Business Directory Ionic 5.0 Documentation

Quick start Guide - Installation and user support

Created: Apr 22, 2020
Updated: Apr 22, 2020
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Thank you for purchasing our product. If you have any questions that are beyond the scope of this help file, please feel free to email us. Thank you!

Table of contents:

What's in the Pack

Preparing your local environment (first-time preparations)
- NodeJS
- Sass
- Git
- Cordova and Ionic

Run for the first time
- 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
  - JSON Data sources
    - Businesses
    - Common
    - News, Products, Services and Catalogs

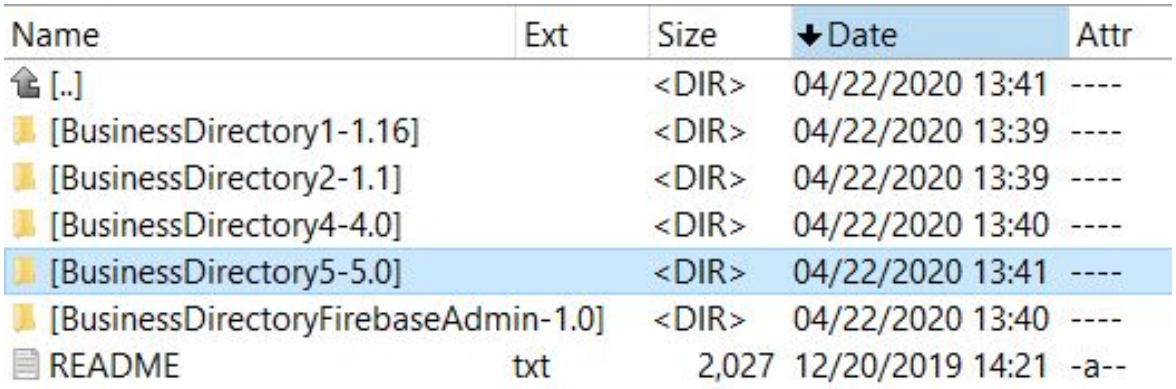
Set HTTP data provider
Wordpress
JSON API plugin
Drupal
Services and JSON View

Support
References / Links

Thank you

What's in the Pack

After extracting it, the downloaded .zip file looks like this:



Name	Ext	Size	Date	Attr
[..]		<DIR>	04/22/2020 13:41	----
[BusinessDirectory1-1.16]		<DIR>	04/22/2020 13:39	----
[BusinessDirectory2-1.1]		<DIR>	04/22/2020 13:39	----
[BusinessDirectory4-4.0]		<DIR>	04/22/2020 13:40	----
[BusinessDirectory5-5.0]		<DIR>	04/22/2020 13:41	----
[BusinessDirectoryFirebaseAdmin-1.0]		<DIR>	04/22/2020 13:40	----
README	txt	2,027	12/20/2019 14:21	-a--

It contains:

1. **BusinessDirectory1-1.x**: Documentation and source code of the Business Directory app based on Ionic 1.x.
2. **BusinessDirectory2-1.x**: Documentation and source code of the Business Directory app based on Ionic 3.x (2nd Generation).
3. **BusinessDirectory4-4.x**: Documentation and source code of the Business Directory app based on Ionic 4.x.
4. **BusinessDirectory5-5.x**: Documentation and source code of the Business Directory app based on Ionic 5.x.
5. **BusinessDirectoryFirebaseAdmin-1.x**: Documentation and source code of the Business Directory Admin web app based on Angular.
6. **README**: Additional information for the distribution you downloaded such as support and online Start Guide links.

This Start Guide refers to the **BusinessDirectory5-5.x** folder.

Preparing your local environment (first-time preparations)

NodeJS

Firstly, ensure that NodeJS is installed in your computer. If NodeJS is not installed, please install the **12.x LTS** version.

For more information about the NPM packages Ionic uses, refer to the "Using NPM" section of Ionic official documentation.

Sass

Ionic 5 uses Sass. In order to install it on your 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 still be able to run the application into a browser.

In order to install Ionic CLI for the creation/running of Ionic 5 projects, run the command:

```
$ npm install -g @ionic/cli
```

In order to install Cordova, run the command:

```
$ npm install -g cordova
```

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.

