

# Local Business Mobile App v1.1

## Documentation

Quick start Guide - Installation and user support

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*Thank you for purchasing my product. If you have any question that are beyond of the scope of this help file, please feel free to email via [my user page](#) contact form. Thank you!*

### Table of contents:

- [What's in the Pack](#)
- [Preparing your local environment \(first-time preparations\)](#)
  - [NodeJS](#)
  - [Cordova and Ionic](#)
  - [Tools](#)
- [Run for the first time](#)
  - [Install libraries and plugins](#)
  - [Post installation](#)
    - [Linux/MacOX](#)
    - [Windows Users](#)
  - [Plugins](#)
- [Run/Build the application \(after the first-time preparations\)](#)
  - [Run a local development server](#)
  - [Run in the emulator](#)
  - [Build the app for specific platforms](#)
- [Personalize the app](#)
  - [Keys](#)
- [Configuration](#)
  - [News, Products, Services and Catalogs](#)
  - [Connect mobile app with Backend](#)
    - [API Client](#)
    - [Set the endpoint](#)
  - [Wordpress](#)
    - [JSON API plugin](#)
  - [Drupal](#)
    - [Services and JSON View](#)
- [Push Notification](#)
  - [Plugins](#)
  - [Ionic Platform](#)

[iOS Configuration](#)

[Android Configuration](#)

[Support](#)

[References / Links:](#)

[Thank you](#)

## What's in the Pack

After extracting it, the downloaded .zip includes the folder shown in the following screen capture:



The highlighted folder corresponds to the code of the Ionic mobile app and contains:

1. **Quick Start Guide:** Documentation with instructions on how to install, configure and personalize the application.
2. **Licences folder:** Terms and conditions for use, reproduction and distribution of this software piece.
3. **Project folder:** Can be used for development purposes. Using this folder, you will be able to make changes in the code, run, test and build your app by leveraging Grunt tool.
4. **Release folder:** Includes a generated Ionic project. This is a simplified version of the Grunt based project where all the grunt related automations and dependencies are stripped out.

For the instructions in this document, we will use `project` folder.

## Preparing your local environment (first-time preparations)

### NodeJS

First, make sure that [NodeJS](#) is installed on your computer. If NodeJS is not installed, please install the 4.x version of NodeJS for stability.

For more information about the NPM packages Ionic uses, refer to "[Using NPM](#)" section of Ionic official documentation.

### Cordova and Ionic

This is a [Cordova](#) and [Ionic](#) based application, so the [Cordova](#) and [Ionic](#) should be installed in your computer. Since Local Business Ionic, 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.

For more information, please, check the “[Get Started Fast](#)” and “[Getting Started with Ionic](#)” sections in the official Cordova and Ionic websites respectively.

## Tools

This project is based on the popular “[Ionic Framework Generator](#)” that boosts the overall development process by integrating a couple of very popular automation tools like [Grunt](#) and [Bower](#).

Install these tools by following the instructions in their corresponding web pages:

1. [Install Bower](#)
2. [Getting started with Grunt - Install the CLI](#)
3. [Getting started with Yeoman](#)

Finally install the yeoman generator via:

```
$ npm install -g generator-ionic
```

## 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 and plugins

Open a terminal window and navigate to `project` directory. Install NodeJS dependencies:

```
$ npm install
```

## Post installation

There is a post installation process under which required Cordova plugins and Javascript dependencies are installed. To simplify this process two scripts are already prepared for both platforms: Linux/MacOS and Windows

### Linux/MacOX

Install all the required plugins and Javascript dependencies:

```
$ ./install.sh
```

### Windows Users

Similarly, Windows users should execute:

```
$ install.bat
```

## Plugins

Since Cordova comes with a minimum set of APIs, plugins are added in this project in order to be part of some features of the app. For example, plugins are used for enabling the app to access device's hardware and OS such as keyboard and location of the device. You can find the full list of the required plugins and their functionality in the `README.md` file under `project` directory.

