

PROGRESSIVE WEB APPS FOR MAGENTO 2

USER GUIDE

Version: 1.0.2

Release Date: 02.10.2017

Free Download: [Magento 2 PWA](#)

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1. Installation

Download Extension

- Download the extension on the website:
<https://www.tigren.com/product/progressive-web-apps-magento-2>



Unpack Zip File

- After downloading, unpack the extension zip file



Run Following Commands

- `php bin/magento module:enable Tigren_Core`
- `php bin/magento module:enable Tigren_ProgressiveWebApp`
- `composer require redjanym/php-firebase-cloud-messaging`



Upload Files

- Upload all the files from the extension package to the root folder of your Magento installation

2. Module Configuration

Admin Panel => PROGRESSIVE WEB APP => Settings
Or: Admin Panel => STORES => Configuration => TIGREN => Progressive Web App

Configuration

Store View: Default Config ? Save Config

GENERAL ▼ General Settings ⌵

CATALOG ▼

CUSTOMERS ▼

SALES ▼

TIGREN ▲ **Push Notification Settings** ⌵

Progressive Web App

SERVICES ▼

ADVANCED ▼


Enable [store view] Yes Yes No

Choose "Yes" to enable the PWA extension

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2. Module Configuration

Manifest Settings: Set Short Name, Name, Description, URL & Background Color




DASHBOARD
SALES
PRODUCTS
PROGRESSIVE WEB APP
CUSTOMERS
MARKETING
CONTENT
REPORTS
STORES
SYSTEM
FIND PARTNERS & EXTENSIONS

Configuration

- CATALOG
- CUSTOMERS
- SALES
- TIGREN**
 - Progressive Web App
- SERVICES
- ADVANCED

Manifest Settings



Enter Short Name, Name, Description and URL

Short Name [store view]
Tigren
A short name for use as the text on the users home screen.

Name [store view]
Tigren
A name for use in the Web App Install banner.

Description [store view]
Tigren Progressive Web App

Start URL [store view]
https://pwa.tigren.com/
The URL to start at when launching from the home screen shortcut. Relative to the Magento base URL. If you don't provide a start url, the current page is used.

Theme Color [store view]
#112233
The color used to customise the look of the browser. In hex format, e.g. #112233.

Background Color [store view]
#5ddef5
The color used to customise the splash screen when launching from the home screen shortcut. In hex format, e.g. #AABBCC.

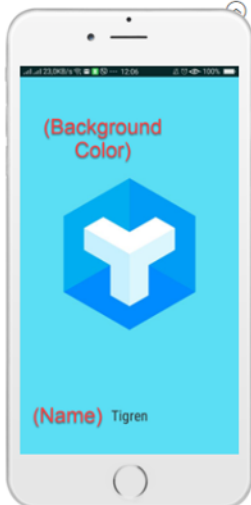
Display Type [store view]
Standalone App
Choose whether the site is launched as a web page or a standalone app when launched from the home screen shortcut.

Screen Orientation [store view]
Any
Choose whether the site launches in portrait or landscape mode when launched from the home screen shortcut.

App Icon [store view]
Choose File No file chosen
Delete Image
An icon to use for splash screen and home screen shortcut. Allowed file types: jpg, jpeg, png, gif.

App Icon Sizes [store view]
48x48,72x72,128x128,256x256,512x512
A space separated list of sizes to allow showing the icon at.


Save Config



Pick a color for the splash page background when opening the PWA

2. Module Configuration

Manifest Settings: Set Theme Color



DASHBOARD

SALES

PRODUCTS

PROGRESSIVE WEB APP

CUSTOMERS

MARKETING

CONTENT

REPORTS

STORES

SYSTEM

FIND PARTNERS & EXTENSIONS

Configuration

CATALOG

CUSTOMERS

SALES

TIGREN

Progressive Web App

SERVICES

ADVANCED

Manifest Settings

Short Name [store view]

Tigren

A short name for use as the text on the users home screen.

Name [store view]

Tigren

A name for use in the Web App Install banner.

Description [store view]

Tigren Progressive Web App

Start URL [store view]

https://pwa.tigren.com/

The URL to start at when launching from the home screen shortcut. Relative to the Magento base URL. If you don't provide a start url, the current page is used.

Theme Color [store view]

#e31277

The color used to customise the look of the browser. In hex format, e.g. #112233.

Background Color [store view]

#5ddef5

The color used to customise the splash screen when launching from the home screen shortcut. In hex format, e.g. #AABBCC.

Display Type [store view]

Minimal UI

Choose whether the site is launched as a web page or a standalone app when launched from the home screen shortcut.

