

របៀបប្រើ Push Notification នៅក្នុង Firebase

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- គ្រប់ App ទាំងអស់គឺសុទ្ធតែប្រើ Push Notification សំរាប់ផ្តល់ជាដំណឹងអោយអ្នកប្រើ ឃើញព័ត៌មានអ្វី មួយ ហើយក៏ជាយាន្តមួយដែលទាក់ទាញអ្នកប្រើអោយ ចូលប្រើកម្មវិធីរបស់យើងកាន់តែញឹកញ៉ាប់ផងដែរ។
- ក្នុង Firebase យើងអាចប្រើ Firebase Cloud
 Messaging (FCM) សំរាប់ Push Notification បា
 ន។ គួរបញ្ហាក់ផងដែរថា សេវានេះគឺវាផ្ដល់អោយយើង
 ប្រើដោយមិនគិតថ្លៃ (ក្នុងចំនួនកំណត់ដំបូង)។





សំរាប់ Android (1)

1. ដាក់ firebase_messaging dependency៖

```
dependencies:
   firebase_messaging: ^5.1.8
```

2. សំរាប់ Android, គឺដាក់កូដខាងក្រោមចូលក្នុងAndroidManifest.xml៖

```
15
            <application
                android:name="io.flutter.app.FlutterApplication"
16
17
                android:label="fcm_notifications"
18
                android:icon="@mipmap/ic launcher">
19
20
                    android:name=".MainActivity"
21
                    android:launchMode="singleTop"
                    android: theme="@style/LaunchTheme"
23
                    android:configChanges="orientation|keyboardHidden|keyboard|screenSize|locale|layo
24
                    android:hardwareAccelerated="true"
25
                    android:windowSoftInputMode="adjustResize">
26
                    <!-- This keeps the window background of the activity showing
27
                         until Flutter renders its first frame. It can be removed if
28
                         there is no splash screen (such as the default splash screen
29
                         defined in @style/LaunchTheme). -->
30
31
                        android:name="io.flutter.app.android.SplashScreenUntilFirstFrame"
32
                        android:value="true" />
                    <intent-filter>
33
34
                        <action android:name="android.intent.action.MAIN"/>
35
                        <category android:name="android.intent.category.LAUNCHER"/>
36
                    </intent-filter>
37
                    <intent-filter>
38
                        <action android:name="FLUTTER NOTIFICATION CLICK" />
39
                        <category android:name="android.intent.category.DEFAULT" />
40
                    </intent-filter>
41
                </activity>
            </application>
42
43
        </manifest>
```



សំរាប់ Android (2)

3. បង្កើត Application.java ដាក់ក្នុង folder android/src/main/java៖

```
package io.flutter.plugins.firebasemessagingexample;
import io.flutter.app.FlutterApplication;
import io.flutter.plugin.common.PluginRegistry;
import io.flutter.plugin.common.PluginRegistry.PluginRegistrantCallback;
import io.flutter.plugins.GeneratedPluginRegistrant;
import io.flutter.plugins.firebasemessaging.FlutterFirebaseMessagingService;
public class Application extends FlutterApplication implements PluginRegistrantCallback {
    @Override
    public void onCreate() {
        super.onCreate();
        FlutterFirebaseMessagingService.setPluginRegistrant(this);
    @Override
    public void registerWith(PluginRegistry registry) {
        GeneratedPluginRegistrant.registerWith(registry);
```

4. រួចដាក់កូដខាងក្រោមក្នុង AndroidManifest.xml៖

```
<application android:name=".Application" ...>
```



សំរាប់ Android (3)

5. import #

```
import 'dart:io';
import 'package:firebase_messaging/firebase_messaging.dart';
```

6. ក្នុងកូដ Dart របស់យើង ចូរបង្កើត method មួយខាងក្រោម៖

```
Future<dynamic> myBackgroundMessageHandler(Map<String, dynamic> message) {
   if (message.containsKey('data')) {
      // Handle data message
      final dynamic data = message['data'];
   }
   if (message.containsKey('notification')) {
      // Handle notification message
      final dynamic notification = message['notification'];
   }
   // Or do other work.
}
```



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7. ដាក់ខាងក្រោម៖

```
FirebaseMessaging firebaseMessaging();
@override
void initState() {
  super.initState();
  firebaseCloudMessaging Listeners();
void firebaseCloudMessaging Listeners() {
  if (Platform.isIOS) iOS_Permission();
  firebaseMessaging.getToken().then((token){
   print(token);
 }):
  firebaseMessaging.configure(
    onMessage: (Map<String, dynamic> message) async {
      print('on message $message');
   },
    onResume: (Map<String, dynamic> message) async {
      print('on resume $message');
   }.
   onLaunch: (Map<String, dynamic> message) async {
      print('on launch $message');
   },
```



សំរាប់ Android (5)

8. និងកូដខាងក្រោម៖



សំរាប់ iOS (1)

ការ Push Notification សំរាប់ iOS វិញ គឺមានការកែប្រែសំរាប់ XCode ចាប់ពី version 11 ឡើងទៅ។ វាទាមទារអោយយើងត្រូវតែទិញ Developer Account 99\$ សិន ទើបវាអោយមាន Push Notification។

