FATbit®
TECHNOLOGIES

Google Push Notifications API

-Credential Generation Guide-

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What are Google Push Notifications?

Google Push Notifications enable applications to send notifications to devices, even when the application is running in the background or is closed. These notifications inform users about important events, such as new orders, status updates, reminders, or other application activities.

Google Push Notifications are delivered through **Firebase Cloud Messaging (FCM)**, a messaging service provided by Google. FCM establishes communication between the application server and registered devices to deliver notification messages.

To use Firebase Cloud Messaging, a Firebase project must be configured and authenticated. During the configuration process, Firebase generates the credentials required for secure communication between the application and Firebase services. These credentials include a **service account JSON key**, which contains the authentication details required by the application.

For FATbit products, the generated Firebase credentials are configured in the dedicated Push Notification settings. Once the configuration is complete, the application can send push notifications to registered devices through Firebase Cloud Messaging.

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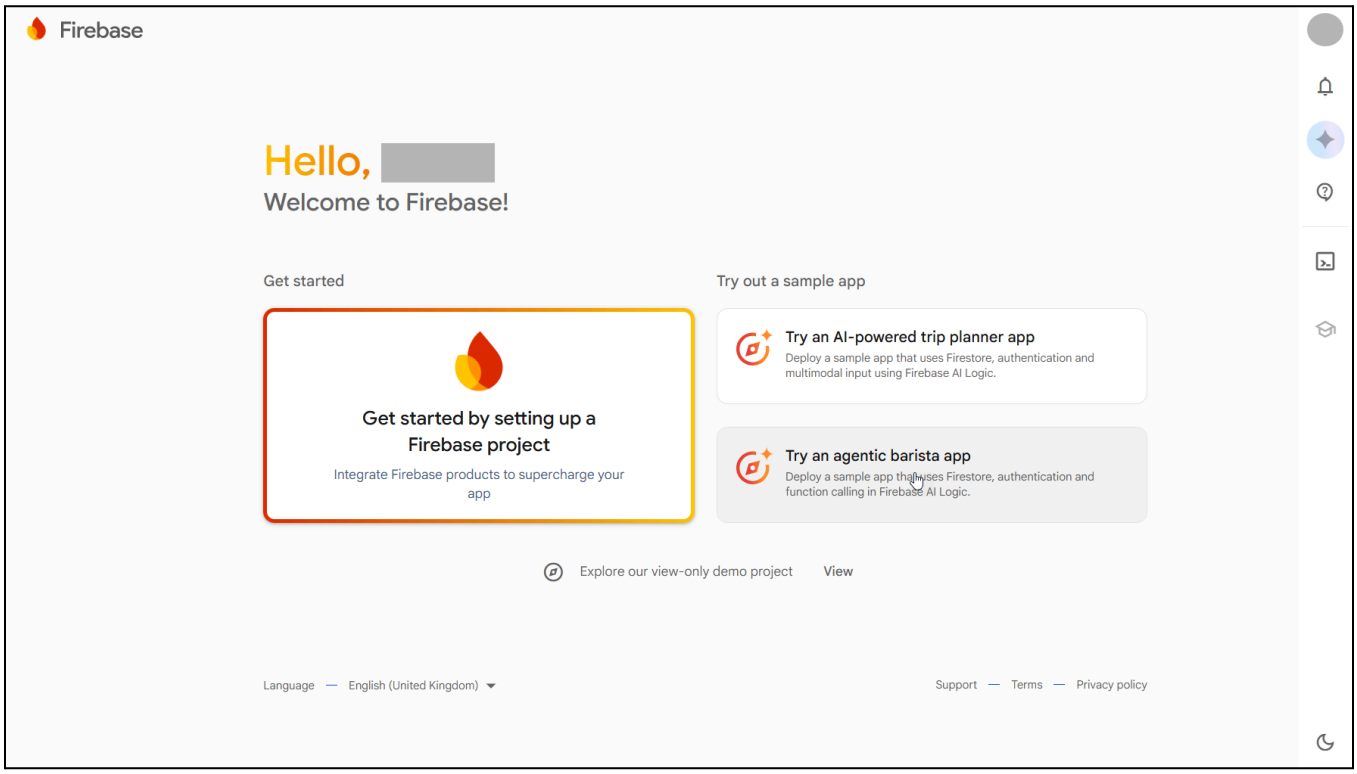
Generating Google Push Notifications Key

Follow these steps to generate the Firebase Cloud Messaging Key and integrate the Google Push Notifications feature on your FATbit product.