Screen Orientation [store view]

Any

Choose whether the site launches in portrait or landscape mode when launched from the home screen shortcut.

App Icon [store view]

☐ Delete Image


An icon to use for splash screen and home screen shortcut. Allowed file types: jpg, jpeg, png, gif.

App Icon Sizes [store view]


48x48,72x72,128x128,256x256,512x512

A space separated list of sizes to allow showing the icon at.

Save Config



Webpage/ Minimal UI



Standalone App

2. Module Configuration

Manifest Settings (cont.): Choose Display Type

- DASHBOARD
- SALES
- PRODUCTS
- PROGRESSIVE WEB APP
- CUSTOMERS
- MARKETING
- CONTENT
- REPORTS
- STORES
- SYSTEM
- FIND PARTNERS & EXTENSIONS

Configuration

CATALOG

CUSTOMERS

SALES

TIGREN

PROGRESSIVE WEB APP

SERVICES

ADVANCED

Manifest Settings

Short Name

Tigren

A short name for use as the text on the users home screen.

Name

Tigren

A name for use in the Web App Install banner.

Description

Tigren Progressive Web App

Start URL

https://pwa.tigren.com/

The URL to start at when launching from the home screen shortcut. Relative to the Magento base URL. If you don't provide a start url, the current page is used.

Theme Color

The color used to customise the look of the browser. In hex format, e.g. #112233.

Background Color

#5ddef5

The color used to customise the splash screen when launching from the home screen shortcut. In hex format, e.g. #AABBCD.

Display Type

Standalone App

Choose whether the site is launched as a web page or a standalone app when launched from the home screen shortcut.

Screen Orientation

Any

Choose whether the site launches in portrait or landscape mode when launched from the home screen shortcut.

App Icon

Choose File No file chosen

Delete Image

An icon to use for splash screen and home screen shortcut. Allowed file types: jpg, jpeg, png, gif.

App Icon Sizes

48x48,72x72,128x128,256x256,512x512

A space separated list of sizes to allow showing the icon at.

Save Config

Web Page: The application opens in a conventional browser tab or new window, depending on the browser and platform. This is the default.

Minimal UI: The application will look and feel like a standalone application, but will have a minimal set of UI elements for controlling navigation. The elements will vary by browser.

Standalone App: The application will look and feel like a standalone application. This can include the application having a different window, its own icon in the application launcher, etc. In this mode, the user agent will exclude UI elements for controlling navigation, but can include other UI elements such as a status bar.

Fullscreen App: All of the available display area is used and no user agent chrome is shown.

Choose a display type among Web page/ Minimal UI/ Standalone App/ Fullscreen App

2. Module Configuration

Manifest Settings (cont.)

Choose Display Type



Web Page/ Minimal UI




Standalone App



Fullscreen App

2. Module Configuration

Manifest Settings (cont.) Select Screen Orientation & Upload App Icon



DASHBOARD

SALES

PRODUCTS

PROGRESSIVE WEB APP

CUSTOMERS

MARKETING

CONTENT

REPORTS

STORES

SYSTEM

FIND PARTNERS & EXTENSIONS

Configuration

CATALOG

CUSTOMERS

SALES

TIGREN

Progressive Web App

SERVICES

ADVANCED

Manifest Settings

Short Name

Tigren

A short name for use as the text on the users home screen.

Name

Tigren

A name for use in the Web App Install banner.

Description

Tigren Progressive Web App

Start URL

https://pwa.tigren.com/

The URL to start at when launching from the home screen shortcut. Relative to the Magento base URL. If you don't provide a start url, the current page is used.

Theme Color

#112233

The color used to customise the look of the browser. In hex format, e.g. #112233.

Background Color

#5dade2

The color used to customise the splash screen when launching from the home screen shortcut. In hex format, e.g. #AABBCC.

Display Type

Standalone App

Choose whether the site is launched as a web page or a standalone app when launched from the home screen shortcut.

Screen Orientation

Any

Choose whether the site launches in portrait or landscape mode when launched from the home screen shortcut.

App Icon

Choose File No file chosen

Delete Image

An icon to use for splash screen and home screen shortcut. Allowed file types: jpg, jpeg, png, gif.

App Icon Sizes

48x48,72x72,128x128,256x256,512x512

A space separated list of sizes to allow showing the icon at.

