FATbit®
TECHNOLOGIES

# Google reCAPTCHA API

-Keys Generation Guide-

# Table of Contents


| Sr. No. | Contents | Page No. |
|---|---|---|
| 1. | What is Google reCAPTCHA? | 1 |
| 2. | Generating Google reCAPTCHA keys | 2 |
| 2.1 | Step 1: Visit the Google reCAPTCHA dashboard | 2 |
| 2.2 | Step 2: Fill the ‘Register a new site’ form | 3 |
| 2.3 | Step 3: Update the Google Cloud Platform project details | 5 |
| 2.4 | Step 4: Copy the generated keys | 9 |
| 2.5 | Step 5: Configure reCAPTCHA Settings on your FATbit Product | 9 |

# What is Google reCAPTCHA?

Google reCAPTCHA is Google's bot protection platform that prevents a website or a platform for spam and fraud abuse. It is an advanced security service that differentiates between humans and automated bots.

This API provides a wide range of tools to implement this security measure in various websites and applications, preventing malicious activities. It blocks bots from submitting forms, creating accounts and performing disruptive actions on a platform.

Multiple verification methods, like - interactive challenges (object identification) and behavior analysis are supported.

After integration, the reCAPTCHA widget gathers data on user interaction and behavior, and assesses it to determine if the visitor is a bot or a human user. This is done by the system providing risk scores to user actions, and making informed decisions about each action.

Google reCAPTCHA strengthens the platform's security by preventing automated and spam submissions, while protecting against abuse and fraud. It ensures a smooth user experience and interaction for legitimate users.

There are two versions of reCAPTCHA available on the website.

1. **reCAPTCHA v2**: It is the most commonly seen version, introducing the "I'm not a robot" checkbox. Users may be verified instantly based on their interaction with the checkbox, or prompted to solve an image recognition puzzle.
2. **reCAPTCHA v3:** This version runs entirely in the background, providing a score representing how likely a visitor is a bot. It allows website owners to decide how to handle suspicious traffic. It is completely invisible to legitimate users.

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# Generating Google reCAPTCHA keys

