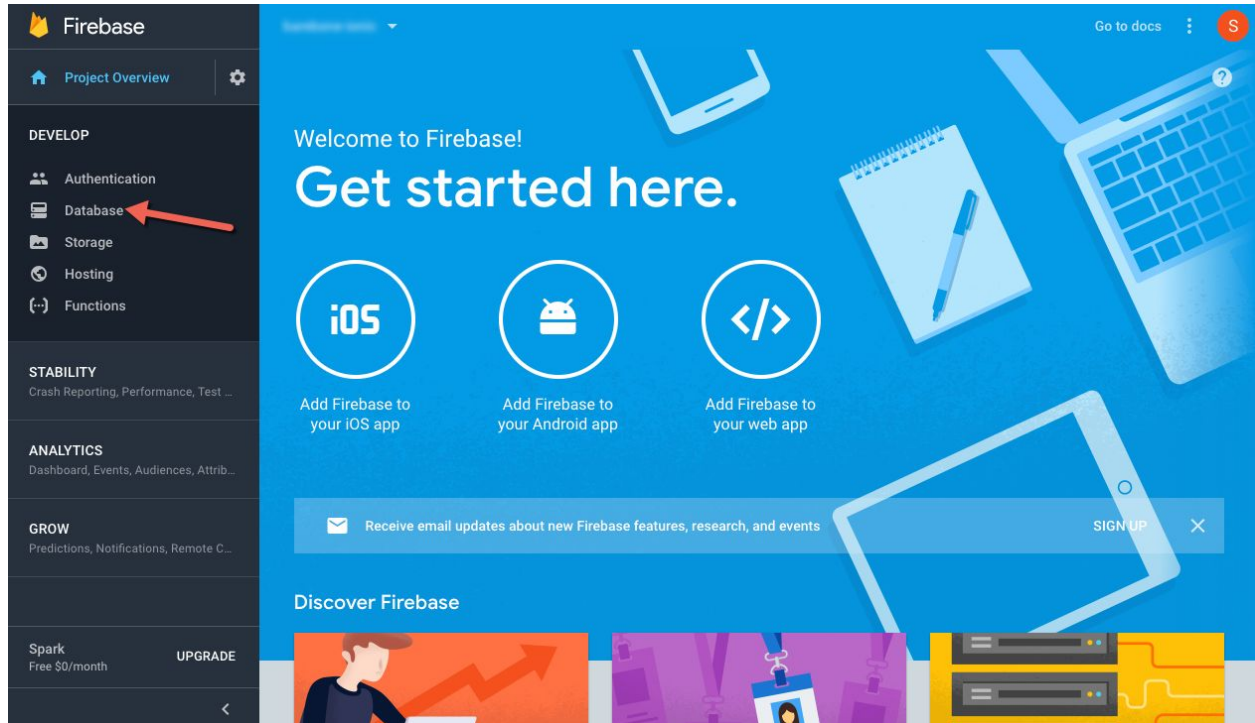
Create a Firestore app

Firstly, visit <https://console.firebase.google.com/>, create a free Firestore account and add a new project there.