Step 1: Visit the Firebase dashboard

Open your preferred web browser and visit the Firebase Console: https://console.firebase.google.com



Step 2: Create a Firebase Project

Click **Get started by setting up a Firebase project.**

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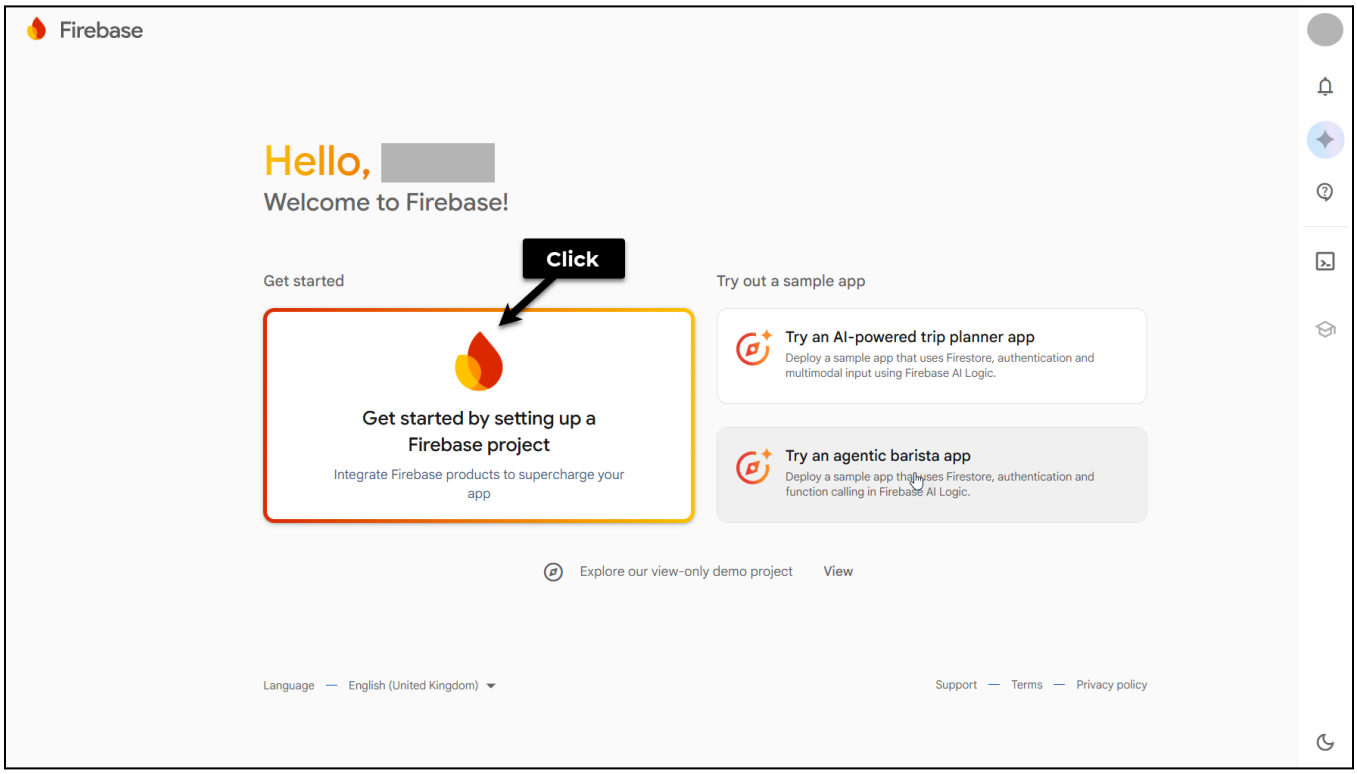

The **Create a project** page opens.