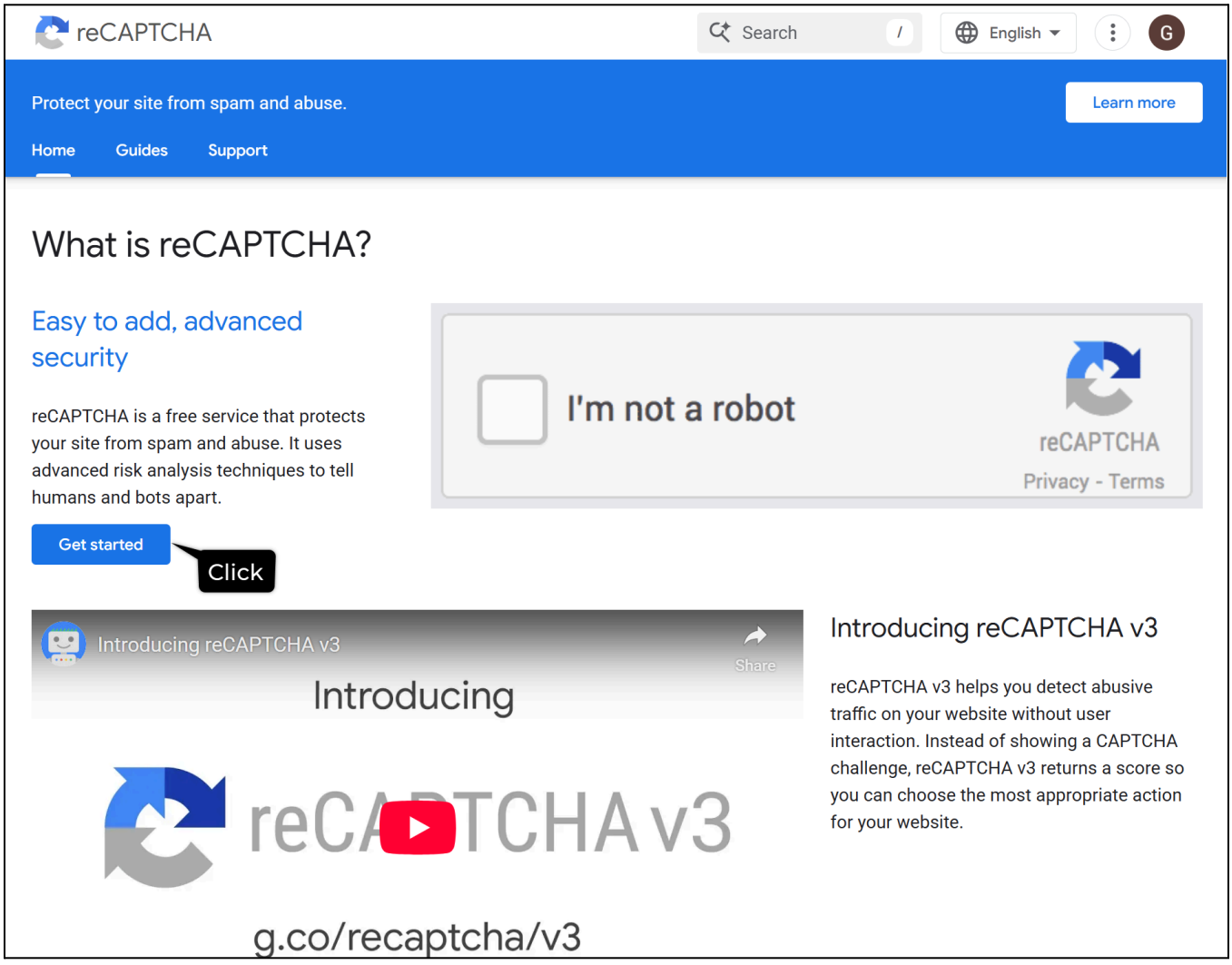
Follow these steps to generate the Google reCAPTCHA API keys and prevent your platform from malicious activities and spam bots.

## Step 1: Visit the Google reCAPTCHA dashboard

Sign into your Google account.

Open a new tab and go to Google reCAPTCHA Admin console: *https://developers.google.com/recaptcha*

Click **Get Started**.




You will be directed to the **Developer's Guide** page.