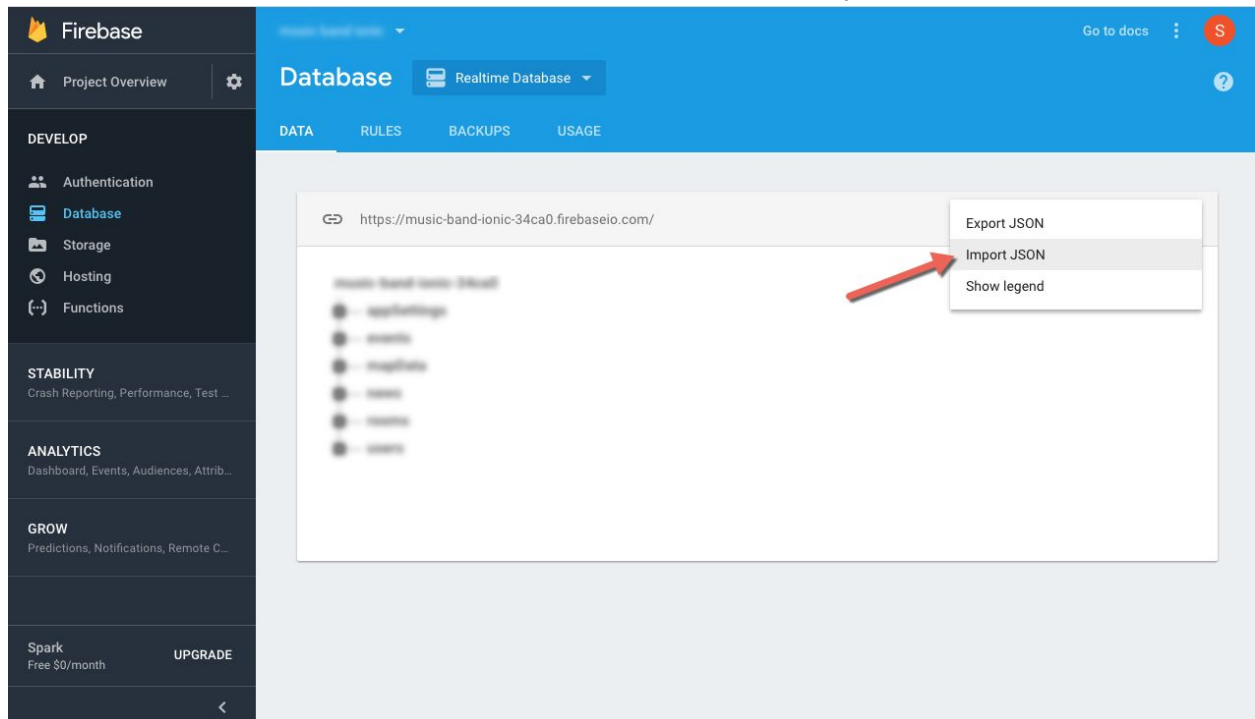


Create/Add data

Manage the project's data by clicking on the app and selecting "Database" from the side menu.



Then, choose the “Import JSON” option from the menu to import your data.