Install libraries

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

```
$ npm install
```

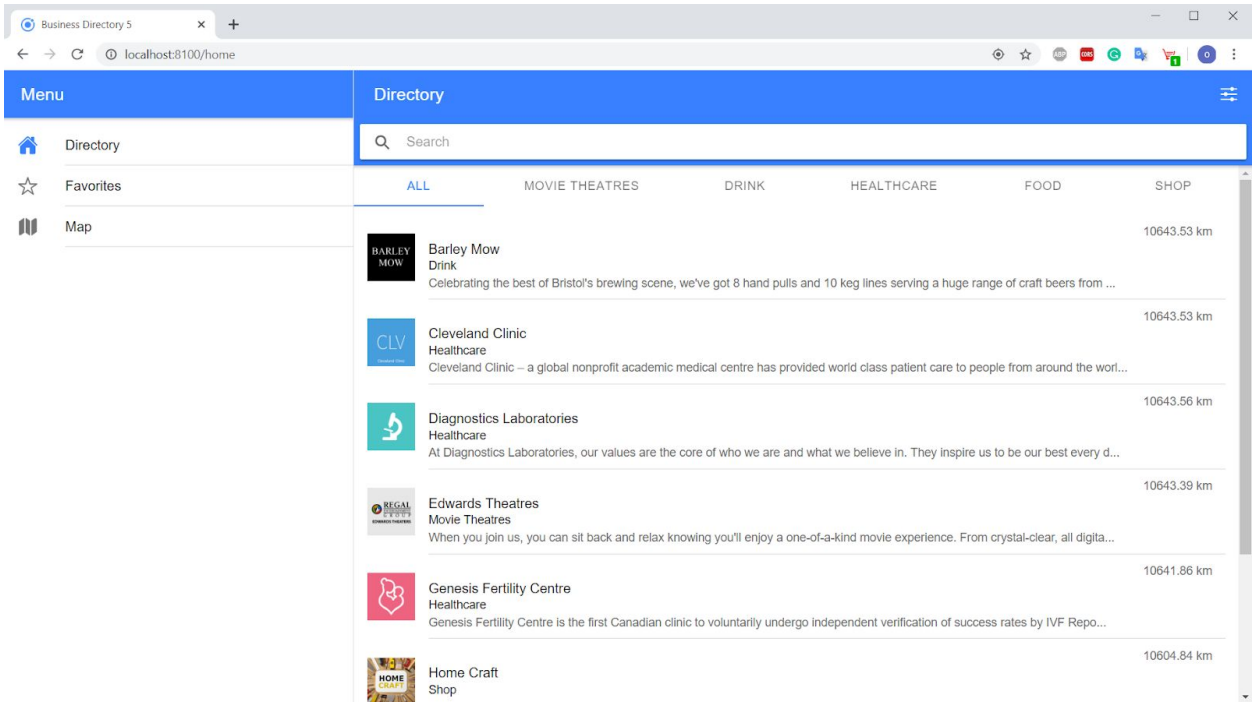
Run/Build the application (after the first-time preparations)

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

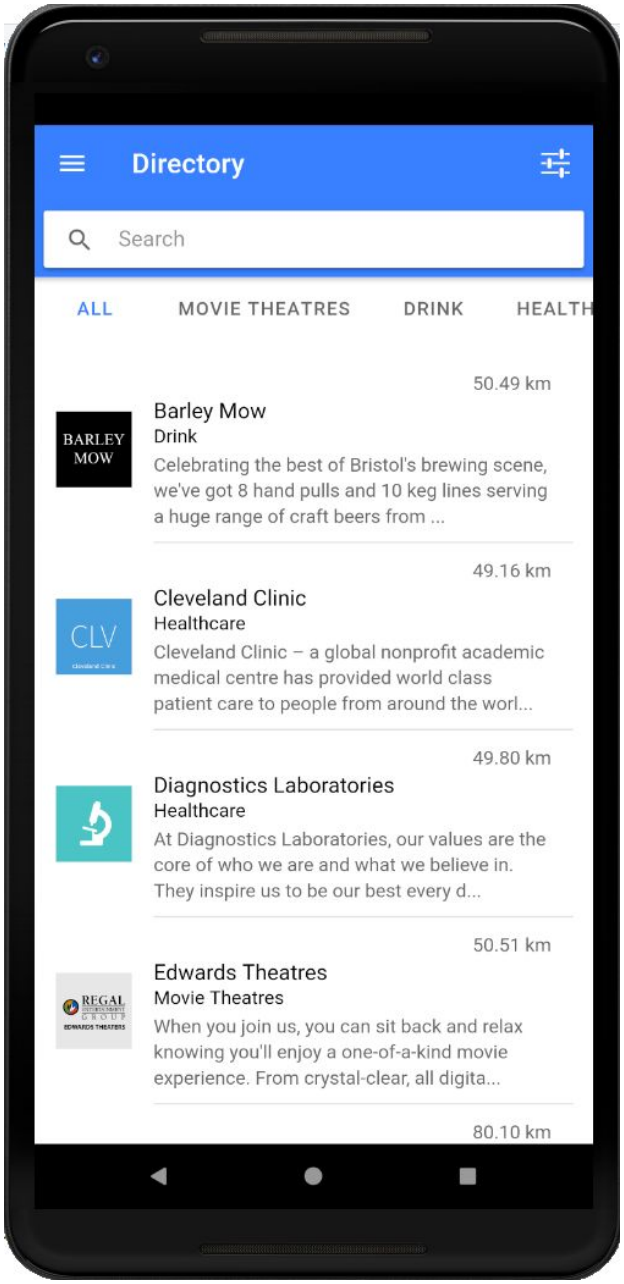
Firstly, the prefered platform should be added. To add the Android platform run:

```
$ ionic cordova platform add android
```

