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Help Center > BeDrive Mobile App > Push Notifications > Article

CONTENTS

Push Notificat ions and Google Signin on Android

This guide provides a step-by-step guide for creating a new firebase project and integrating it into your app. This is required in order to get push notifications and google signin functionality working.
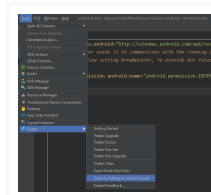
Generating SHA-1

required in order to
connect your
firebase project to
your app and enable
some advanced
functionality like
google signin.

1. While in android
   studio click
   **tools -> flutter ->
   Open for Editing
   in Android
   Studio**, this will
   open *android*
   folder of the app
   in android
   studio. **This is
   very important,
   next steps will
   not work
   otherwise.**

2. Click **Navigate -
   > Search
   everywhere**,
   type in **gradle**
   and select it
   from the list
   under actions in
   order to open
   grade panel on
   the right side.
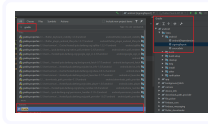   From gradle
   panel on the
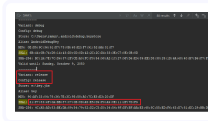   right select

3. You should see a new panel at the bottom now with generated fingerprints. Look for **Variant: release** and **Config: release** and copy SHA1 key. (You can click on the panel and open search window with ctrl+f if you are having trouble locating the correct key)

Creating firebase project

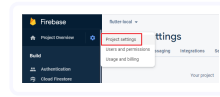1. If you don't have a firebase account already, register for one here and create a new project.

page:

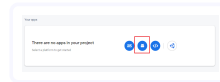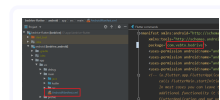3. Under **Your Apps** select android platform:

4. Enter your package name in **Android package name** field and the SHA-1 key you've created in the first part of this guide in **Debug Signing Certificate SHA-1** and click **Register app.** You have set package name in `AndroidManifest.xml` file when following Android Configuration guide.
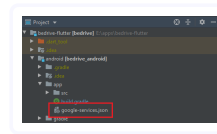
5. Click **Download google-services.json** button and place downloaded file in `android/app` folder.

6. Android SDK is already setup, so you only need to click **Next** a few times and then **Continue to console** buttons to finish app registration.

7. Fill out all required fields in OAuth consent screen for your project on firebase. Otherwise, google signin will not work properly.

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✓ YES

✗ NO