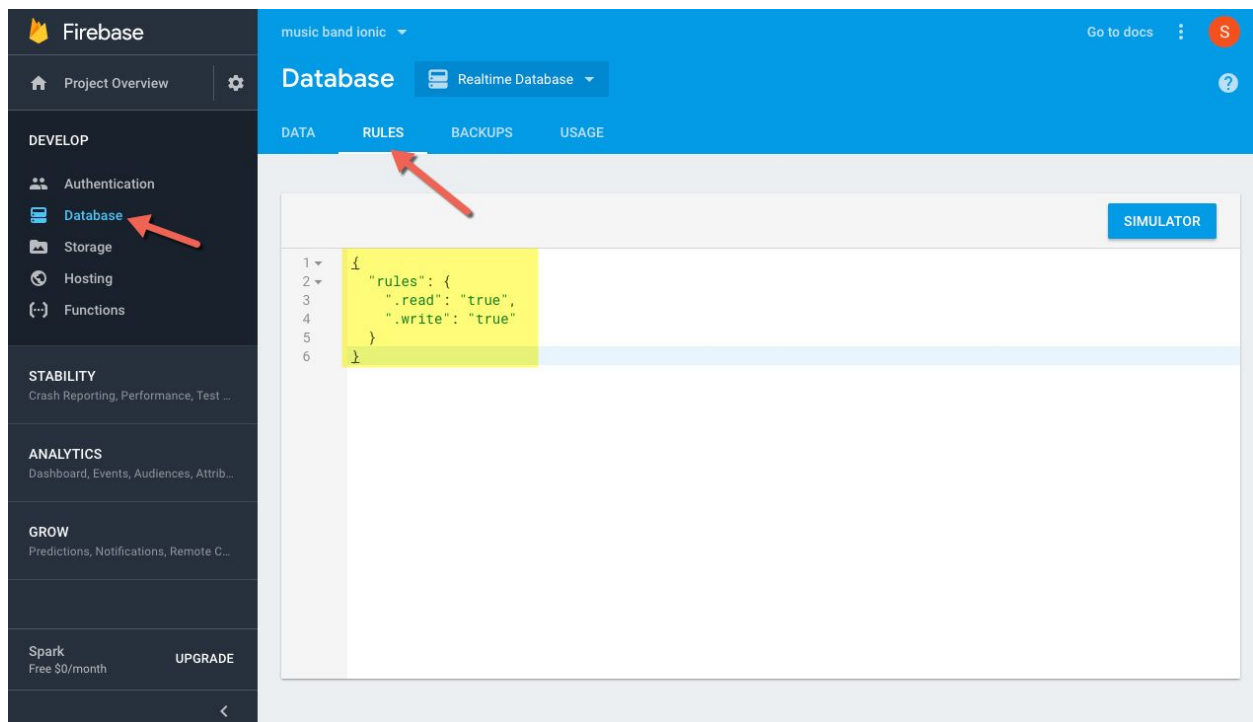


There is a sample JSON file under the `misc/_firebase/` path which can be imported to the Firebase project created in the previous step. This file indicates the appropriate data structure for this app.

Set database permissions

In order to allow the app to read all the data you have created in the database, you should set the permissions by navigating to the “Rules” tab and pasting the following rules:

```
{
  "rules": {
    ".read": "true",
    ".write": "true"
  }
}
```



Set Firebase data provider

In the source code of the mobile app, you should set the “DATA_PROVIDER” variable as “FIREBASE” and define “firebaseConfig” in `src/config.ts` file as shown:

```
config.ts x
4 export const mapApiKey = 'AIzaSyAICFcc8EqgpMaytQEuPkcYAFaCFQXNfRo';
5
6 export const firebaseConfig = {
7   apiKey: 'AIzaSyAPinktmcHhcL88Rzm0p98W0cJ30LmEhqA',
8   authDomain: 'business-directory-frb3.firebaseio.com',