Follow the same process as with "Libraries" and install the required plugins by using the commands that follow:

```
$ cordova plugin add {plugin name or url}
```

eg:

```
$ cordova plugin add cordova-plugin-inappbrowser
```

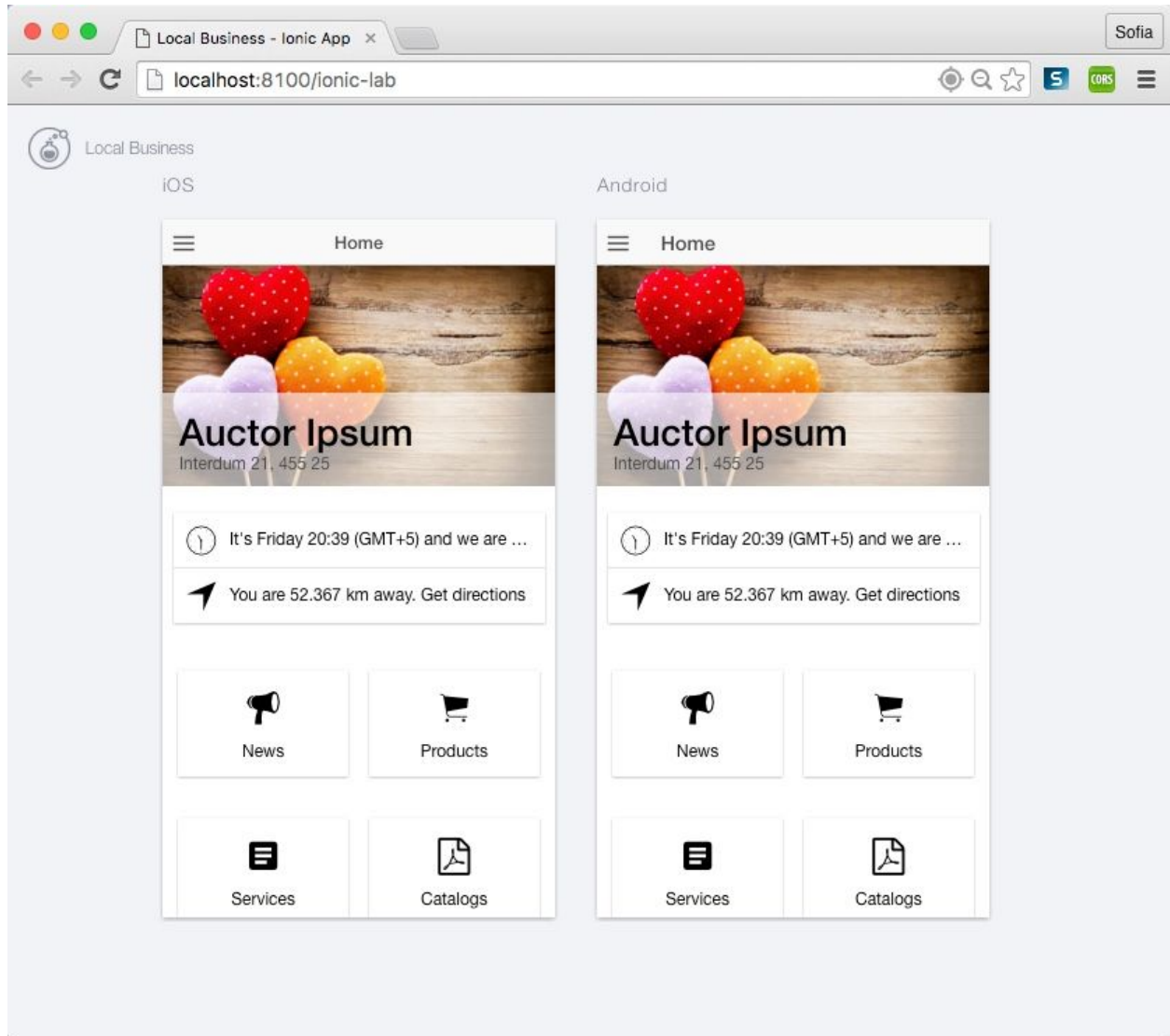
## Run/Build the application (after the first-time preparations)

### Run a local development server

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

```
$ grunt serve --lab
```

A browser window will open with two virtual devices the one next to the other.



You could also open the application in a single browser window by starting it with the command:

```
$ grunt serve
```