Step 3: Enter the Project Details

Enter the project details to create the Firebase project.

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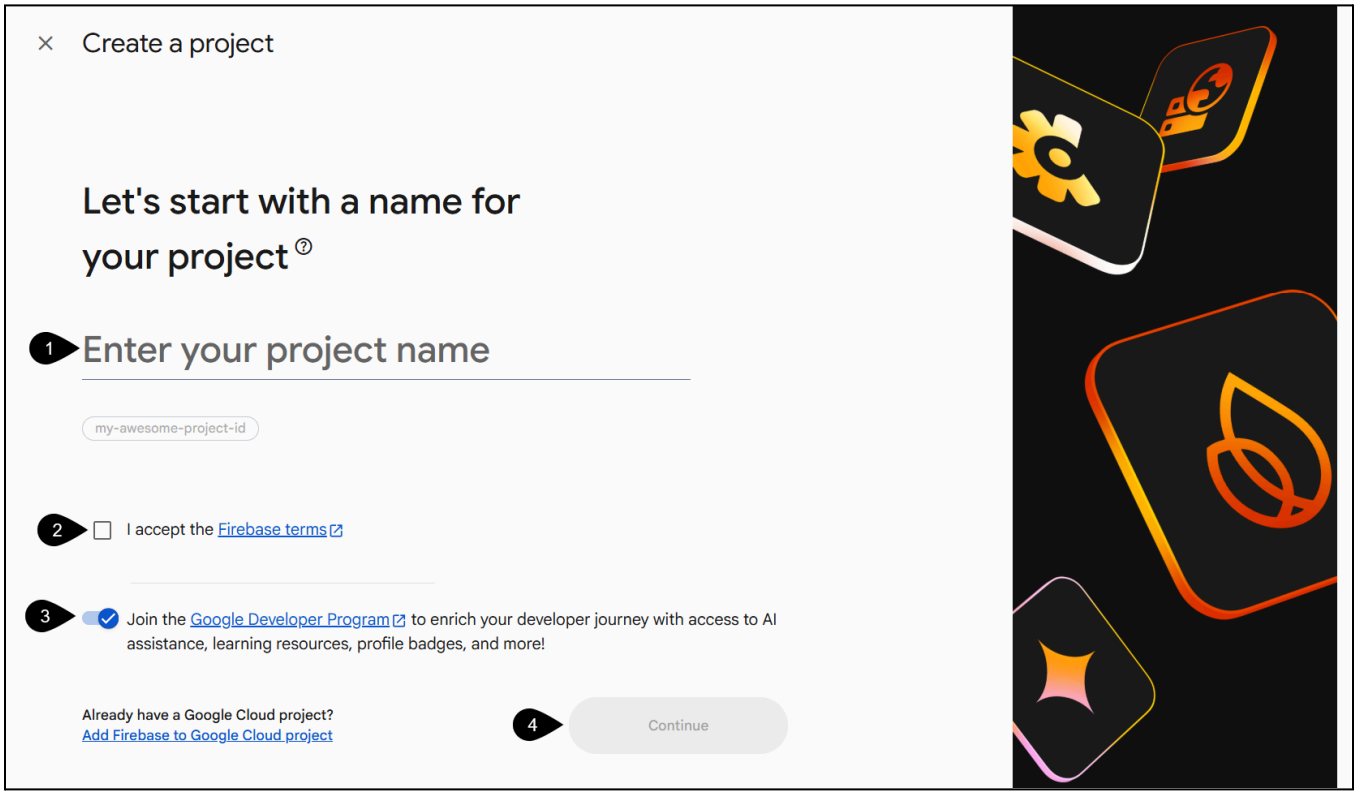

Update the following:

- **Project name:** Enter a name for the Firebase project.
- **Firebase Terms:** Select the **I accept the Firebase terms** checkbox to accept the terms and conditions.
- **Google Developer Programme:** This option is selected by default. Clear the checkbox if you do not want to join the Google Developer Programme.