9   databaseURL: 'https://business-directory-frb3.firebaseio.com',
10  projectId: 'business-directory-frb3',
11  storageBucket: 'business-directory-frb3.appspot.com',
12  messagingSenderId: '393441420615'
13 };
14
15 export const backendlessConfig = {
16   appId: '23A8662E-FEFD-1784-FF25-94058263E100',
17   appKey: '77C08DC8-2C95-D7E5-FF8D-0B0DF1D92700'
18 };
19
20 export const DATA_PROVIDER: 'HTTP' | 'FIREBASE' | 'BACKENDLESS' = 'FIREBASE';
21
22 export const sender_id = '211377410430';
```

Backendless

You can opt for using Backendless as a backend to store the data of your mobile app. In this section, you will find all the steps required for the app setup in order to be configured and connected with Backendless. For more information about Backendless, visit <https://backendless.com/>.

Create a new app

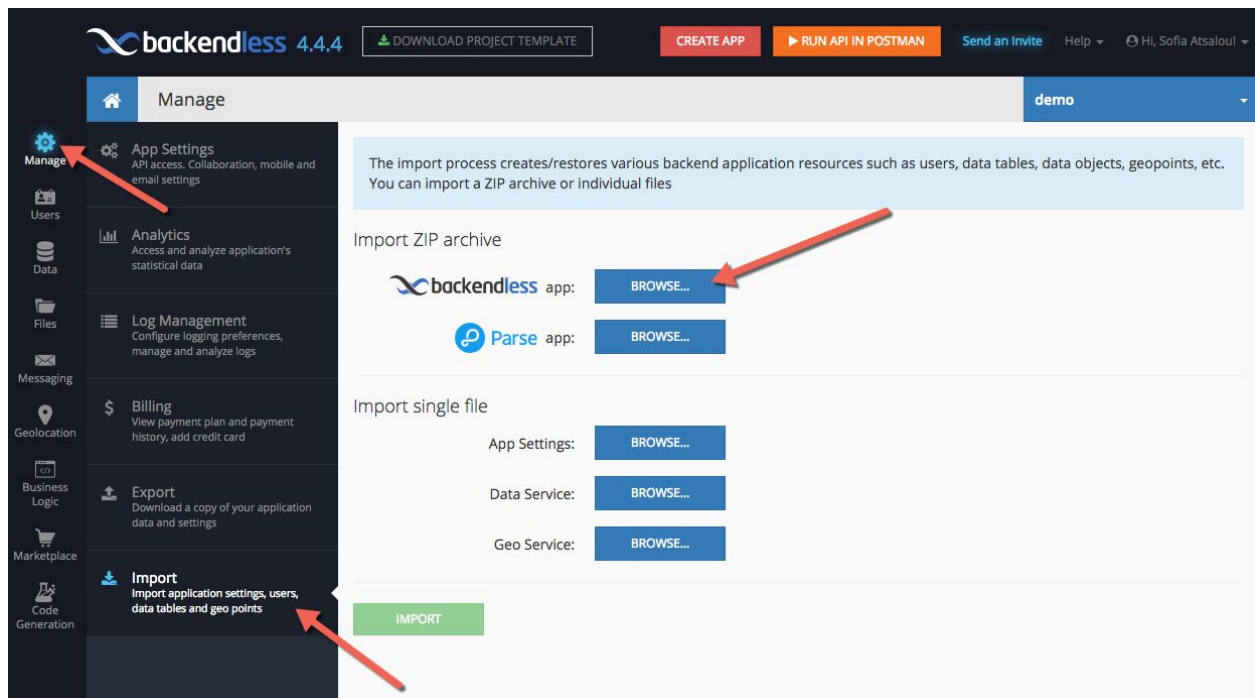
Firstly, visit <https://develop.backendless.com/registration> and create an account and, then, create a new app.