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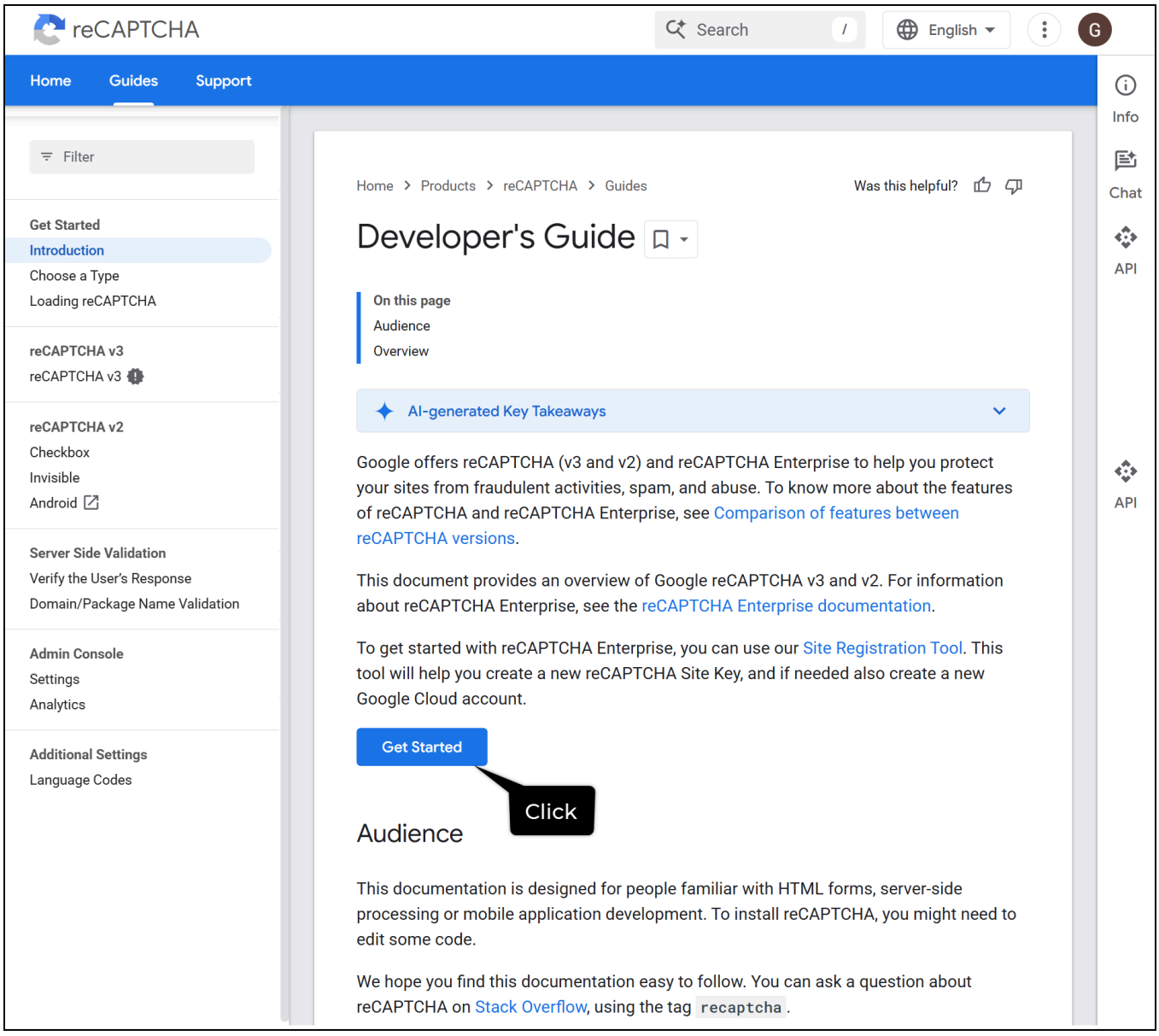
Click **Get Started.**




# Step 2. Fill the 'Register a new site form

A registration form appears to register a new site.

Scroll down to fill the form details.