Now the application is ready to start inside a simulator:

```
$ ionic cordova emulate android
```

The Android emulator will launch and the Business Directory Ionic app will start.



Similarly, to add the iOS platform run:

```
$ ionic cordova platform add ios
```

To run the app inside an iOS emulator:

```
$ ionic cordova emulate ios
```

Build the app

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

```
$ ionic cordova build ios
```

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

```
$ ionic cordova build android
```

Configuration

All the configuration of the 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.

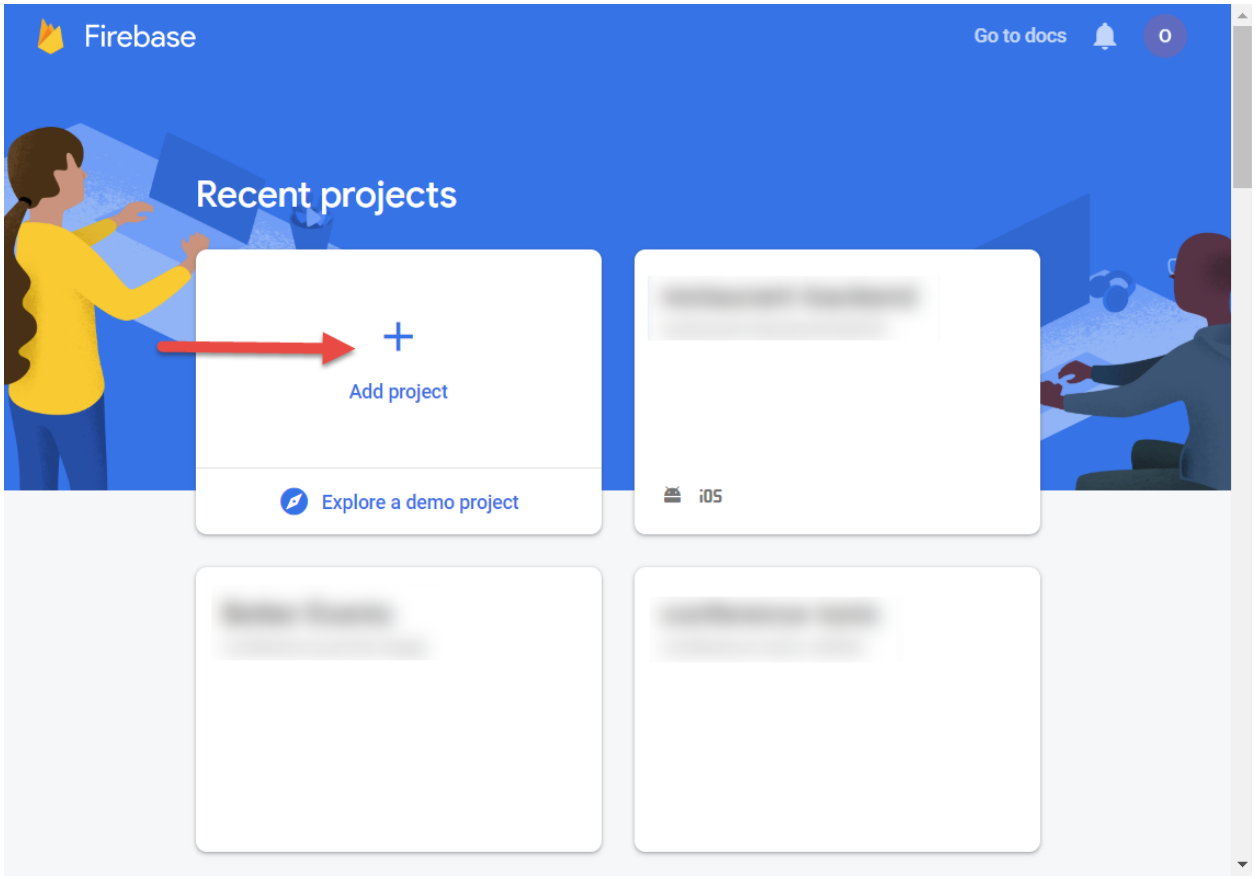
Data Sources Creation

Firebase

This app uses Firebase 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 Firebase.