## Run in the emulator

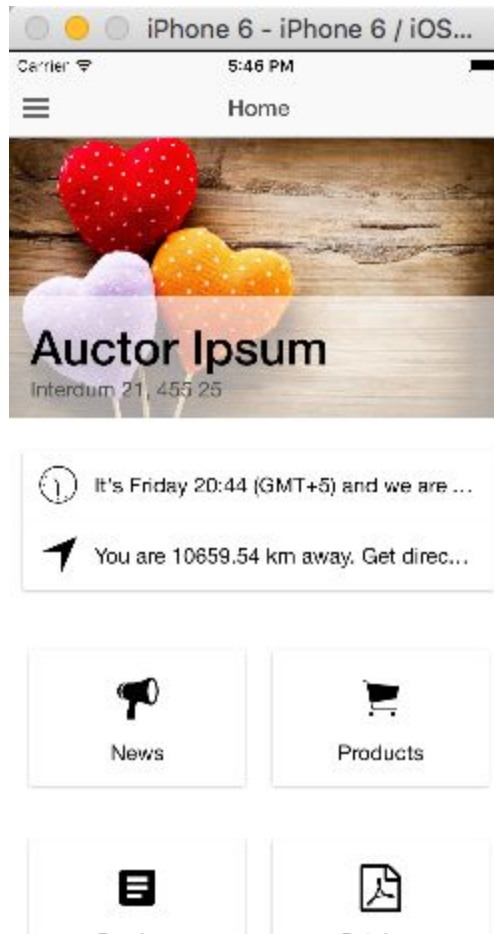
First the preferred platform should be added. In this case iOS:

```
$ grunt platform:add:ios
```

Now the application is ready to start inside a simulator:

```
$ grunt emulate:ios
```

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



## Build the app for specific platforms

In order to build all the added platforms, run the command:

```
$ grunt build
```

In order to build Android platform, run the command:

```
$ grunt build:android
```

In order to build iOS platform, run the command:

```
$ grunt build:ios
```

After building your project, [www] folder will be created which is the actual cordova directory and where all the plugins and required libraries should be installed.

## Personalize the app

Once you get familiar with the application, The first step is to personalize it. In order to do this, edit the `ionic.project` and `config.xml` files and replace the highlighted fields:



```
1 {  
2   "name": "local-business",  
3   "app_id": "53536596"  
4 }  
5
```

ionic.project

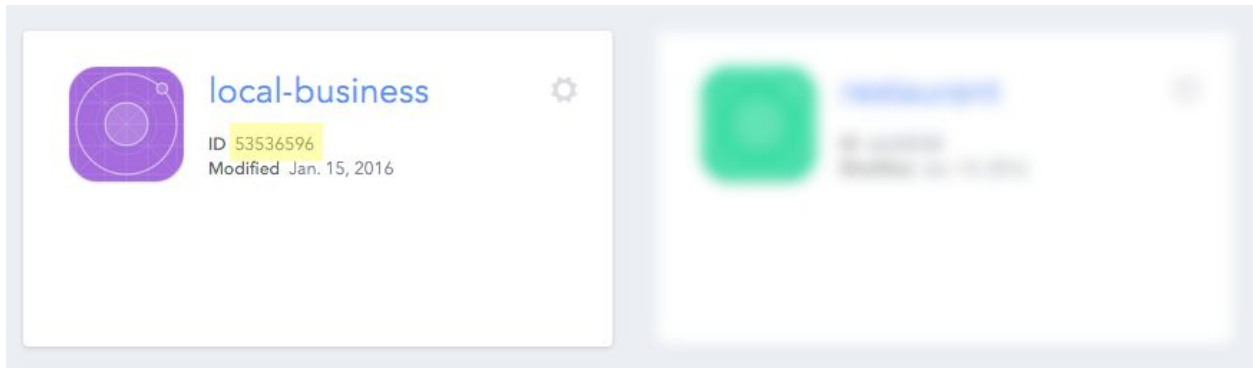


```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>  
2 <widget id="com.titaniumtemplates.local-business" version="0.0.1" xmlns="http://www.w3.org/ns  
3   <name>Local Business</name>  
4   <description>  
5     Local Business. The bootstrap you need in order to build your next Ionic application.  
6   </description>  
7   <author email="skounis@gmail.com" href="http://about.me/stavros.kounis">  
8     Stavros Kounis  
9   </author>  
10  <content src="index.html"/>
```

