

Testing FCM Push Notification service

Overview

To test Firebase Cloud Messaging (FCM) push notifications in GATE, you'll need two essential components:

- **Firestore API Key** (obtainable from the FCM console)
- **Device registration IDs** where notifications will be sent

This guide walks you through the complete testing process within GATE's interface.

Prerequisites





Before beginning, ensure you have:

- Valid Firestore API key from your FCM console
- Target device registration IDs for testing
- Administrative access to GATE's Settings menu

Step-by-Step Testing Process

Step 1: Access Push Notification Service

1. Navigate to the **Settings** main menu
2. Select the **Services** sub-menu

-  ORGANIZATION <
-  SETTINGS ▾
- Sites & domains
- Services
- Service types
- Service classes
- Parameters
- Lists
-  TOOLS <
-  USER LOG

<input type="checkbox"/>	Colima registration	-
<input type="checkbox"/>	Compulab ZD UAM integration	
<input type="checkbox"/>	Comunidad RADIUS authentication	-
<input type="checkbox"/>	Comunidad RADIUS CoA message	-
<input type="checkbox"/>	Comunidad WAG BW	
<input type="checkbox"/>	Comunidad WiFi authentication	
<input type="checkbox"/>	Comunidad WiFi registration	-


1





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3

4

306 services

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1 2 3 4 306 services

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3. Search for `push` in the services list
4. Click on **Push notification**

push 1 result (306 total)

Delete selected services Duplicate Export with dependencies

0 of 1 selected

<input type="checkbox"/>	Name	Short-name / code	Type	Class	Organization	Description
<input type="checkbox"/>	<u>Push Notification</u>	push-notification	Firebase Cloud Messaging	API services	Zequenze	

1 service

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1 service

Step 2: Configure API Key

1. On the Push Notification Service screen, enter your Firebase **API key**
2. Click the **Save and continue editing** button to save your configuration

Fcm message parameters

url

api key

Save and continue editing Save and add another << Go to services

Fcm message parameters

url

api key

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Fcm message parameters

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Save and continue editing Save and add another << Go to services

Step 3: Access Service Test Interface

Click on the **Service test** tab at the top of the Push Notification Service screen to access the testing interface.

Service settings Service test Raw settings

General settings

Name:

Service settings Service test Raw settings

General settings

Name:

Service settings Service test Raw settings

General settings

Name:

Service settings Service test Raw settings

General settings

Name:

Step 4: Configure Test Notification

Fill in the following required fields:

- **Title:** The notification headline
- **Body:** The main notification message
- **Click action:** Action to perform when notification is tapped
- **Registration IDs:** Target device registration IDs

Once all fields are completed, click the **Proceed** button to send the test notification.

Fcm message parameters test ^

title

body

click action

sound

badge

registration ids

Fcm message parameters test ▲

title	<input type="text" value="Test Notification"/>
body	<input type="text" value="Test notification body"/>
click action	<input type="text" value="izzlconnect"/>
sound	<input type="text"/>
badge	<input type="text"/>
registration ids	<input type="text"/>

Proceed » « Go to services

Fcm message parameters test ▲

title	<input type="text" value="Test Notification"/>
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registration ids	<input type="text"/>

Proceed » « Go to services

Step 5: Verify Results

If everything went ok and the test is successful:

- Results will be shown on the lower right corner of the interface
- The notification should be delivered to the specified device(s)

```
Details: {'sent': {'data': {'click_action': 'izzi',
'title': 'Test Notification', 'badge': 1,
'sound': 'default', 'body': 'check this out'},
'url':
'https://fcm.googleapis.com/fcm/send',
'headers': {}}, 'recvd': {'failure': 0, 'results':
[{'message_id': '1585951043580885'}],
'success': 1, 'canonical_ids': 0,
'multicast_id': 266558323832052562},
'http_code': 200}
```

Result: ✔ **h200**
srv: Ok

GATE admin portal (dev) v1.1.5_1c6fb228-dev

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Result: ✔ **h200**
srv: Ok

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```

Result: ✔ **h200**
srv: Ok

GATE admin portal (dev) v1.1.5_1c6fb228-dev

Troubleshooting

If notifications fail to deliver, verify:

- API key is correctly entered and valid
- Registration IDs are current and properly formatted
- Device connectivity and FCM service availability