9. ឧបមាថាយើងទិញ Developer Account ហើយ គឺគ្រាន់តែចូល XCode ហើយចុចយក Capacities -> Push Notification៖

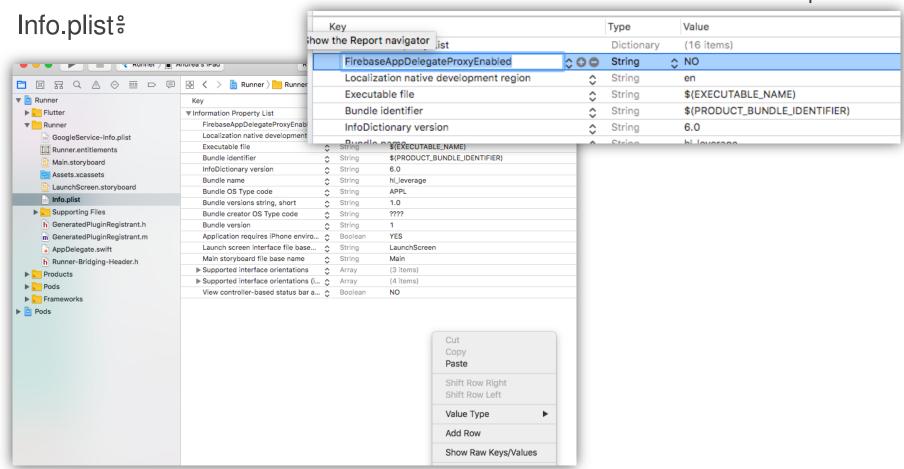
▼ Push Notifications		ON
Steps:	 ✓ Add the Push Notifications feature to your App ID ✓ Add the Push Notifications entitlement to your entitlements file 	





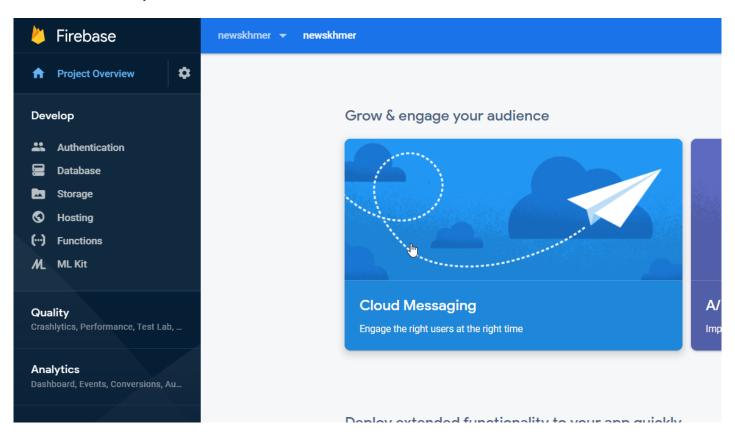
សំរាប់ iOS (2)