config.xml

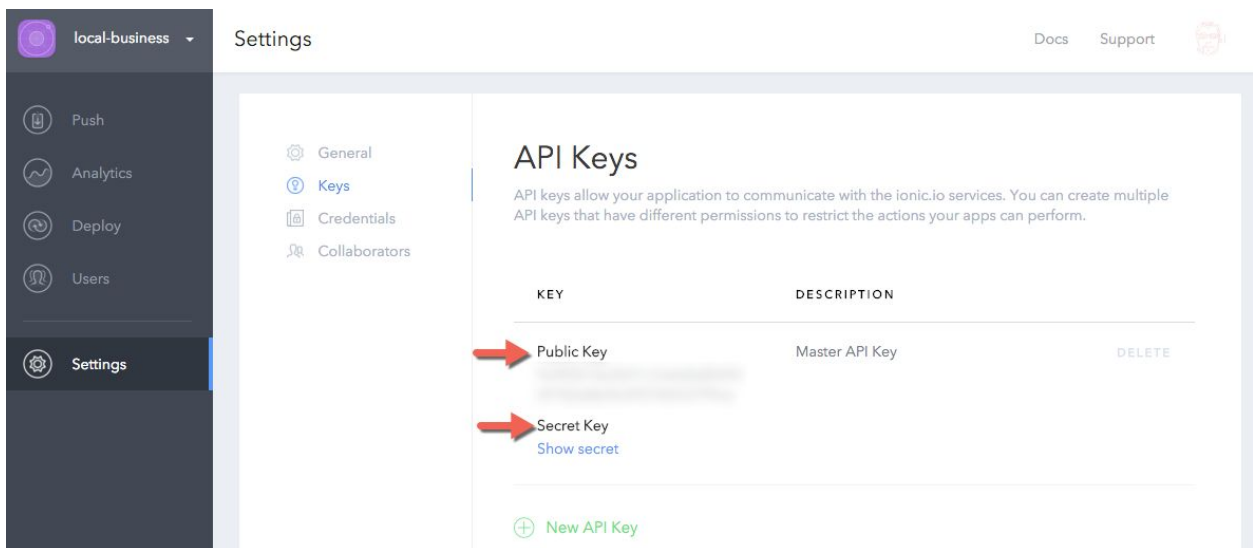
As for the `app_id`, use the ID of the corresponding application in your ionic.io account.





## Keys

Create a set of Public and Secret key for this app in your ionic.io account.



Use these keys and configure the related properties in the Gruntfile.js

```

Gruntfile.js
58     dest: '<%= yeoman.app %>/<%= yeoman.scripts %>/configuration.js'
59   },
60   development: {
61     constants: {
62       ENV: {
63         name: 'development',
64         apiEndpoint: 'https://localbusiness-dev.herokuapp.com/',
65         clientId: 'b9acdae5-d525-4b07-[REDACTED]',
66         clientSecret: '[REDACTED]',
67         youtubeKey: 'AIzaSyDae15MmCQa1Gh[REDACTED]',
68         ionicPrivateKey: 'a9265eaf15a20cc8516c770e87[REDACTED]',
69         ionicPublicKey: 'e30d4d540b8c75d1f167bbf2424[REDACTED]',
70         ionicAppId: '24[REDACTED]',
71         gcmId: '228[REDACTED]',
72         itemsPerPage: 10
73       }