The screenshot shows the Backendless 4.4.4 dashboard. The top navigation bar includes the Backendless logo, version 4.4.4, a 'DOWNLOAD PROJECT TEMPLATE' button, and buttons for 'CREATE APP', 'RUN API IN POSTMAN', 'Send an Invite', and a user profile dropdown. The left sidebar contains icons for Manage, Users, Data, Files, Messaging, Geolocation, Business Logic, Marketplace, and Code Generation. The main content area is titled 'Dashboard' and displays the configuration for the 'business_directory' app. It includes fields for App Name, Billing Plan (Developer), App URL in Apple Store, App URL in Google Play, Application ID, and various API keys (iOS, Android, JS, REST). A 'Change App Icon' button is also present. Below the configuration fields are four summary cards: API/MINUTE (0/300), PUB/SUB MESSAGES (0/100000), PUSH MESSAGES (0/100000), and DISK SPACE (209 KB/5 GB). Each card has an 'ADD MORE' button. A dropdown menu is open on the right, showing a list of app names: business_directory, catalogue, hotel, real_estate, and restaurant. A red arrow points to the 'Create new app' option at the bottom of the dropdown.

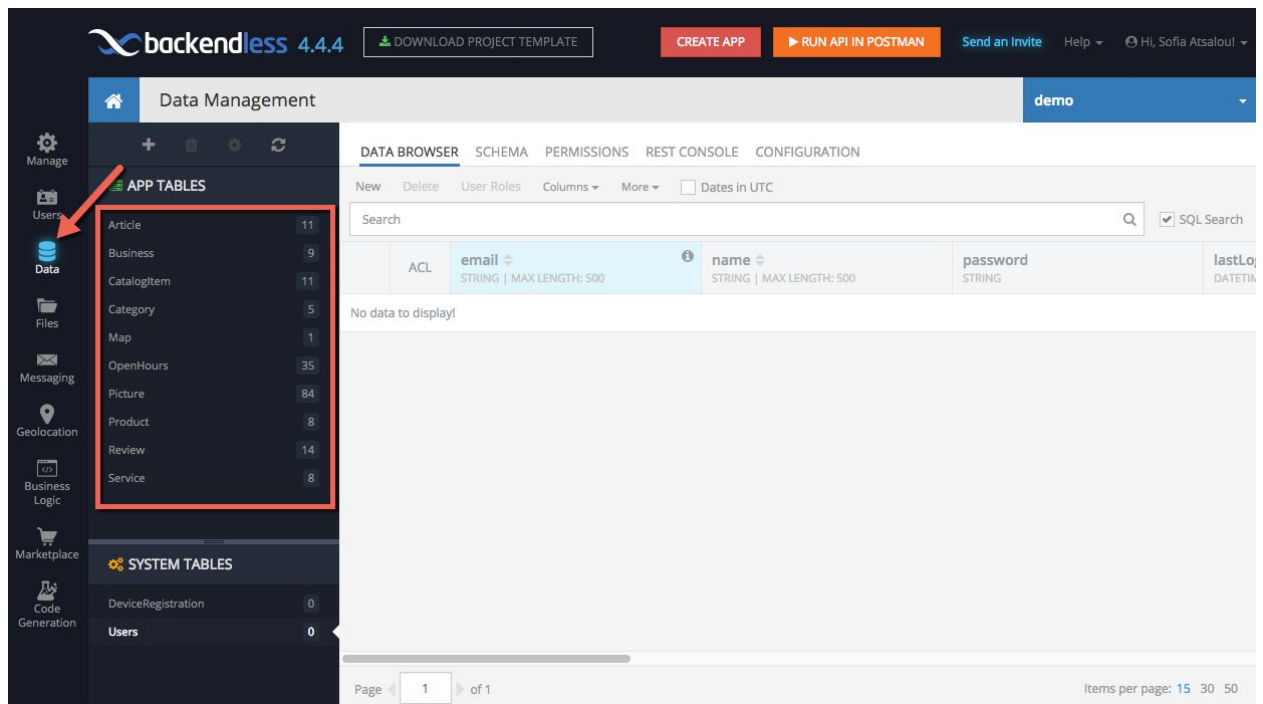
Create data

To create your data, use the sample ZIP file located under the `project/misc/_backendless/` path. In this way, the appropriate data structure of the app will be initialized so you can add/edit your own data using the same structure.

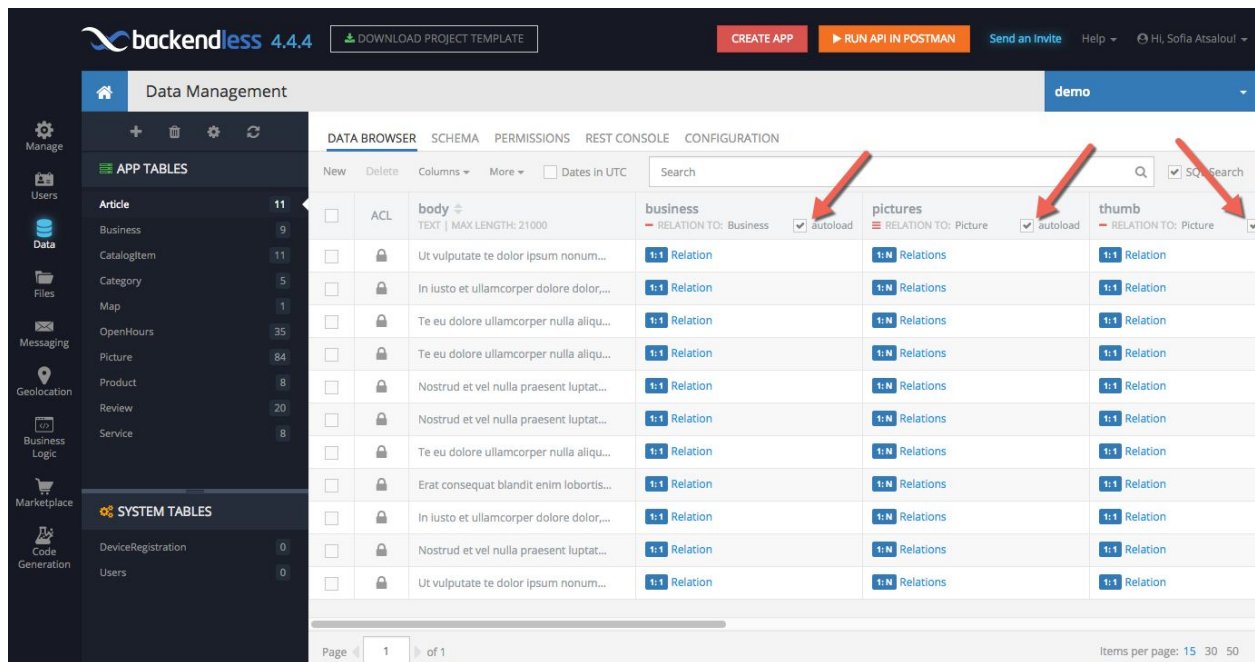
To import the data, go to Manage -> Import and browse the ZIP file as shown in the screen capture below:



Finally, hit the “Import” button and wait a couple of seconds for the import to be finished. At the end, you should be able to see all the data you imported by clicking on “Data” from the side menu.