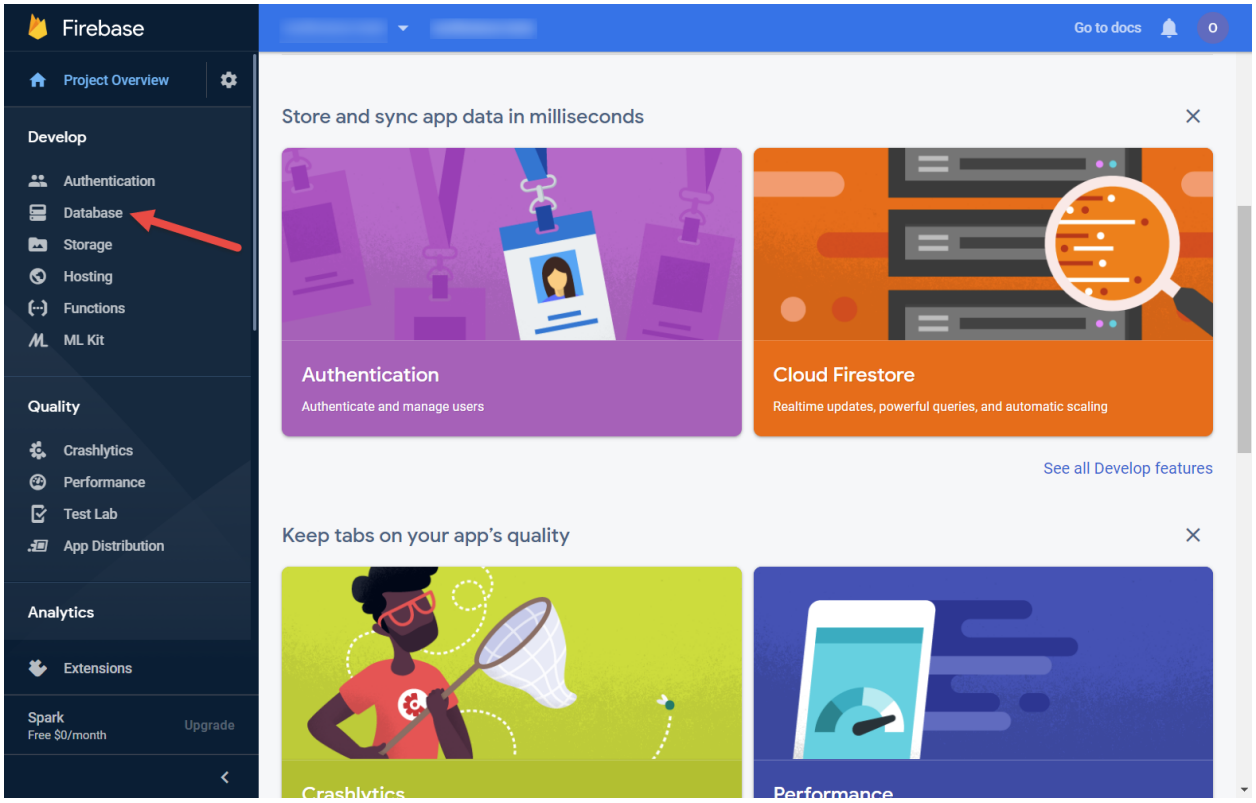
Create a Firebase app

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

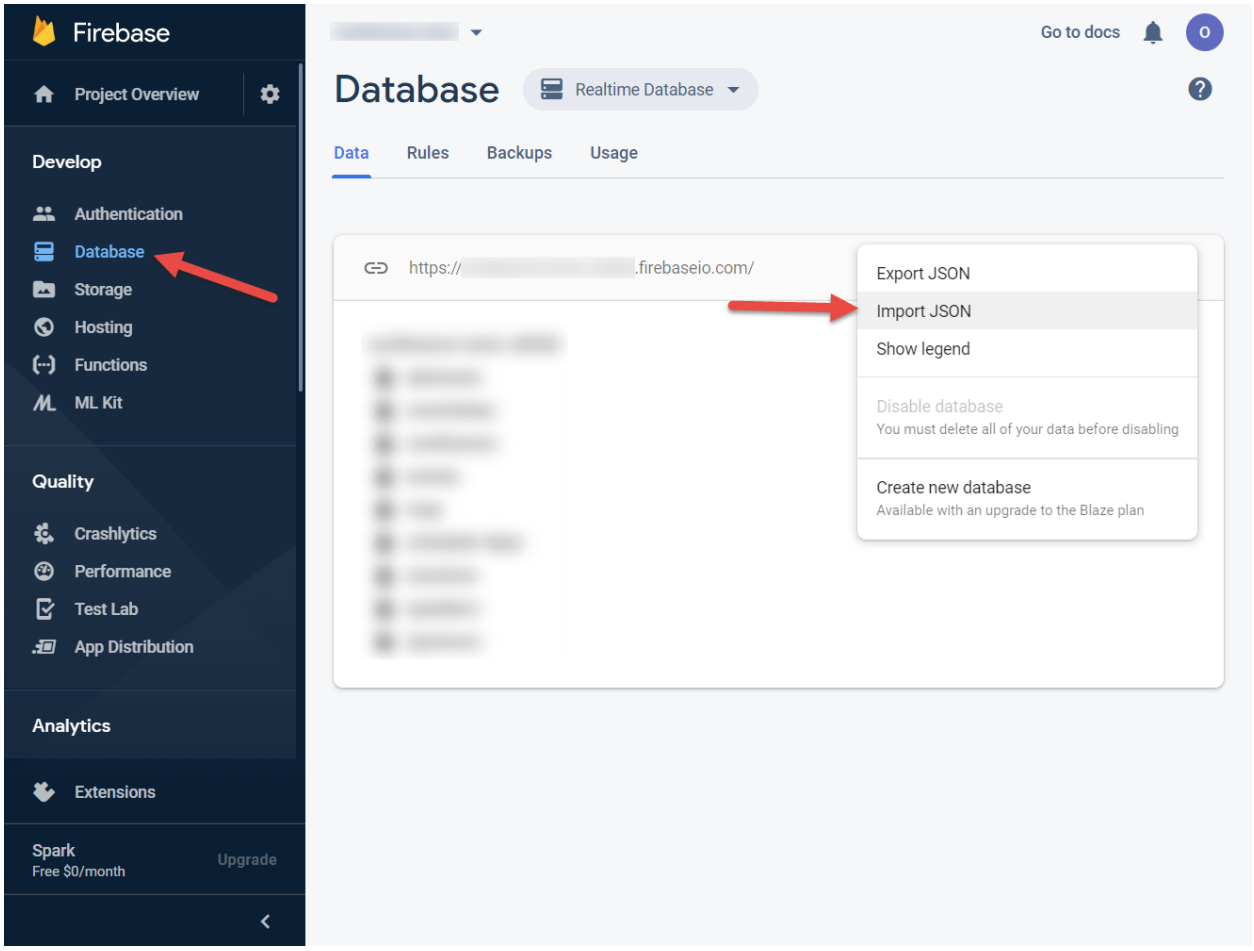


Create/Add data

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.