Any

Natural

Portrait

Landscape

Upload App Icon displayed on the home screen & splash page (when opening the PWA)

Choose a default screen orientation

2. Module Configuration

Manifest Settings (cont.):

App Icon



2. Module Configuration

Push Notification Settings

The screenshot displays the Tigren Configuration interface. On the left is a vertical sidebar with icons and labels for various modules: DASHBOARD, SALES, PRODUCTS, PROGRESSIVE WEB APP, CUSTOMERS, MARKETING, CONTENT, REPORTS, STORES, SYSTEM, and FIND PARTNERS & EXTENSIONS. The main content area is titled 'Configuration' and includes a search icon, a notification bell with a red '2', and a user profile labeled 'admin'. Below the title bar, there's a 'Store View' dropdown set to 'Default Config' and a 'Save Config' button. A left-hand menu lists modules: GENERAL, CATALOG, CUSTOMERS, SALES, TIGREN (highlighted), Progressive Web App, SERVICES, and ADVANCED. The right-hand pane shows the 'Push Notification Settings' section, which includes a 'General Settings' header, a 'Manifest Settings' section, and a 'Push Notification Settings' section. The 'Push Notification Settings' section contains three input fields: 'Add Firebase to Your Web App' (with a link to <https://console.firebase.google.com>), 'Firebase Cloud Message Server Key' (with a link to <https://console.firebase.google.com>), and 'Your Messaging Sender Id' (with a link to <https://console.firebase.google.com>). Below these is a 'Topic Name' field with a note: 'All clients will be added to this topic name. It should lowercase and no space. Example: tigren'.

Configuration

Store View: Default Config ? Save Config

GENERAL

CATALOG

CUSTOMERS

SALES

TIGREN

Progressive Web App

SERVICES

ADVANCED

General Settings

Manifest Settings

Push Notification Settings

Add Firebase to Your Web App [store view]

Get more information at <https://console.firebase.google.com>.

Firebase Cloud Message Server Key [store view]

Get more information at <https://console.firebase.google.com>.

Your Messaging Sender Id [store view]

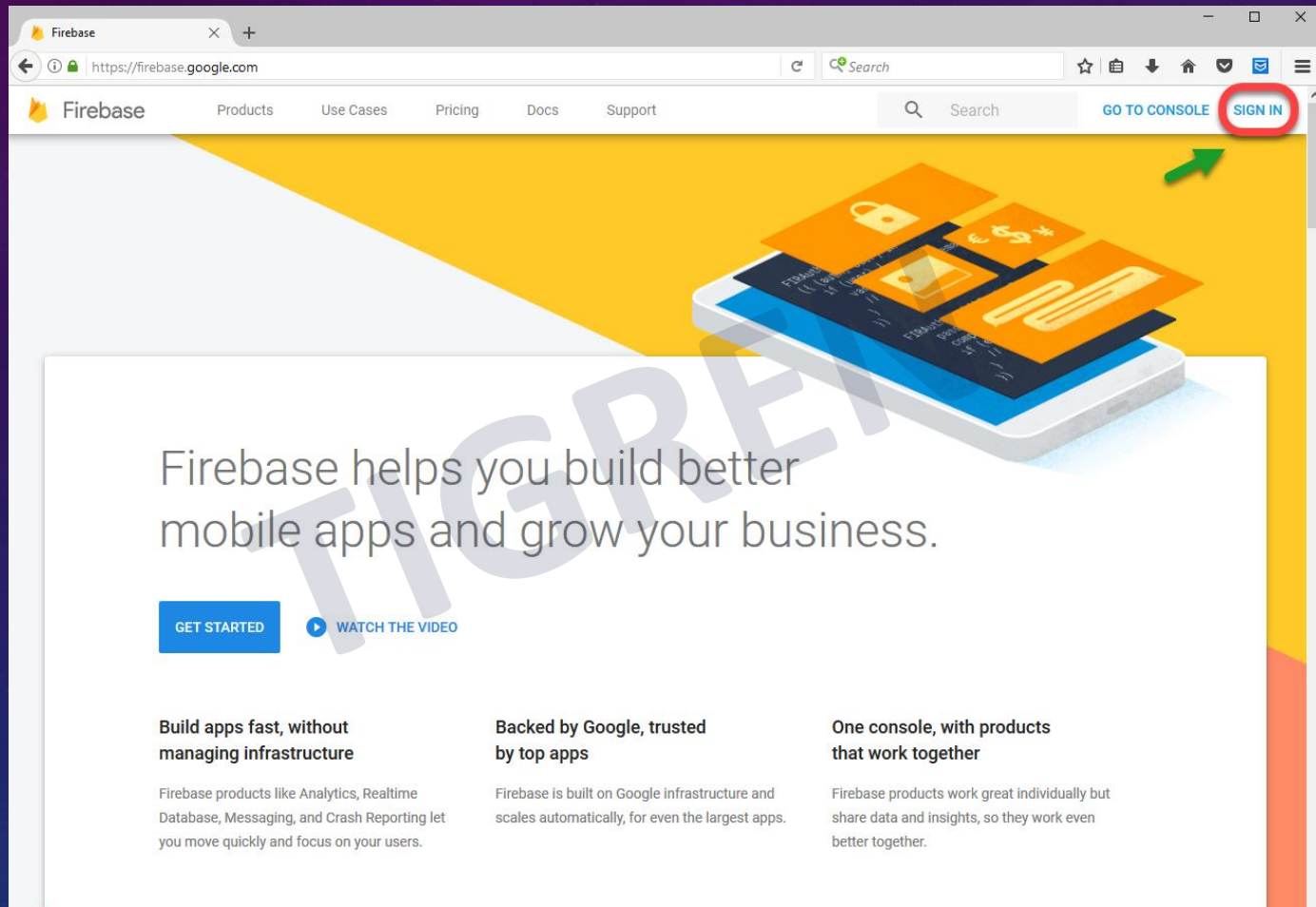
Topic Name [store view]