```

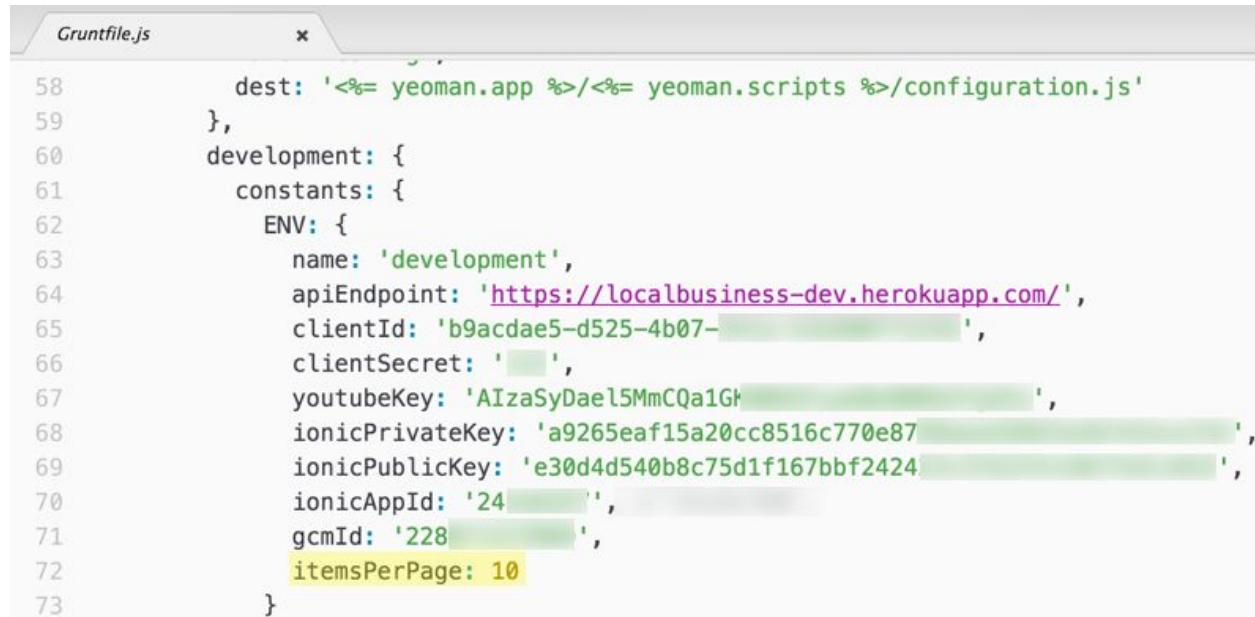
Gruntfile.js

## Configuration

Local Business comes with a fully functional backend which serves as an administration panel to feed the mobile application with all the needed data. Therefore, in order to create and manage mobile app data, please, refer to the “Local Business Backend - Documentation” document.

## News, Products, Services and Catalogs

The mobile app uses infinite scroll for News, Products, Services and Catalogs tabs and loads 10 items each time. This can be configured in Gruntfile.js file as indicated below:



```
58     dest: '<%= yeoman.app %>/<%= yeoman.scripts %>/configuration.js'
59   },
60   development: {
61     constants: {
62       ENV: {
63         name: 'development',
64         apiEndpoint: 'https://localbusiness-dev.herokuapp.com/',
65         clientId: 'b9acdae5-d525-4b07-[REDACTED]',
66         clientSecret: '[REDACTED]',
67         youtubeKey: 'AIzaSyDae15MmCQa1Gh[REDACTED]',
68         ionicPrivateKey: 'a9265eaf15a20cc8516c770e87[REDACTED]',
69         ionicPublicKey: 'e30d4d540b8c75d1f167bbf2424[REDACTED]',
70         ionicAppId: '24[REDACTED]',
71         gcmId: '228[REDACTED]',
72         itemsPerPage: 10
73       }
84     }
85   }
86 }
```

## Connect mobile app with Backend

In this section, you will configure the mobile app so that it is connected with the backend to bring the data. This can be achieved with the following two steps.

### API Client

First, make sure you have created an API Client as indicated in the “Local Business Backend - Documentation” document.

Then, open the `Gruntfile.js` file and edit it so it includes the values of the generated **Key ID** and **Key Secret** of the API Client you created as highlighted in the screenshot:

```

Gruntfile.js x
58     dest: '<%= yeoman.app %>/<%= yeoman.scripts %>/configuration.js'
59 },
60 development: {
61     constants: {
62         ENV: {
63             name: 'development',
64             apiEndpoint: 'https://localbusiness-dev.herokuapp.com/',
65             clientId: 'b9acdae5-d525-4b07-...',
66             clientSecret: '...',
67             youtubeKey: 'AIzaSyDael5MmCQa1G...',
68             ionicPrivateKey: 'a9265eaf15a20cc8516c770e87...',
69             ionicPublicKey: 'e30d4d540b8c75d1f167bbf2424...',
70             ionicAppId: '24...',
71             gcmId: '228...',
72             itemsPerPage: 10
73         }

```

## Set the endpoint

This step assumes that you have already deployed the backend web app and it is online. Using Gruntfile.js file , set the web app's url as shown below:

```

Gruntfile.js x
58     dest: '<%= yeoman.app %>/<%= yeoman.scripts %>/configuration.js'
59 },
60 development: {
61     constants: {
62         ENV: {
63             name: 'development',
64             apiEndpoint: 'https://localbusiness-dev.herokuapp.com/',
65             clientId: 'b9acdae5-d525-4b07-...',
66             clientSecret: '...',
67             youtubeKey: 'AIzaSyDael5MmCQa1G...',
68             ionicPrivateKey: 'a9265eaf15a20cc8516c770e87...',
69             ionicPublicKey: 'e30d4d540b8c75d1f167bbf2424...',
70             ionicAppId: '24...',
71             gcmId: '228...',
72             itemsPerPage: 10
73         }