Click **Continue**.

The **Configure Google Analytics** page opens.

Step 4: Configure Google Analytics

Google Analytics helps you collect and analyze application usage data, such as user engagement and application performance. Configuring Google Analytics is optional and is not required to generate the Firebase service account credentials.

Google Analytics can be enabled at any time after the project is created. If you do not require Google Analytics, disable the Enable Google Analytics for this project toggle before creating the project.

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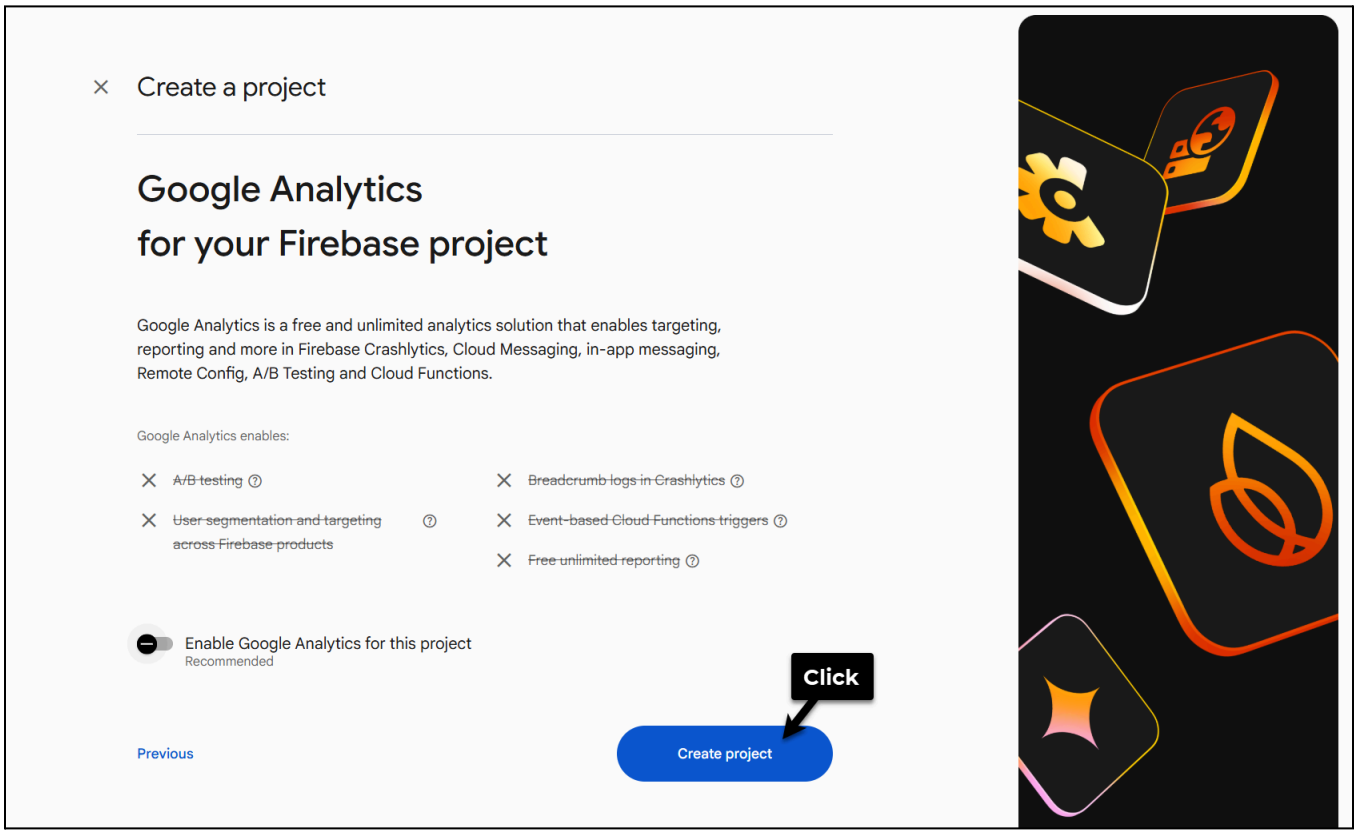
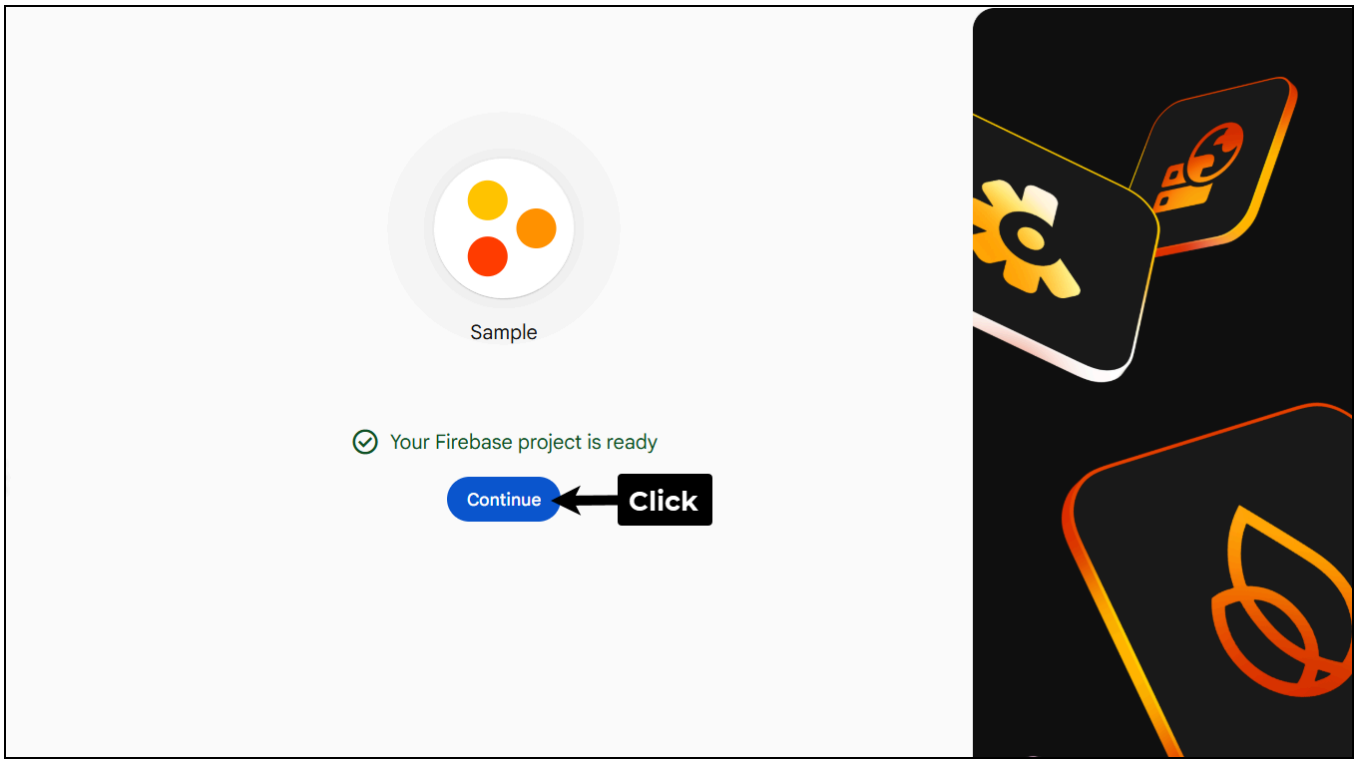


Click **Create project**.

Wait while Firebase creates the project.