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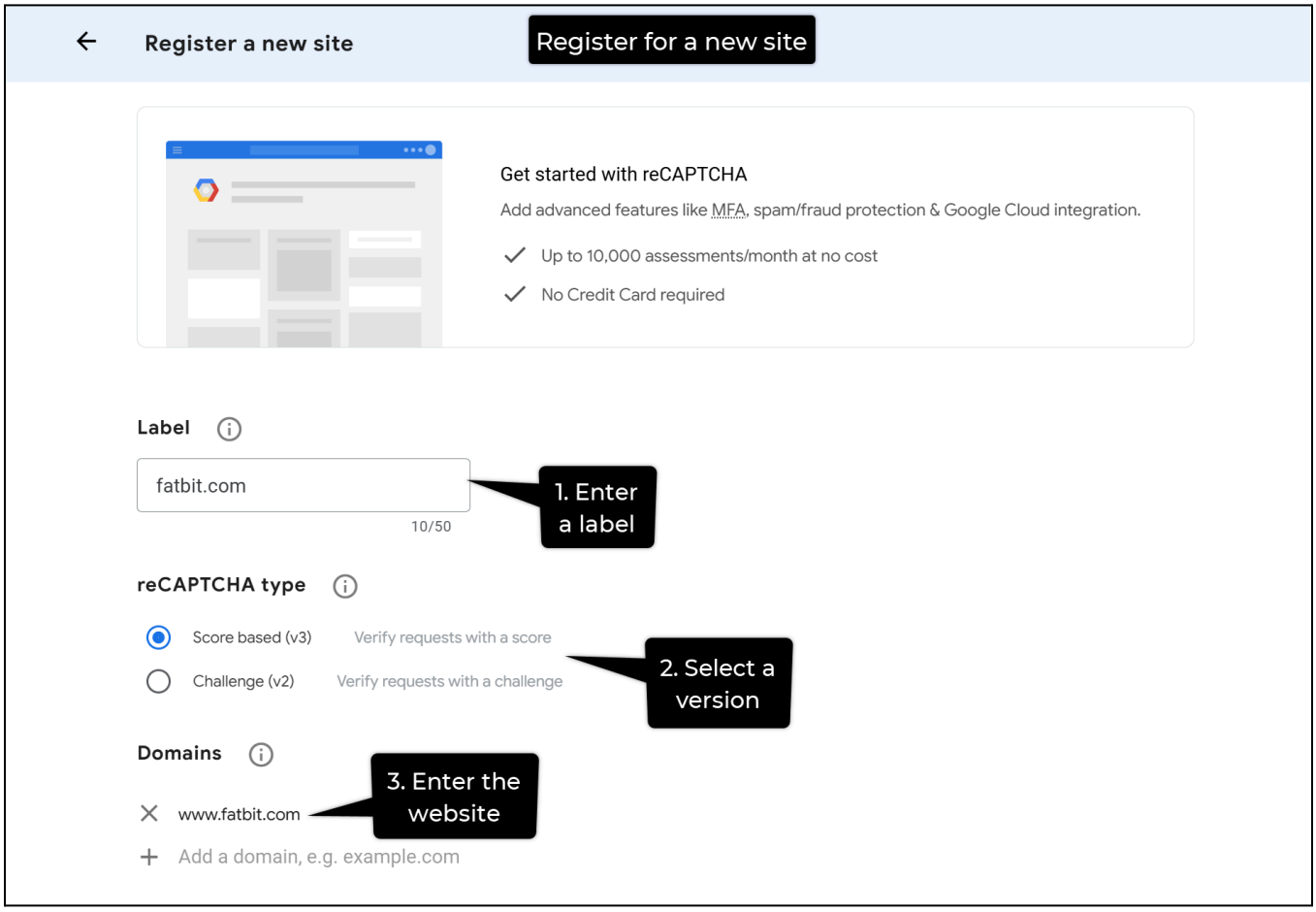


Update the following details in the form:

- **Label:** Enter an identification name.
- **reCAPTCHA type:** Select the reCAPTCHA type compatible with the FATbit product.

  *Check with the tech team to ensure that you configure the right version for your platform.*

- **Domains:** Add the website URL. For instance, if your domain name is *www.fatbit.com*, type the same in the field and press **Enter** on your keyboard to add it.

  Click ✕ in front of the website domain to remove it. If you want to add another domain, click the field next to +, enter the domain name and click **Enter** on your keyboard.

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## Step 3: Update the Google Cloud Platform project details

To generate the keys, you must update Google Cloud Platform details.

There are three case scenarios depending on:

- The gmail account you use to sign in
- If the email ID has been used to create a Google Cloud Platform project previously.

### Case 1: Using a personal Gmail account & new user

If you have signed in to your personal Gmail account and have never used GCP before, the labels will look like this.