```

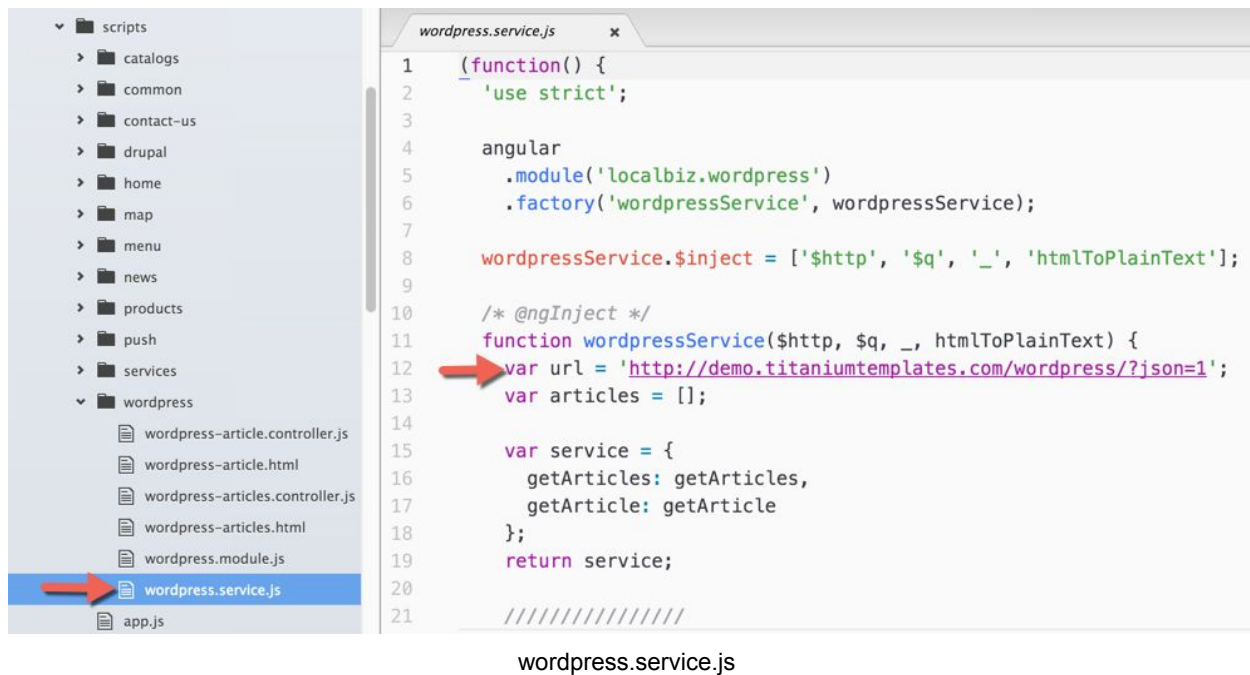
## Wordpress

This feature loads articles from a remote Wordpress site. [Wordpress JSON API](#) is used for the creation of JSON feed of the posts.

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>.

To replace this JSON source with yours, open the `wordpress.service.js` file located under the `app/scripts/wordpress/path` and place your link where the arrow shows.