All clients will be added to this topic name. It should lowercase and no space. Example: tigren

2. Module Configuration

Push Notification Settings: Add Firebase to Your Web App

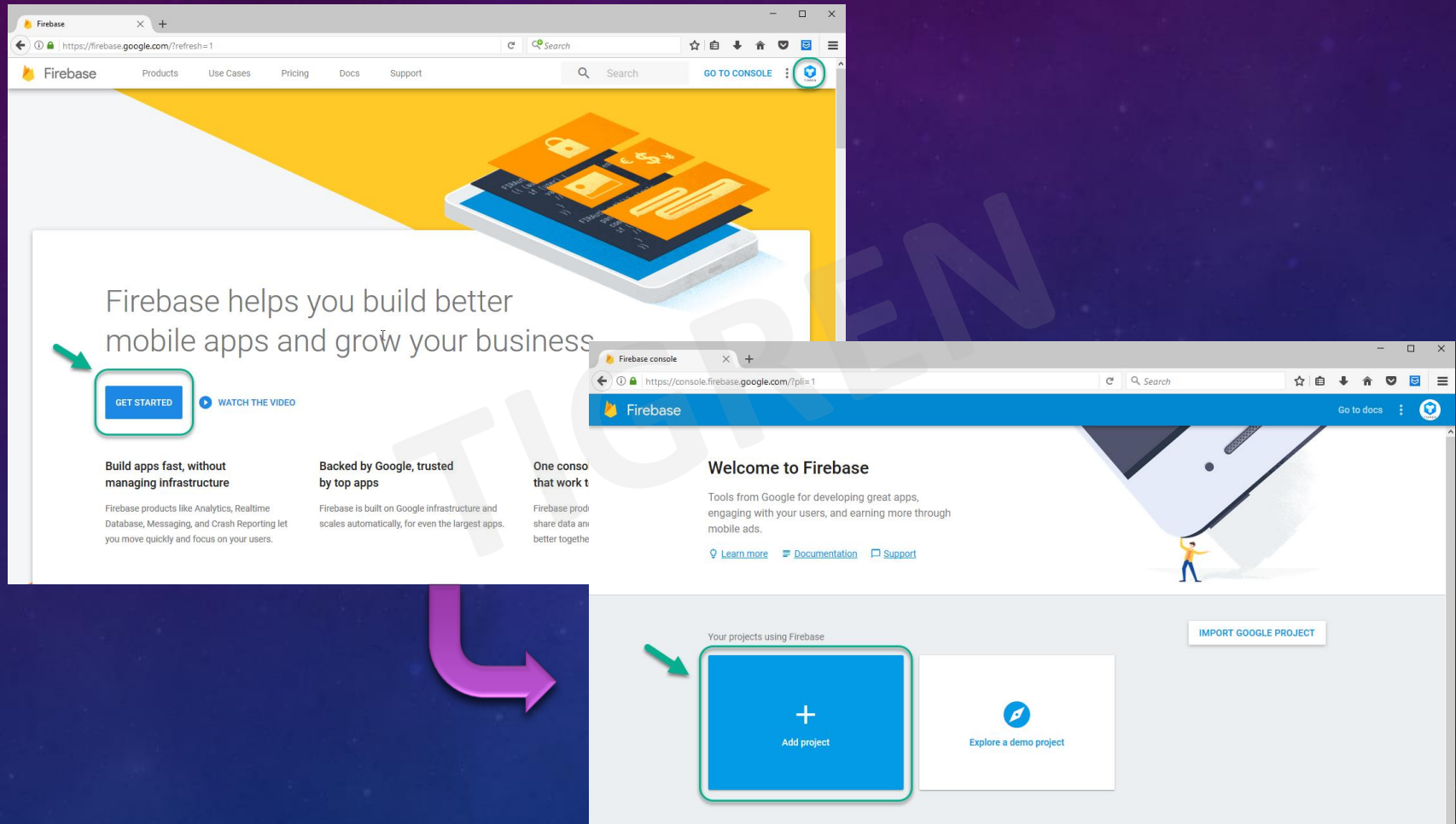
Step 1: Go to the page firebase.google.com and Sign In (You must have a Gmail account)