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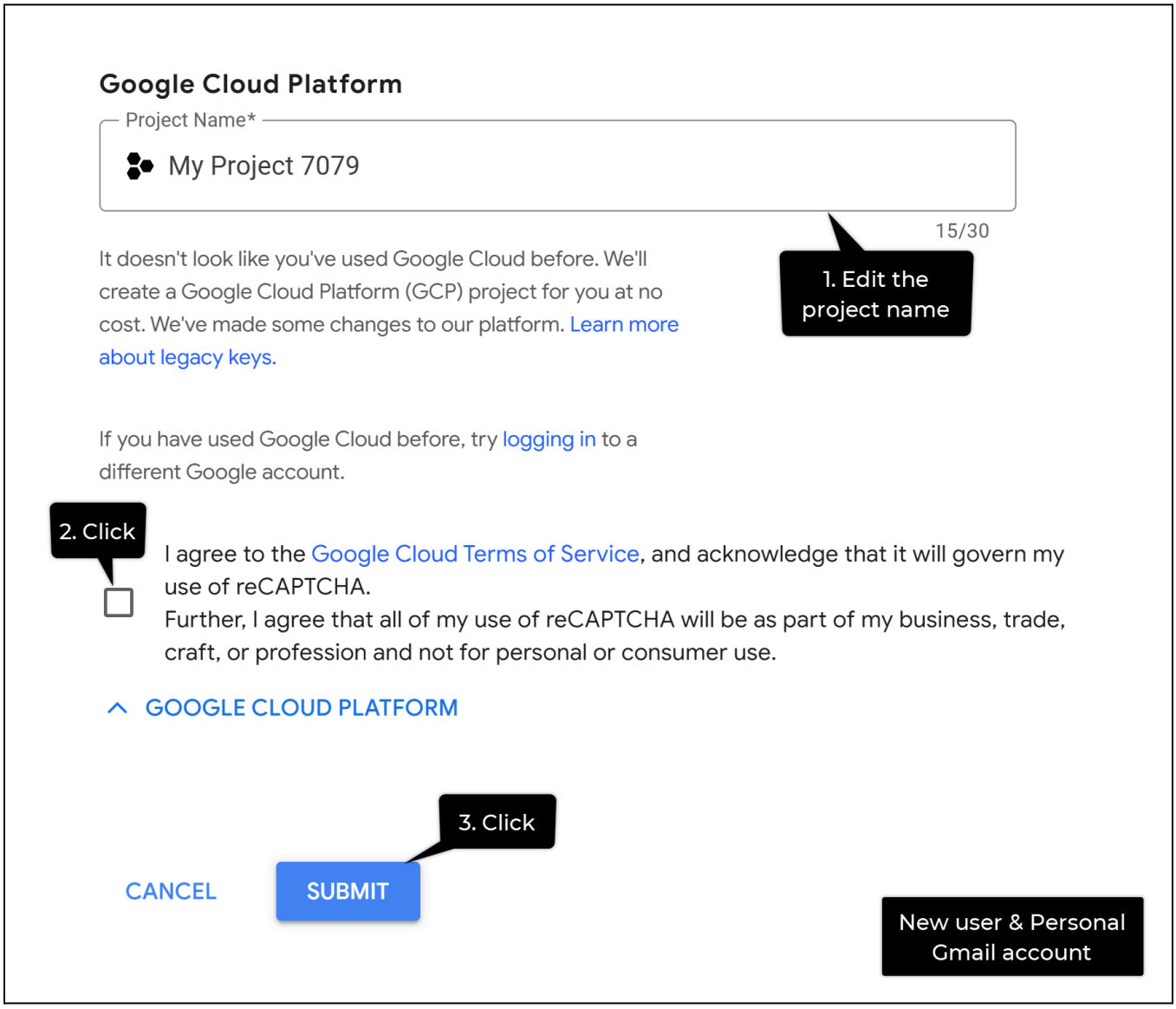


Update the following:

- **Project name*:** Enter or edit the project name.
- **I agree to the Google Cloud Terms and Service:** Check mark this to agree to the terms and conditions.

Click **Submit.**

## Case 2: Using a School or Business Gmail account & new user

If you have signed in using your School or Business Gmail account and have never used GCP before, the labels will look like this.