To enable the app to load the related data/objects, select each one of the tables and make sure the “autoload” option is checked where there is a relation.



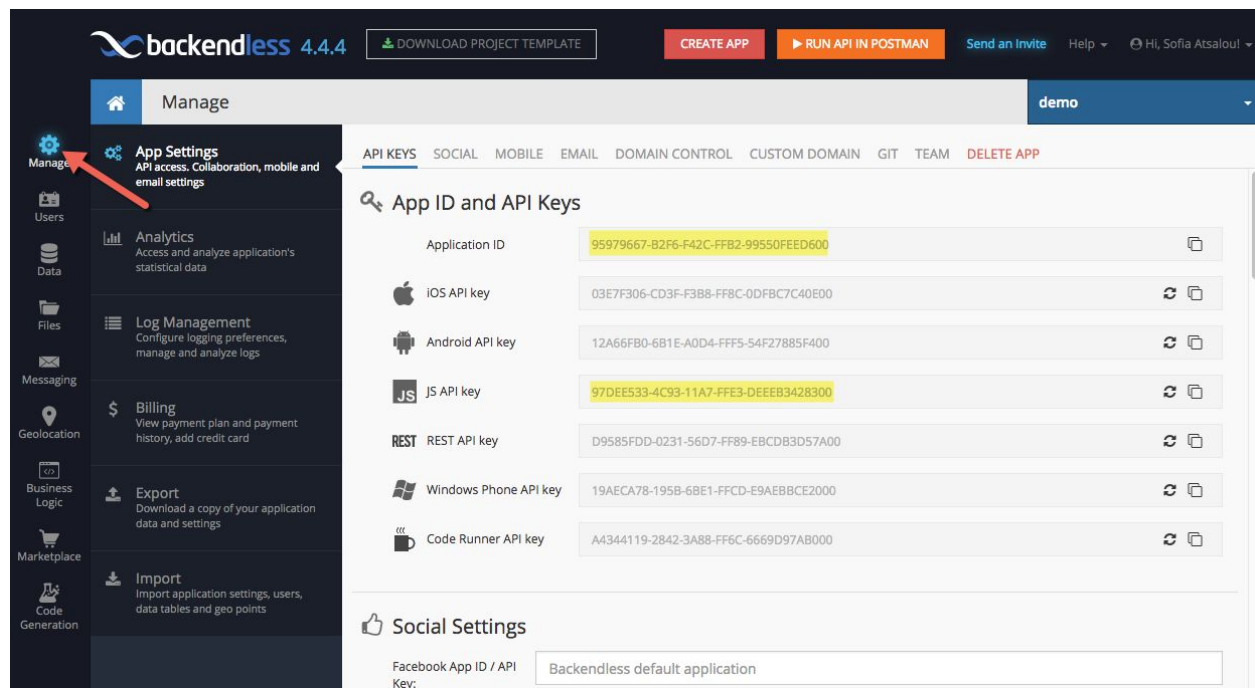
For more information about how to create data and relations, read Backendless official [documentation](#).

Set Backendless data provider

To connect the mobile app with your Backendless data, open the `src/config.ts` file, set the “DATA_PROVIDER” variable as “BACKENDLESS” and define the application ID and the JS API key as shown:

```
config.ts
4 export const mapApiKey = 'AIzaSyAICfcc8EqgpMaytQEuPkcYAFaCFQXNfRo';
5
6 export const firebaseConfig = {
7   apiKey: 'AIzaSyAPinktmCHhcL88Rzm0p98W0cJ30LmEhqA',
8   authDomain: 'business-directory-frb3.firebaseio.com',
9   databaseURL: 'https://business-directory-frb3.firebaseio.com',
10  projectId: 'business-directory-frb3',
11  storageBucket: 'business-directory-frb3.appspot.com',
12  messagingSenderId: '393441420615'
13 };
14
15 export const backendlessConfig = {
16   appId: '23A8662E-FEFD-1784-FF25-94058263E100',
17   appKey: '77C08DC8-2C95-D7E5-FF8D-0B0DF1D92700'
18 };
19
20 export const DATA_PROVIDER: 'HTTP' | 'FIREBASE' | 'BACKENDLESS' = 'BACKENDLESS';
21
22 export const sender_id = '211377410430';
```