2. Module Configuration

Push Notification Settings: Add Firebase to Your Web App

Step 2: Add New Project (Click on GET STARTED => Add project)



2. Module Configuration

Push Notification Settings: Add Firebase to Your Web App

Step 3: Create a Project & Add Firebase to your web app

The image shows two overlapping screenshots of the Firebase console. The background screenshot shows the 'Welcome to Firebase' page with a sidebar menu on the left containing options like Analytics, Authentication, Database, Storage, Hosting, Functions, Test Lab, Crash Reporting, Performance, Notifications, Remote Config, Dynamic Links, and AdMob. The foreground screenshot is a 'Create a project' dialog box. It has a 'Project name' field with 'PWA for Magento 2' entered, a 'Project ID' field with 'pwa-for-magento-2', and a 'Country/region' dropdown set to 'United States'. A yellow callout bubble points to the 'Project name' field with the text 'Add project name & choose your country'. Below the form are 'CANCEL' and 'CREATE PROJECT' buttons. A large purple arrow points from the 'CREATE PROJECT' button to the 'Add Firebase to your web app' button in the background screenshot. The background screenshot also shows the 'Add Firebase to your web app' button highlighted with a green box and a green arrow.

2. Module Configuration

Push Notification Settings: Add Firebase to Your Web App & Messaging Sender Id

Step 4: Copy the snippet in Firebase & paste it to **Add Firebase to Your Web App** (green)

Copy **messagingSenderId** number & paste it to **Your Messaging Sender Id** (red)

The image shows two screenshots from the Firebase console. The left screenshot displays the 'Add Firebase to your web app' dialog box, which contains a code snippet for initializing Firebase. A green arrow points to the 'COPY' button, and a red circle highlights the 'messagingSenderId' value '152410206490'. The right screenshot shows the 'Push Notification Settings' page, where the same code snippet is pasted into the 'Add Firebase to Your Web App' field (highlighted with a green box). The 'Your Messaging Sender Id' field is also highlighted with a red box and contains the value '152410206490'. A large purple arrow points from the 'COPY' button in the left screenshot to the 'Your Messaging Sender Id' field in the right screenshot.

```
<script src="https://www.gstatic.com/firebasejs/4.4.0/firebase.js"></script>
<script>
  // Initialize Firebase
  var config = {
    apiKey: "AlzaSyB1kh0rAxdzZY7-D1EmkMF0D4vvC6MJZ8",
    authDomain: "pwa-for-magento-2.firebaseio.com",
    databaseURL: "https://pwa-for-magento-2.firebaseio.com",
    projectId: "pwa-for-magento-2",
    storageBucket: "pwa-for-magento-2.appspot.com",
    messagingSenderId: "152410206490"
  };
  firebase.initializeApp(config);
</script>
```

Push Notification Settings

Add Firebase to Your Web App [store view]

```
// Initialize Firebase
var config = {
  apiKey:
    "AlzaSyA4MKlIQK9AftGvNF5vj1AjcVfUxg
    yorA",
  authDomain:
    "pwa-for-magento-2.firebaseio.com",
  databaseURL:
    "https://pwa-for-magento-2.firebaseio.com",
  projectId: "pwa-for-magento-2",
  storageBucket: "pwa-for-magento-2.appspot.com",
  messagingSenderId: "152410206490"
};
firebase.initializeApp(config);
```

Firebase Cloud Message Server Key [store view]

Your Messaging Sender Id [store view] 152410206490

Topic Name [store view]

All clients will be added to this topic name. It should lowercase and no space. Example: tigen

2. Module Configuration

Push Notification Settings: Firebase Cloud Message Server Key

Step 5: Copy the **Server Key** in Firebase & paste it to the field in the configuration.