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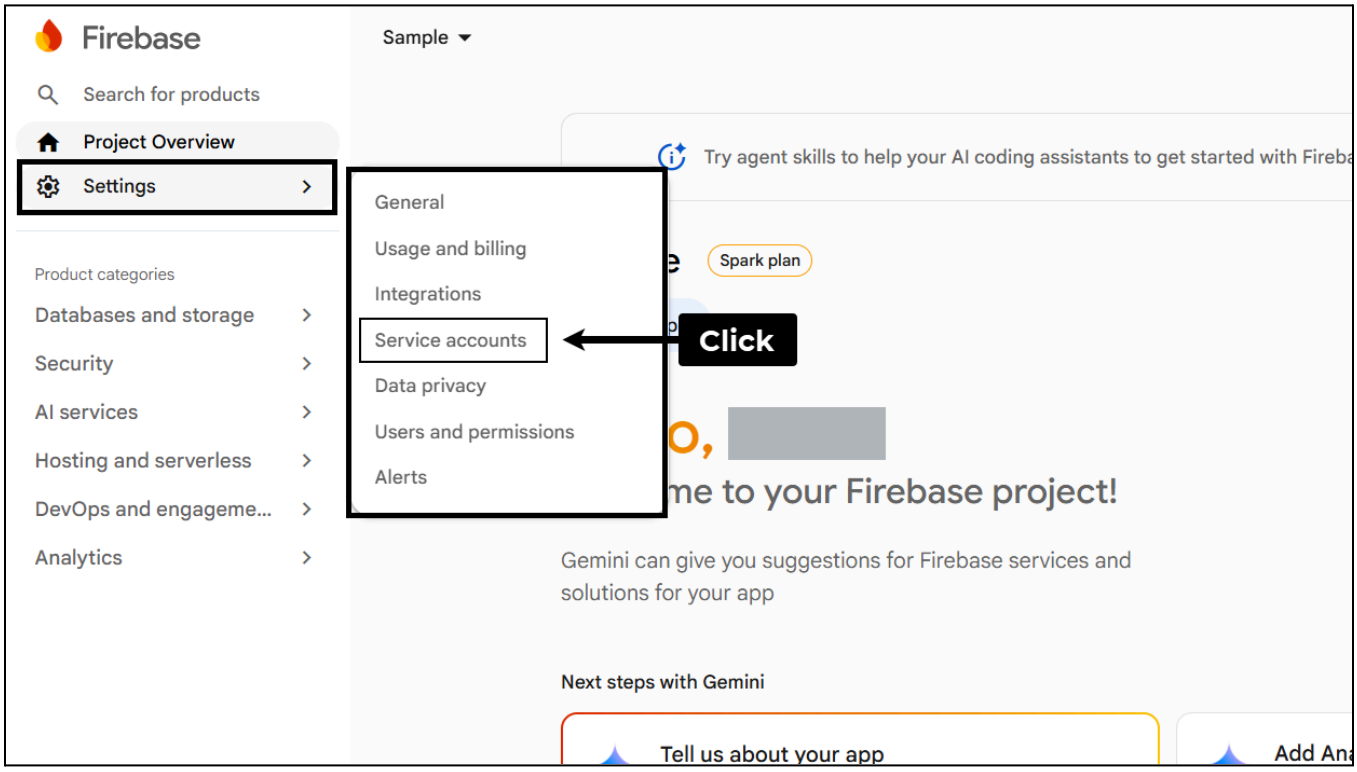
Click **Continue**.

The **Project Overview** page opens.

Step 5: Open the Service Accounts Page

Navigate to the **Service Accounts** page from the project settings.



Hover over **Settings** in the left navigation menu.

The **Settings** menu expands.

Click **Service accounts**.

The **Service accounts** page opens.

Step 6: Generate a New Private Key

The **Service accounts** page allows you to generate a new private key for the Firebase service account. The private key is downloaded as a JSON file and is required to authenticate the application with Firebase services.