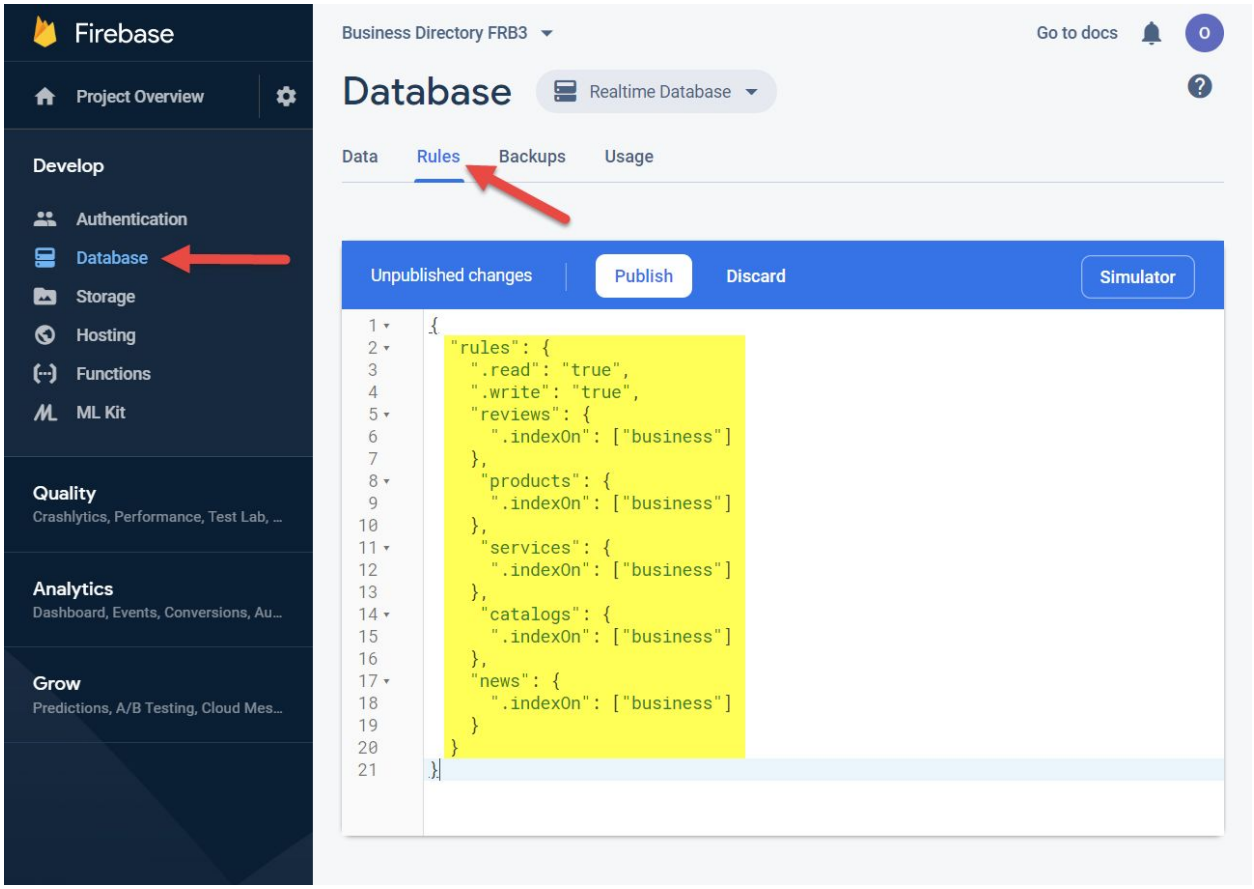
There is a sample JSON file under the `misc/_firebase/` path which can be imported to the Firebase project created in the previous step. This file indicates the appropriate data structure for this app.