10. យើងដាក់បន្ថែម FirebaseAppDelegateProxyEnabled តំលៃ No នៅក្នុង



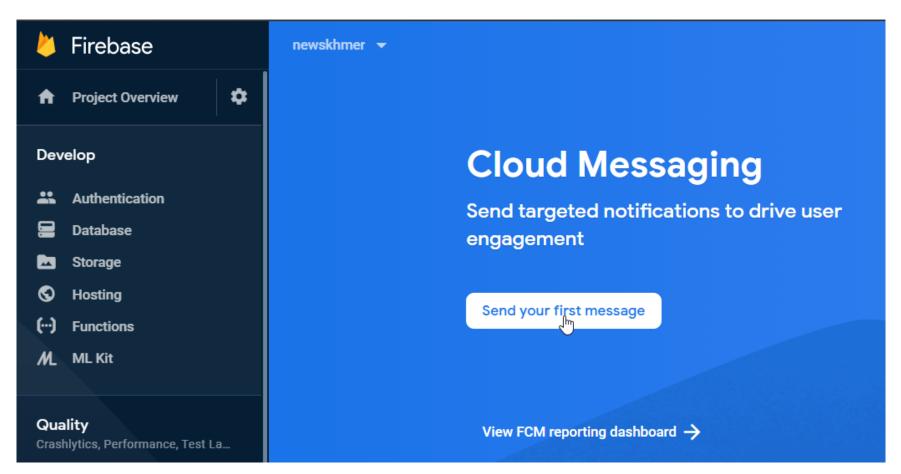


11. យើងចូលក្នុង Firebase ហើយចុចចូល Cloud Messanding៖



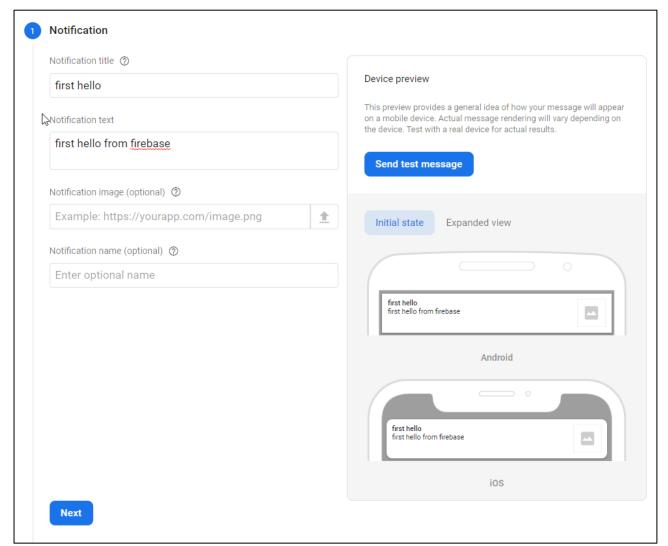


12. បន្ទាប់មក យើងចុច send your first message៖



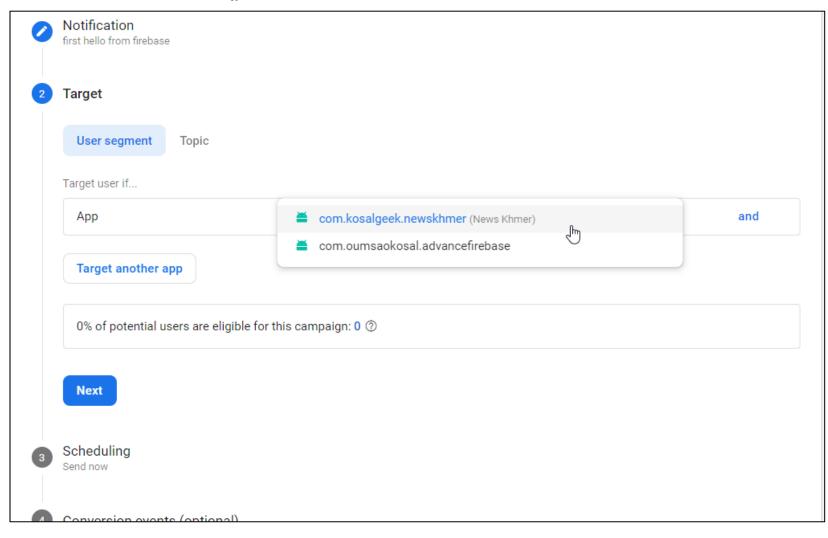


13. បំពេញអក្សរដើម្បីសាកល្បងផ្ញើរ៖



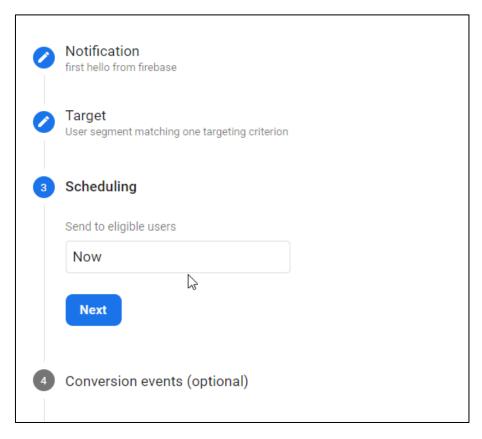


14. រើសយក App ណាមួយ៖



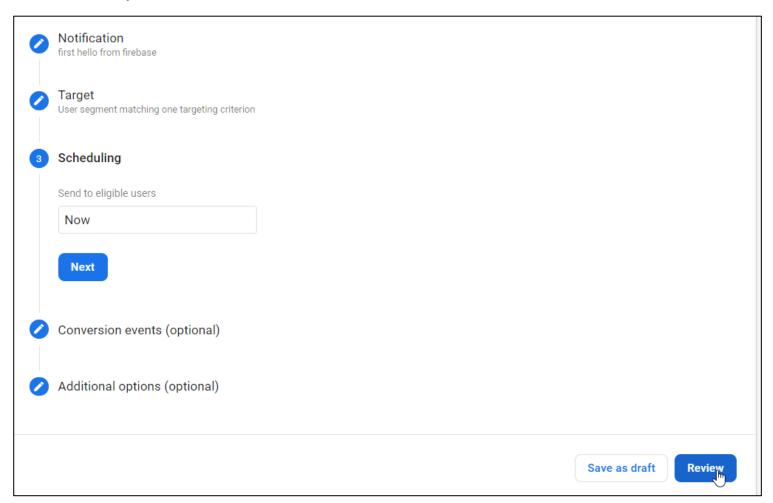


15. រើសយក schedule: Now



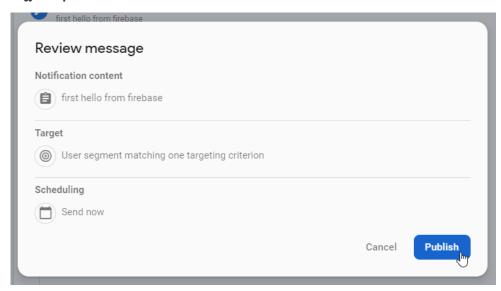


16. ហើយចុច Review





17. រួបចុប Publish



18. វានឹងផ្ទាំងនេះ៖