Project settings

Cloud Messaging

Configuration

Push Notification Settings

Firestore Cloud Message Server Key

Click here to copy

Paste to Firebase Cloud Message Server Key field

2. Module Configuration

Push Notification Settings: Topic name

Add Topic Name & Save Config

The screenshot displays the Tigren Configuration interface. On the left is a sidebar with navigation icons for Dashboard, Sales, Products, Progressive Web App, Customers, Marketing, Content, Reports, Stores, and System. The main area is titled 'Configuration' and features a 'Save Config' button in the top right corner. A left-hand menu lists various configuration categories: GENERAL, CATALOG, CUSTOMERS, SALES, TIGREN (selected), Progressive Web App, SERVICES, and ADVANCED. The 'Push Notification Settings' section is active, showing options to add Firebase to a web app, set the Firebase Cloud Message Server Key, and define the Messaging Sender Id and Topic Name. A red callout bubble points to the 'Topic Name' field, which is currently set to 'tigren', with the instruction: 'Enter the name for group of customers who accept to receive notifications'. The 'Topic Name' field also includes a note: 'All clients will be added to this topic name. It should lowercase and no space. Example: tigren'.

Configuration Save Config

GENERAL ▼ **General Settings** ⌵

CATALOG ▼ **Manifest Settings** ⌵

CUSTOMERS ▼ **Push Notification Settings** ⌵

SALES ▼

TIGREN ⌴

Progressive Web App

SERVICES ▼

ADVANCED ▼

Add Firebase to Your Web App [store view]

```
// Initialize Firebase
var config = {
  apiKey:
    "AlzaSyA4MKliQK9AFrtGvNFSvj1AjcVfUxg
    yorA",
  authDomain:

```

Get more information at <https://console.firebase.google.com>.

Firebase Cloud Message Server Key [store view]

AAAAASnU9OcU:APA91bF84brxfhd8jPvnir412

Get more information at <https://console.firebase.google.com>.

Your Messaging Sender Id [store view]

319794526661

Topic Name [store view]

tigren

All clients will be added to this topic name. It should lowercase and no space. Example: tigren

Enter the name for group of customers who accept to receive notifications

3. Push Notification Settings

Admin Panel => PROGRESSIVE WEB APP => Manage Notifications

The screenshot displays the Tigren Admin Panel interface. On the left, a dark sidebar contains a vertical menu with icons and labels for various sections: DASHBOARD, SALES, PRODUCTS, PROGRESSIVE WEB APP (highlighted with a red circle), CUSTOMERS, MARKETING, CONTENT, REPORTS, STORES, SYSTEM, and FIND PARTNERS & EXTENSIONS. The main content area is titled 'Progressive Web App' and features a sub-menu with 'Manage Notifications' (highlighted with a red circle) and 'Settings'. The 'Manage Notifications' page shows a yellow header bar with 'System Messages: 1' and a search icon. Below this, there's a 'Reload Data' button. The main content area displays a message: 'Chart is disabled. To enable the chart, click [here](#).' Below this message, there's a table with four columns: Revenue (\$0.00), Tax (\$0.00), Shipping (\$0.00), and Quantity (0). At the bottom, there's a section for 'Total' with two rows: \$32.00 and \$29.00. A message at the bottom of the table states: 'We couldn't find any records.'

Revenue	Tax	Shipping	Quantity
\$0.00	\$0.00	\$0.00	0

Bestsellers	Most Viewed Products	New Customers	Customers
We couldn't find any records.			

Total
\$32.00
\$29.00

3. Push Notification Settings

Create New Notification

System Messages: ! 1

Manage Notifications

Search by keyword

Actions 2 records found

ID	Title	Body
1	Download Free PWA for Magento 2	Let's download Progressive at Tigren to bring the best to your customers!
3	M2 Progressive Web Apps	Free Download At Tigren

20 per page 1 of 1

Add New Notification

System Messages: ! 1

New

Back Reset Save and Continue Edit **Save Notification**

INFORMATION

Notification

17:25
Thursday, September 28
VN MOBILEPHONE | Viettel

(Icon)
M2 Progressive Web Apps (Title)
Free Download At Tigren (Body)

Title * M2 Progressive Web Apps

Body * Free Download At Tigren

Target Url * <https://tigren.com/progressive-web-apps-magento-2>

Icon

tigren2.png
590x512

Add the Title and Body of the message appearing the notification

Upload the icon displayed in the notification


Add the URL where the customers are moved to after clicking on the notification

Add Title, Body, URL & Upload Icon

3. Push Notification Settings

Send Notification

Click on the **Send Notification** button to send the notification instantly to the customer list.