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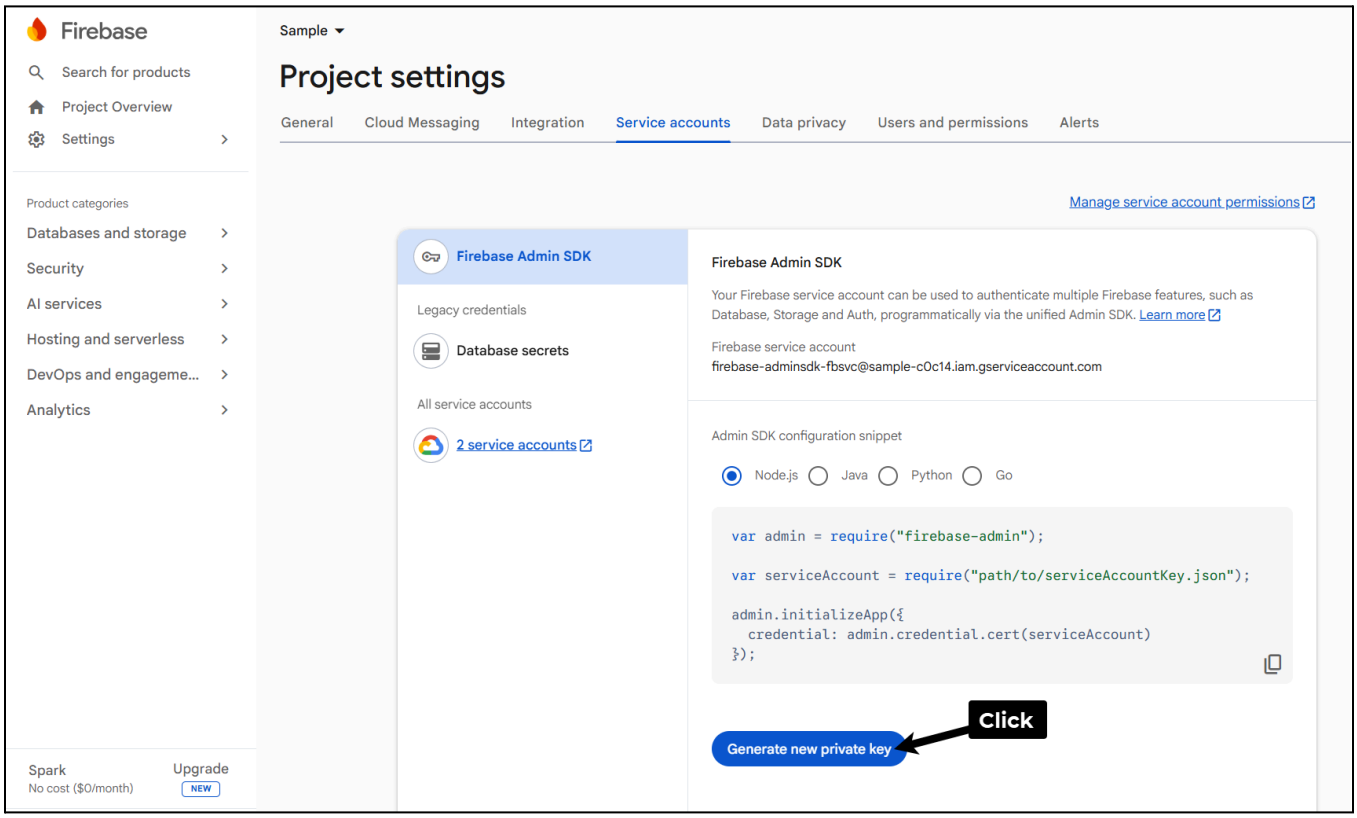

Click **Generate new private key**.

Step 7: Confirm the Private Key Generation

The **Generate new private key** dialog opens. This dialog informs you that the private key provides access to your Firebase project and should be stored securely.