## 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 adding `"?json=1"` at the end.

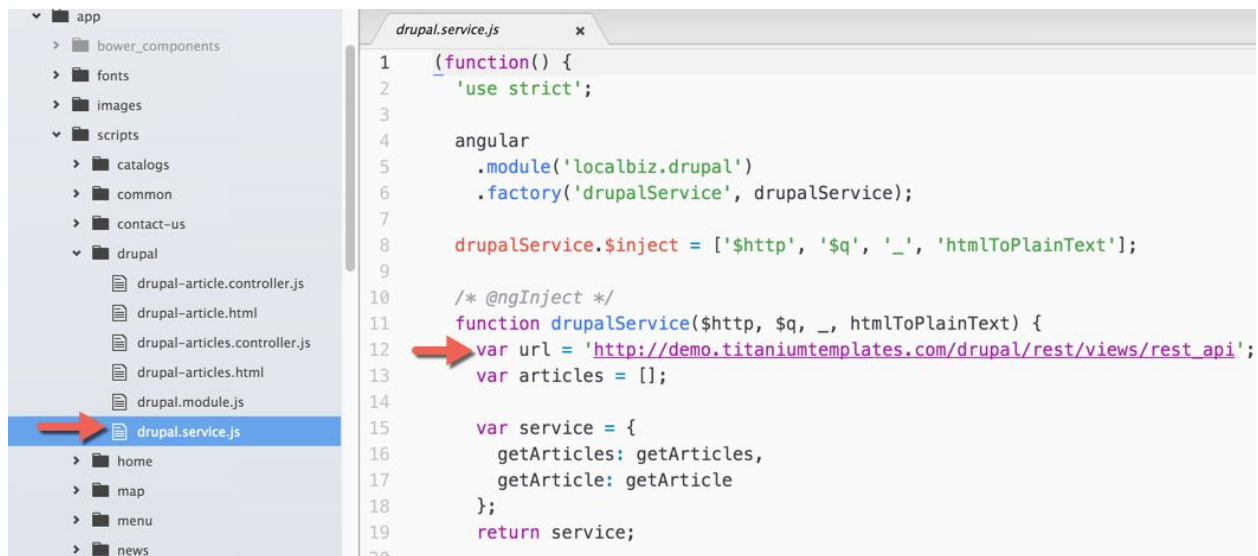
## Drupal

This feature loads articles from a remote Drupal web site. [Services](#) module is used for the creation of JSON feed of the posts.

For demonstration purposes a Drupal website has been installed. Its URL and JSON feed 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](http://demo.titaniumtemplates.com/drupal/rest/views/rest_api).

To replace this JSON source with yours, open the `drupal.service.js` file located under the `app/scripts/drupal/path` and place your link where the arrow shows.



drupal.service.js

## Services and JSON View

Using Drupal, initially, 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](https://www.drupal.org/project/services_views)

## Push Notification

Before you proceed further please check the related documentation provided by Ionic:

<http://docs.ionic.io/v1.0/docs/push-from-scratch>

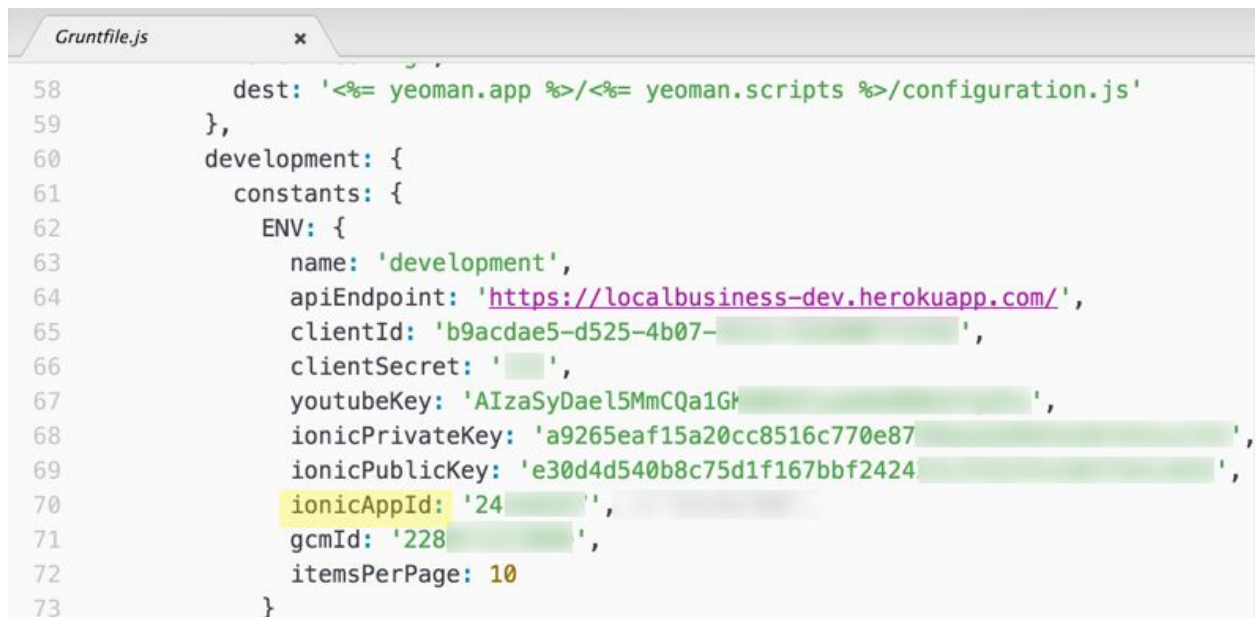
## Plugins

Install the required plugins by using the following commands:

```
$ ionic plugin add https://github.com/phonegap-build/PushPlugin.git
$ ionic add ngCordova
$ ionic add ionic-service-push
```

## Ionic Platform

Please, confirm that you have already created the corresponding Application in your ionic.io account and you have properly set the ID of you application in the `Gruntfile.js`



Gruntfile.js

## iOS Configuration

Follow the instructions provided by Ionic and create your PFX (.p12) certificates.