To find your application ID and your JS API Key, go to Manage -> App Settings and copy the “Application ID” and the “JS API key” as highlighted in the following screen capture:



JSON Data sources

In case you chose Firebase or Backendless as the app's data provider, you can skip this section. Otherwise, this section will guide you in order to make the app read the data it needs from a local or a remote source other than Firebase and Backendless. In this case, the sources should be JSON files located either locally or on a remote server (e.g. Amazon S3).

You can find the `data.json` file located under the `/src/assets/data/` path as an example of a JSON data source. This file contains several data nodes that are described in the following sections.

Businesses

This node contains all the businesses that are going to be displayed in the app. It contains information such as the business name, business description, open hours etc. What's more, in this node you are able to set as many map annotations as you wish that are going to be displayed on the Map screen.

Common

The `origin` property of the map sets the point where it will be centered. This is the **Map** where all the annotations are going to be displayed on.

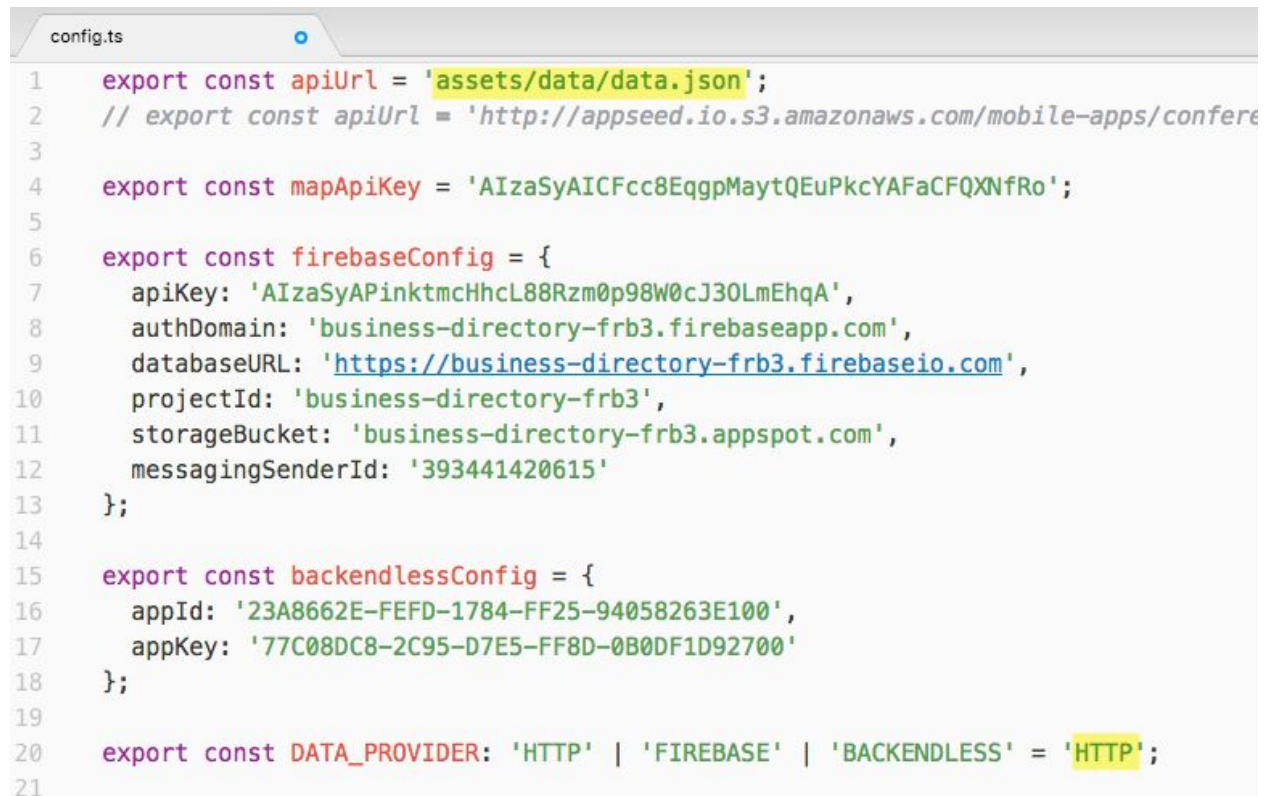
Origin property together with the zoom level of the map are included in this node as it is a piece of information that is in common for all the businesses.