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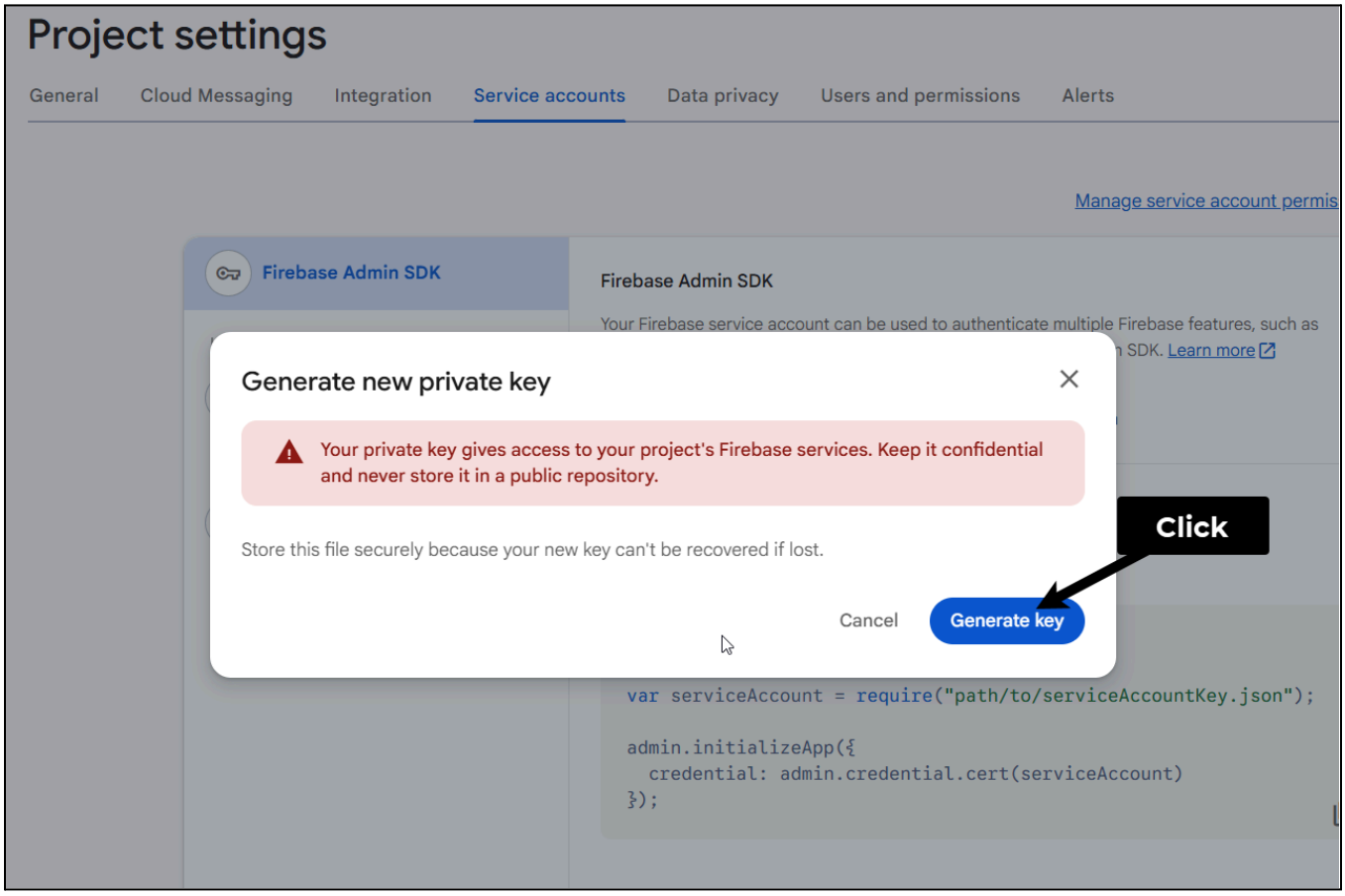

Click **Generate key**.

The JSON service account key is downloaded to your local system.

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