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:

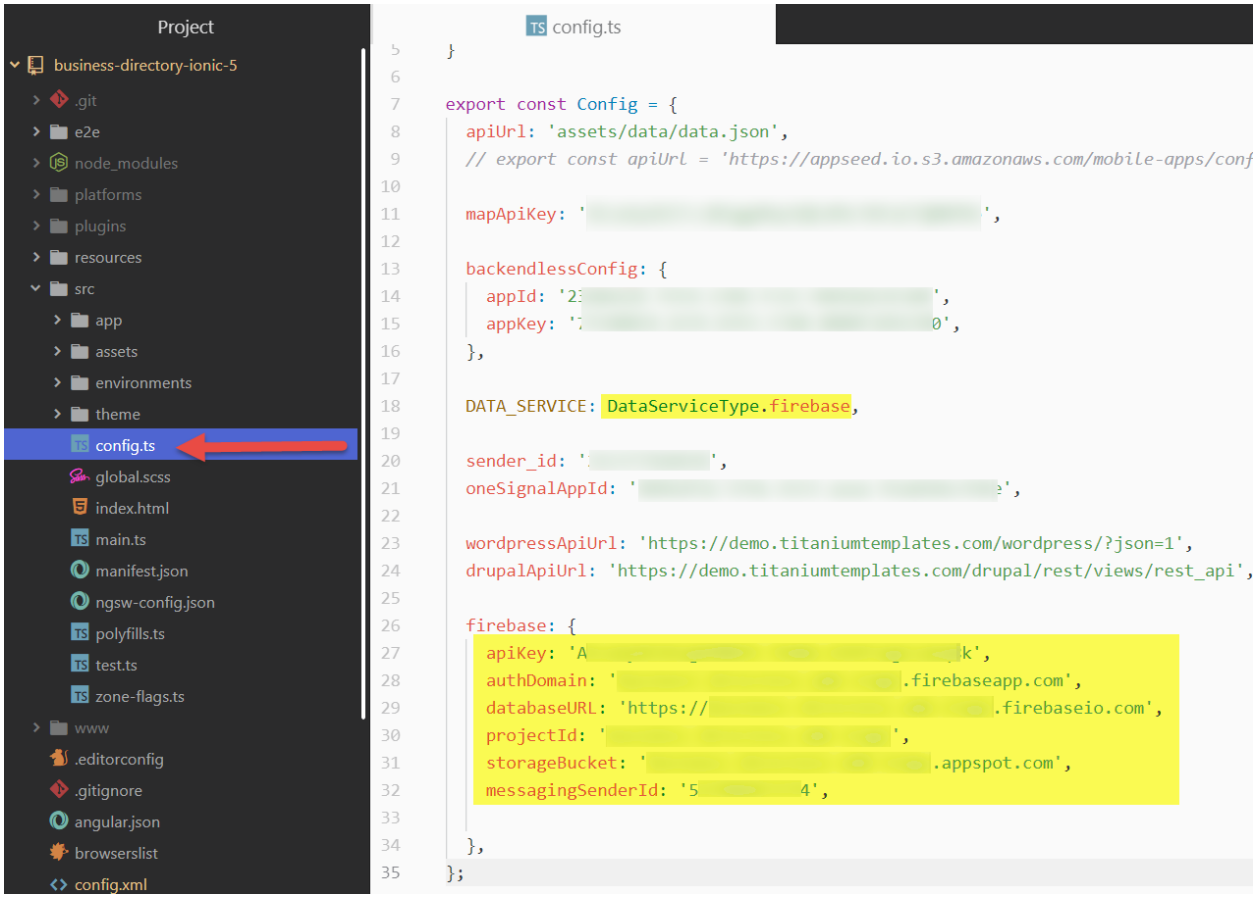
```
{
  "rules": {
    ".read": "true",
    ".write": "true",
    "reviews": {
      ".indexOn": ["business"]
    },
    "products": {
      ".indexOn": ["business"]
    },
     "services": {
      ".indexOn": ["business"]
    },
```

```
    "catalogs": {
      ".indexOn": ["business"]
    },
    "news": {
      ".indexOn": ["business"]
    }
  }
}
```