News, Products, Services and Catalogs

Each business that will be displayed in the app should have its own news, products, services and catalogs JSON files.

Set HTTP data provider

In the source code of the mobile app, you should set the “DATA_PROVIDER” variable as “HTTP” and define “apiUrl” in `src/config.ts` file so it points where you placed your JSON data source:



```
1  export const apiUrl = 'assets/data/data.json';
2  // export const apiUrl = 'http://appseed.io.s3.amazonaws.com/mobile-apps/conference';
3
4  export const mapApiKey = 'AIzaSyAICfcc8EqgpMaytQEuPkcYAFaCFQXNfRo';
5
6  export const firebaseConfig = {
7    apiKey: 'AIzaSyAPinktmcHhcl88Rzm0p98W0cJ30LmEhqA',
8    authDomain: 'business-directory-frb3.firebaseio.com',
9    databaseURL: 'https://business-directory-frb3.firebaseio.com',
10   projectId: 'business-directory-frb3',
11   storageBucket: 'business-directory-frb3.appspot.com',
12   messagingSenderId: '393441420615'
13 };
14
15 export const backendlessConfig = {
16   appId: '23A8662E-FEFD-1784-A425-94058263E100',
17   appKey: '77C08DC8-2C95-D7E5-A48D-0B0DF1D92700'
18 };
19
20 export const DATA_PROVIDER: 'HTTP' | 'FIREBASE' | 'BACKENDLESS' = 'HTTP';
21
```

Wordpress

This feature loads articles from a remote Wordpress site. The [Wordpress JSON API](#) is used for the creation of JSON feed of the posts. This should be included in the `businesses` node.

For demonstration purposes a Wordpress website has been installed. Its URL and JSON feed that is used in this application are provided by the following links:

- Site: <http://demo.titaniumtemplates.com/wordpress/>
- JSON: <http://demo.titaniumtemplates.com/wordpress/?json=1>

JSON API plugin

Please note that, firstly, the [JSON API plugin](#) needs to be installed and activated. The related [documentation](#) is also available. According to that, the generation of the feed is done by finding the location on a website that you want to get a JSON feed and add “`?json=1`” at the end.

Drupal

This feature loads articles from a remote Drupal web site. [Services](#) module is used for the creation of JSON feed of the posts which should be included in the `businesses` node.

For demonstration purposes a Drupal website has been installed. Its URL and JSON feed that is used in this application are provided by the following links:

- Site: <http://demo.titaniumtemplates.com/drupal>
- JSON: http://demo.titaniumtemplates.com/drupal/rest/views/rest_api

Services and JSON View

Firstly, you should install the [Services](#) module and enable it. A View that exposes a JSON feed of the articles should also be created.

The following tutorial describes this process:

- A Beginners Guide to the Drupal Services Module
<https://www.ostraining.com/blog/drupal/services/>

All the modules that are needed for this are listed below:

1. <https://www.drupal.org/project/services>
2. <https://www.drupal.org/project/ctools>
3. <https://www.drupal.org/project/libraries>
4. <https://www.drupal.org/project/views>
5. https://www.drupal.org/project/services_views

Support

With regard to technical questions, new ideas and suggestions, you may use the dedicated form and choose the product your enquiry refers to:

<http://support.appseed.io/customer/portal/questions/new>

References / Links:

- [YouTube channel](#)
Periodically, video demonstrations and tutorials related to this product will be published in this YouTube channel.
- [Codecanyon User page](#)
You may contact us by using our user page on Codecanyon.
- [Quick Start Guide](#)
The online version of this document.

Thank you

Thank you again for purchasing our product. If you have any questions that are beyond of the scope of this help file, please feel free to email also via our [support center](#) form.

--- *The Appseed team.*