



FCM NOTIFICATION EXTENSION

Description

Firebase Cloud Messaging, formerly known as Google Cloud Messaging, is a cross-platform cloud solution for messages and notifications for Android, iOS, and Web applications, which currently can be used at no cost. The service is provided by Firebase, a subsidiary of Google. It will give you the luxury to inform your user in real time about the new email, task, activity or any other data to get notified. It works on the principle of down streaming messages from FCM servers to user's app and upstream messages from user's apps to FCM servers.

This extension can be used to send Push Notifications to the registered iOS, Android, Web(Javascript), C++ and Unity applications with the help of Firebase Cloud Messaging. After installing the module you can generate FCM Notifications based on Odoo Partners. This module works with an external python library "pyfcm"

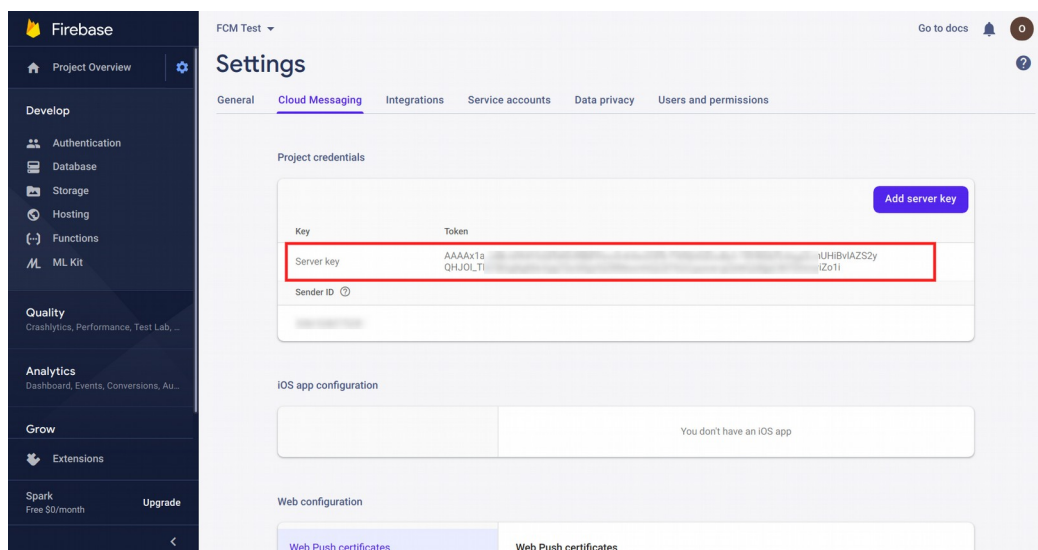
Screenshots (Files)

How to use

```
41 record.partner_id.generate_fcm_notification(message_title='Need Approval',
42                                           message_body='You have a new request to approve')
```

Firebase Configuration

Please refer [Firebase Cloud Messaging](#) for getting the FCM Server Key





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Odoo Backend Configuration

The screenshot shows the Odoo Settings interface. The top navigation bar includes 'Settings', 'Dashboard', 'Users & Companies', 'Translations', and 'General Settings'. The user is logged in as 'Mitchell Admin'. The left sidebar contains various modules: Sales, Invoicing, Payroll, Project, Timesheets, Employees, and General Settings. The main content area is titled 'Settings' and has a search bar. Below the search bar are 'Save' and 'Discard' buttons. The 'FCM Notifications' section is highlighted with a red box. It contains a 'Configuration' subsection with the text 'Set the Firebase Cloud Messaging Server Key' and a 'Server Key' input field. A red arrow points to the 'FCM Testing' link below the input field. Other sections visible include 'Business Documents' (Format: A4, Document Template) and 'Discuss' (Activities, External Email Servers).

Quick Testing

The screenshot shows the 'Quick Testing' interface in the Odoo Settings. The top navigation bar is the same as in the previous screenshot. The user is logged in as 'Mitchell Admin'. The main content area is titled 'YourCompany, Mitchell Admin' and has 'Save' and 'Discard' buttons. A note at the top states: 'Please Note that this partner should have a valid device registration token'. Below the note are three input fields: 'Partner' (set to 'YourCompany, Mitchell Admin'), 'Message Title' (set to 'New MESAAGE'), and 'Message Body' (set to 'New notification for you'). A 'Test' button is located at the bottom left of the form, with a red arrow pointing to it.

Please note that this will work only if you configured registration token against the corresponding partner as explained in the next step



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Partner Configuration

The screenshot shows the Odoo Contacts configuration page for 'Mitchell Admin'. The page is divided into several sections:

- Header:** 'Contacts' and 'Configuration' tabs, with 'Configuration' selected. User 'Mitchell Admin' is logged in.
- Navigation:** 'Save' and 'Discard' buttons.
- Form Fields:**
 - Address:** 215 Vine St, Street 2..., Scranton, Pennsylvania (U:), 18503, United States, GSTIN: e.g. BE0477472701
 - Job Position:** e.g. Sales Director
 - Phone:** +1 555-555-5555
 - Mobile:** (empty)
 - Email:** admin@yourcompany.example.com
 - Website:** e.g. https://www.odoo.com
 - Title:** (empty)
 - Language:** English
 - Tags:** Tags...
- FCM Device Tokens:** A tab labeled 'FCM Device Tokens' is active, showing a 'Token' field with a long alphanumeric string: dxY4P0SgOHX_hj0PLkp4_M...vZK20JT. Below it is an 'Add a line' button.

Device Registration Token can be generated based on your end point technology (Web, Android, iOS, etc.). The method is different for different technologies. For more details, please go through [Firebase Cloud Messaging](#). You can find the documentation for different technologies separately.

Technical Requirements / Compatible With:

Technical Requirements: Odoo , Python library - pyfcm

Compatible with ODOO version 10, 11, 12, 13,14,15 and 16

Change Log / Release Note

New extension for FCM Notifications