DASHBOARD

SALES

PRODUCTS


PROGRESSIVE WEB APP

CUSTOMERS




MARKETING

CONTENT


REPORTS

System Messages:  1

Manage Notifications



 admin

Add New Notification



Filters

Default View



Columns

Actions

2 records found

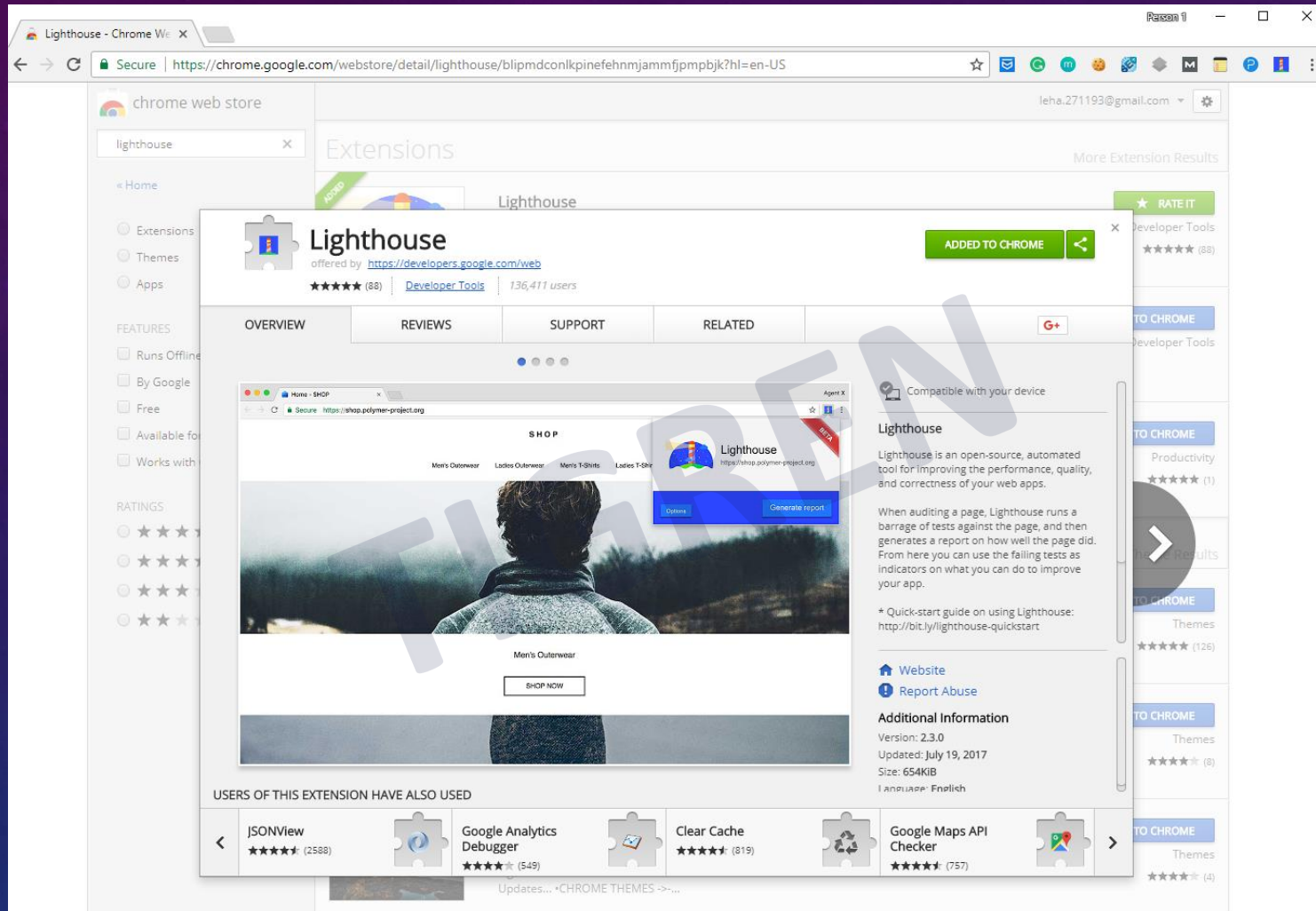
20 per page

1 of 1

	ID ↓	Title	Body	Target Url	Icon	Created At	Modified	Action	Action
<input type="checkbox"/>	1	Download Free PWA for Magento 2	Let's download Progressive Web Apps at Tigren to bring the best experience to your customers!	https://tigren.com/progressive-web-apps-magento-2		Sep 25, 2017 6:16:51 AM	Sep 28, 2017 10:05:31 AM	Edit	Send Notification
<input type="checkbox"/>	3	M2 Progressive Web Apps	Free Download At Tigren	https://tigren.com/progressive-web-apps-magento-2		Sep 28, 2017 10:21:54 AM	Sep 28, 2017 10:22:36 AM	Edit	Send Notification