<http://docs.ionic.io/v1.0/docs/push-ios-setup>

Remember to make ionic aware of your development and production certificates:

```
$ ionic push --ios-dev-cert
```

```
$ ionic push --ios-prod-cert
```



## Android Configuration

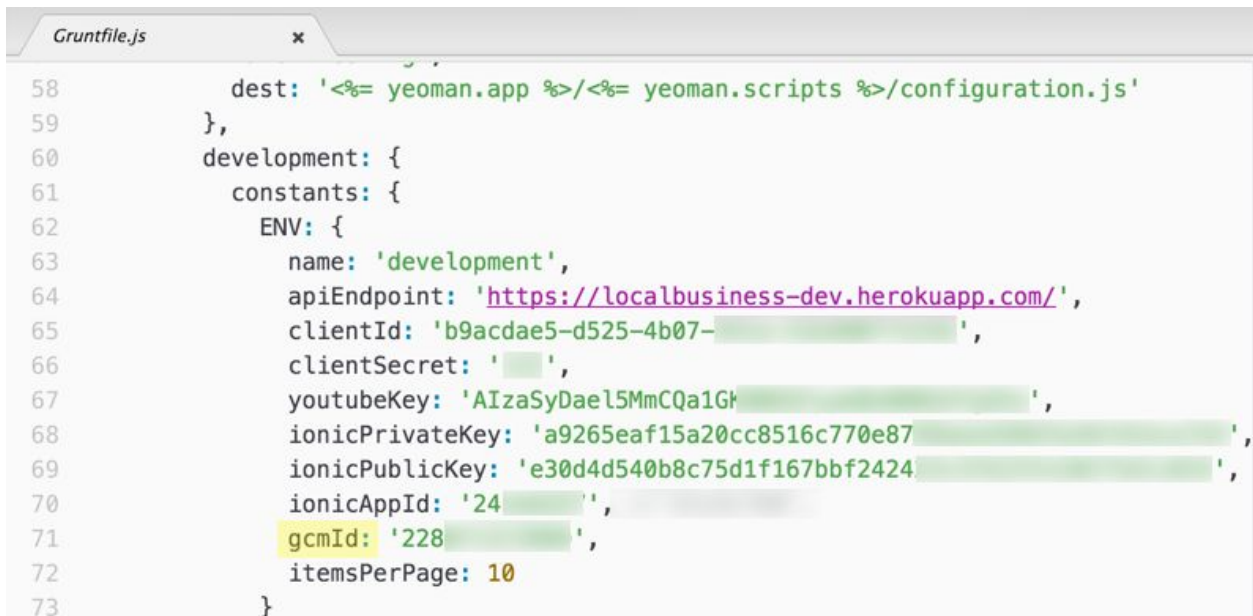
Follow the instructions provided by Ionic and create a Google Console project and the related API key.

<http://docs.ionic.io/v1.0/docs/push-android-setup>

Remember to send the API key to ionic.io:

```
ionic push --google-api-key your-google-api-key
```

Use the number of your project and set it as your “GCM ID” in the `Gruntfile.js`



```
58     dest: '<%= yeoman.app %>/<%= yeoman.scripts %>/configuration.js'
59   },
60   development: {
61     constants: {
62       ENV: {
63         name: 'development',
64         apiEndpoint: 'https://localbusiness-dev.herokuapp.com/',
65         clientId: 'b9acdae5-d525-4b07-[redacted]',
66         clientSecret: '[redacted]',
67         youtubeKey: 'AIzaSyDael5MmCQa1Gk[redacted]',
68         ionicPrivateKey: 'a9265eaf15a20cc8516c770e87[redacted]',
69         ionicPublicKey: 'e30d4d540b8c75d1f167bbf2424[redacted]',
70         ionicAppId: '24[redacted]',
71         gcmId: '228[redacted]',
72         itemsPerPage: 10
73       }
84     }
85   }
86 }
```

Gruntfile.js

## Support

With regard to technical questions, new ideas and suggestions, you may use the following support center and choose the related product:

<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 my YouTube channel.
- [Codecanyon User page](#)  
You may contact me by using my user page on Codecanyon.
- [Titanium Templates Forum](#)  
The Google Group that has been created for this product.
- [Quick Start Guide](#)  
The online version of this document.

## Thank you

**Thank you again** for purchasing this product. If you have any questions that are beyond of the scope of this help file, please feel free to email also via [my user page](#) contact form. --- *Stavros*.