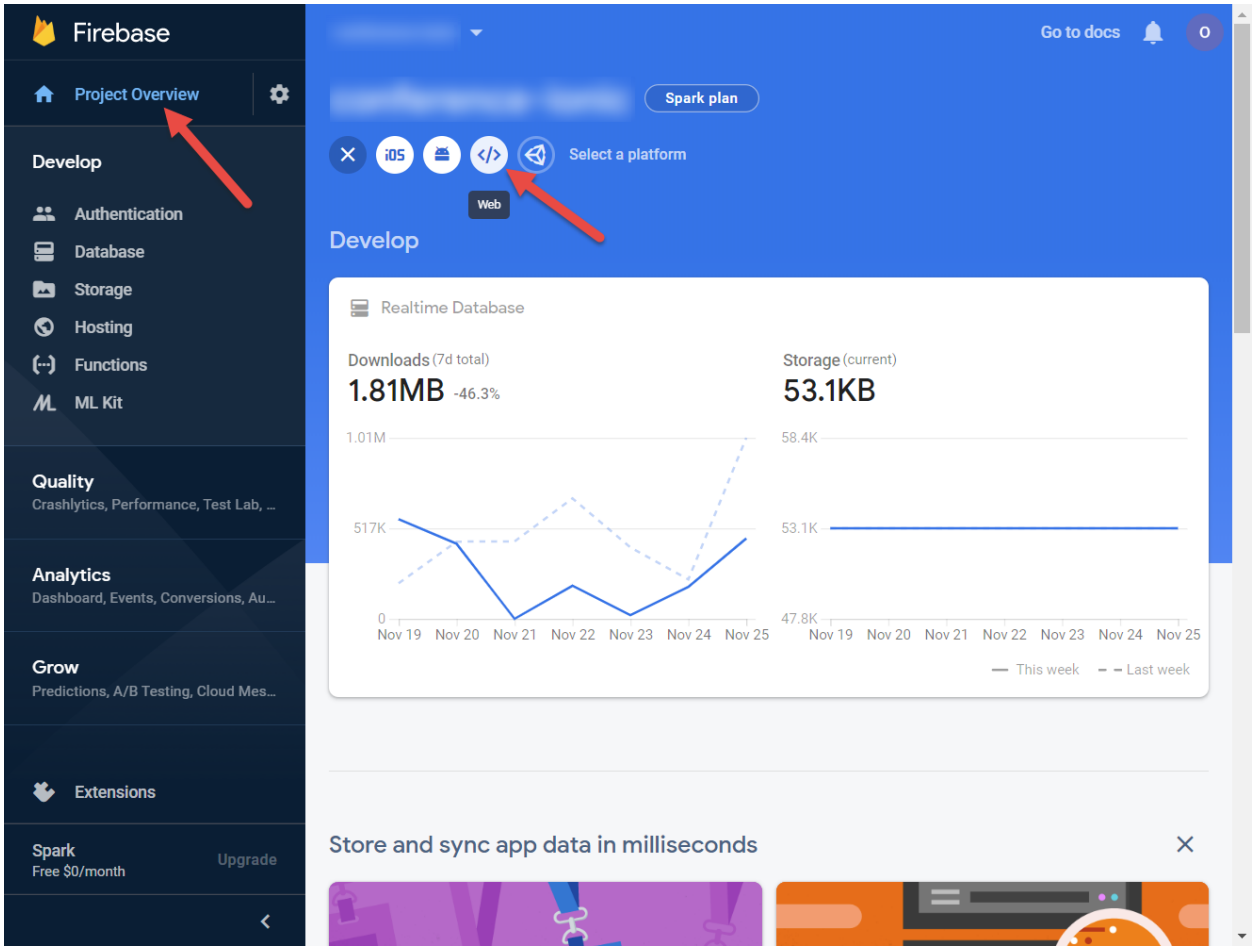


Set Firebase data provider

In the source code of the mobile app, you should set the “DATA_SERVICE” variable as “DataServiceType.firebase” and define the “firebase” object in `config.ts` located in the `src` folder.



