

Write Cloud Function to Send Notification Messages to Mobile App Users Using Firebase Cloud Messaging

Firebase Cloud Messaging (FCM) is a cross-platform messaging solution that lets you reliably deliver messages at no cost. In this guide, we'll show you how to write a Cloud Function that will send notification messages to your mobile app users using the Firebase Admin SDK.



Cloud Messaging - Monitor for data change and notify client app: Write a cloud function to send notification messages to mobile app users using Firebase Cloud Messaging

by Stephen A. Mitchell

★★★★☆ 4.9 out of 5

Language	: English
File size	: 891 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 13 pages
Lending	: Enabled



Prerequisites

- A Firebase project
- The Firebase Admin SDK
- A mobile app that is integrated with FCM

Create a Cloud Function

1. Open the Firebase console and go to the Functions section.
2. Click on the "Create Function" button.
3. Select the "HTTP" trigger.
4. Enter a name for your function.
5. Click on the "Deploy" button.

Install the Firebase Admin SDK

1. Open your terminal and run the following command:

```
npm install firebase-admin
```

2. Once the installation is complete, you can import the Firebase Admin SDK into your Cloud Function.

Write the Cloud Function

```
javascript const functions = require('@google-cloud/functions-framework');  
const admin = require('firebase-admin');
```

```
admin.initializeApp();
```

```
const messaging = admin.messaging();
```

```
functions.http('sendNotification', async (req, res) => { const { token, title,  
body }= req.body;
```

```
const message = { token, notification: { title, body }};
```

```
await messaging.send(message);
```

```
res.sendStatus(200); });
```

Deploy the Cloud Function

1. Open your terminal and run the following command:

```
firebase deploy --only functions
```

2. Once the deployment is complete, your Cloud Function will be live and will be triggered whenever a POST request is made to the URL of your function.

Test the Cloud Function

1. Open your mobile app and make sure that it is connected to the internet.
2. Open your browser and go to the URL of your Cloud Function.
3. Enter the token of your device, the title of the notification, and the body of the notification.
4. Click on the "Send" button.

If everything is set up correctly, you should receive a notification on your mobile app.

In this guide, we showed you how to write a Cloud Function that will send notification messages to your mobile app users using the Firebase Admin SDK. We also provided you with a complete code example and instructions on how to deploy and test your function.



Cloud Messaging - Monitor for data change and notify client app: Write a cloud function to send notification messages to mobile app users using Firebase Cloud

Messaging by Stephen A. Mitchell

★★★★☆ 4.9 out of 5

Language : English
File size : 891 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 13 pages
Lending : Enabled



How to Get a Woman to Pay for You: A Comprehensive Guide to Strategies, Considerations, and Success

In the modern dating landscape, navigating financial dynamics can be a delicate subject. However, with careful consideration and open communication,...



Principles and Theory for Data Mining and Machine Learning by Springer

Data mining and machine learning are two of the most important and rapidly growing fields in computer science today. They are used in a wide variety of applications, from...