4. Test PWA Performance

Download **Lighthouse** Extension & Add it to your Chrome



4. Test PWA Performance

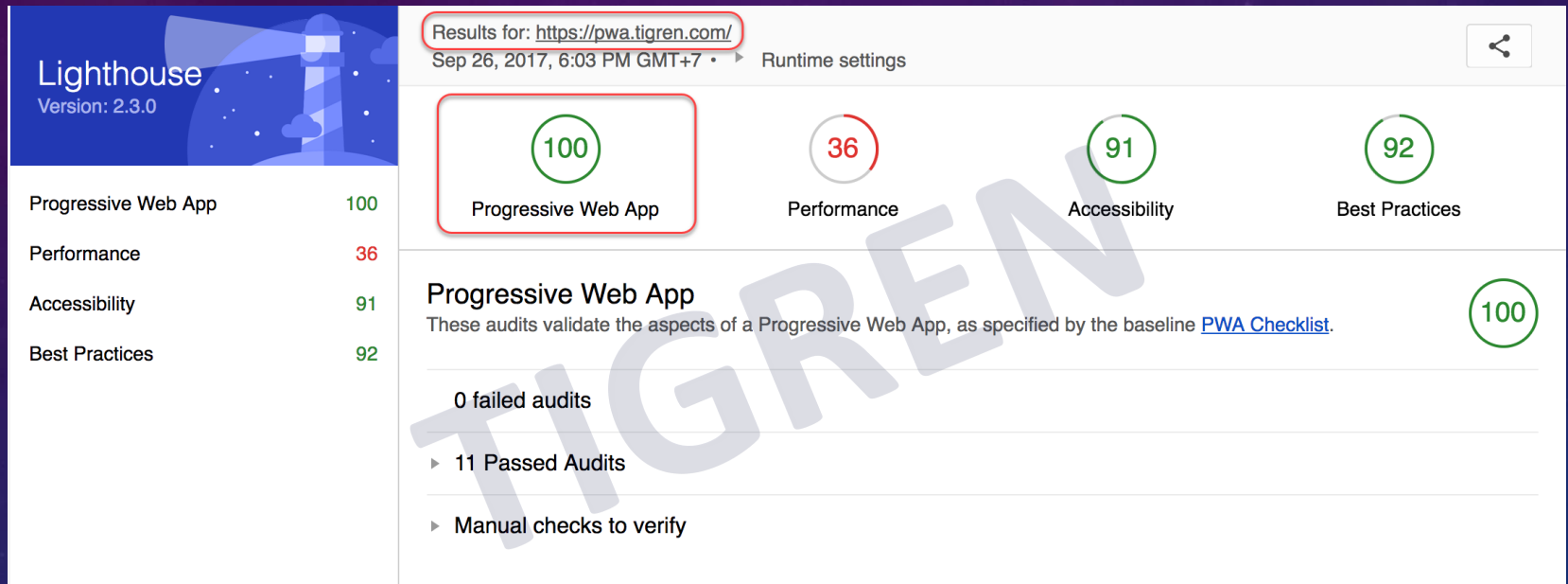
Go to your PWA page => Lighthouse => Generate Report

The screenshot shows a web browser window with the address bar displaying "Secure | https://pwa.tigren.com". The page content features a "Hot Sellers" section with the text "Here is what's trending on Luma right now". Below this, there are five product listings, each with an image, name, price, and an "Add to Cart" button. The products are: Fusion Backpack (\$59.00), Push It Messenger Bag (\$45.00), LifeLong Fitness IV (\$14.00), Hero Hoodie (\$54.00), and Argus All-Weather Tank (\$22.00). A Lighthouse audit overlay is visible in the top right corner, showing the Lighthouse logo and the URL "https://pwa.tigren.com". The overlay has two buttons: "Options" and "Generate report". A red arrow points to the "Generate report" button. The browser's developer tools are open, and the Lighthouse icon in the top right corner of the browser window is circled in red.

Product Name	Price	Add to Cart
Fusion Backpack	\$59.00	Yes
Push It Messenger Bag	\$45.00	Yes
LifeLong Fitness IV	\$14.00	Yes
Hero Hoodie	\$54.00	Yes
Argus All-Weather Tank	\$22.00	Yes

4. Test PWA Performance

Check the results



5. Customization

FREE PROGRESSIVE WEB APP for Magento 2 is 100% open source and provided under **General Public License** (<http://www.gnu.org/licenses/gpl.html>).

You are allowed to customize the module to meet your requirements.

6. Customer Support

Should you have any questions or feature suggestions, please submit a support ticket at: <https://www.tigren.com/support/>

We're glad to here your feedback!