In order to find the “apiKey”, “authDomain” and “databaseURL”, “storageBucket” and “messagingSenderId”, go to the Firebase console of your project and select “Project Overview” and “Add Firebase to your web app”.



Then, copy the snippet highlighted in the following screen capture.

JSON Data sources

In case you chose Firebase 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. 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.

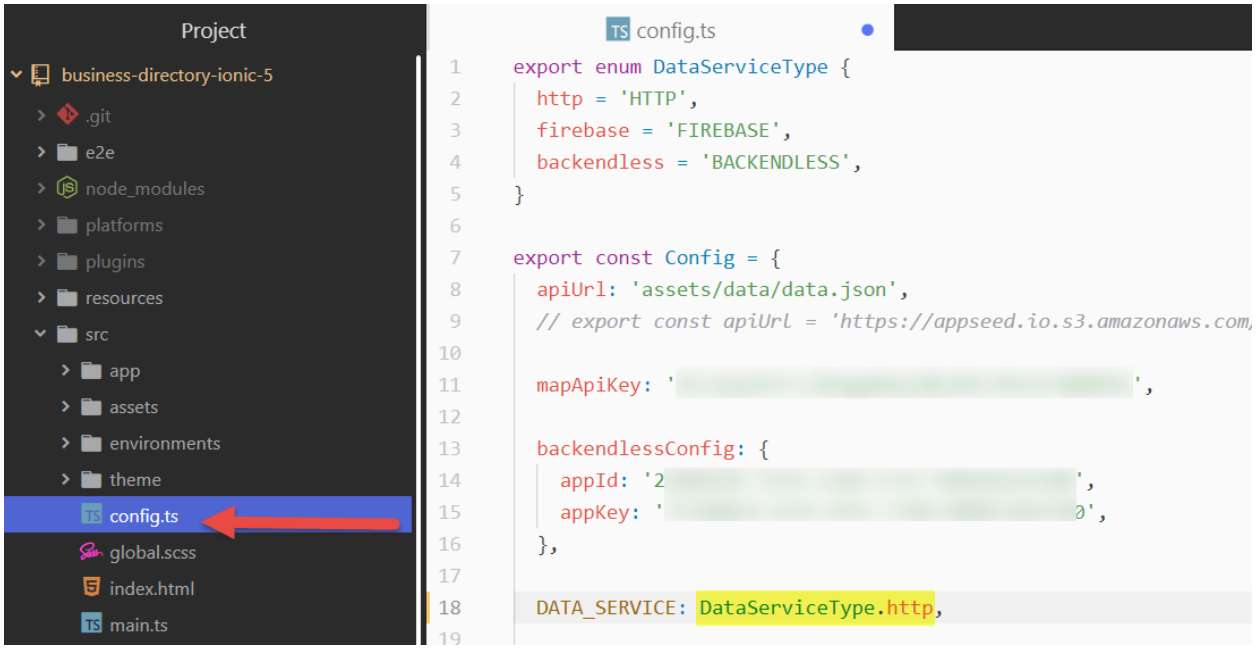
Origin property together with the zoom level of the map are included in this node as it is a piece of information that is in common for all businesses.

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_SERVICE" variable as "DataServiceType.http" in the `config.ts`.



Finally, set the location of your JSON source file in the `config.ts` where the `apiUrl` variable is defined. In case you have stored the JSON file in the app file system simply set the path. Else, if you have stored the JSON file on a remote server, for example Amazon S3, set the corresponding URL.

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: https://demo.titaniumtemplates.com/wordpress/
- JSON: https://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: https://demo.titaniumtemplates.com/drupal
- JSON: https://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 contact form from our Codecanyon profile:

https://codecanyon.net/user/appseed

References / Links

- Codecanyon User page
  You may contact us by using our user page on Codecanyon.
- AppSeed Support
  Submit your question with an email mentioning the product name.
- Quick Start Guide
  The online version of this document.
- appseed.io
  Our official website.

Thank you

Thank you again for purchasing our product. If you have any questions that are beyond the scope of this help file, please feel free to email us.

--- *The Appseed team.*