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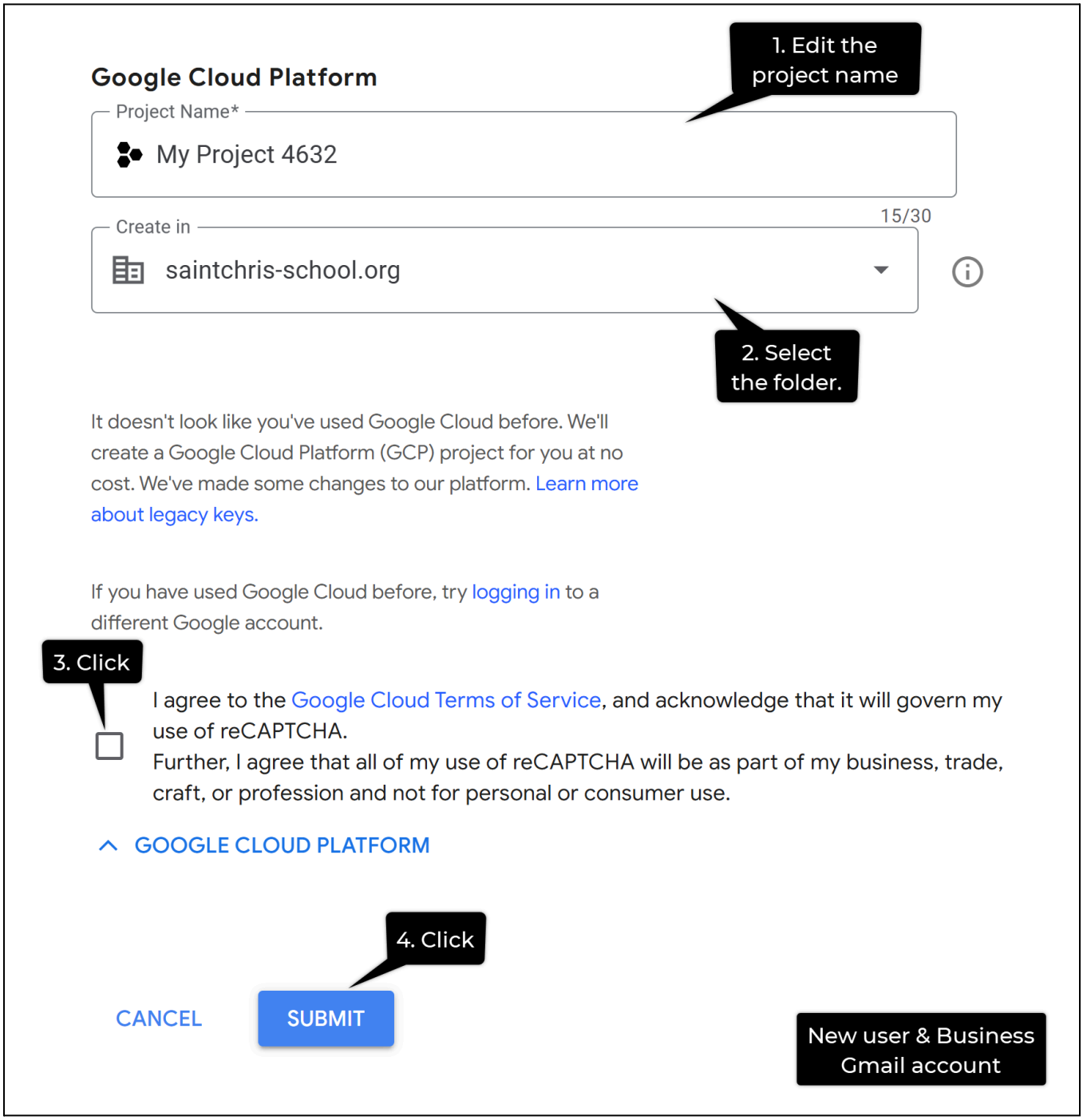


Update the following:

- **Project name*:** Enter or update the project name.
- **Create in*:** Click the dropdown and select the organizational unit (organization or folder) within the Google cloud account, where this project will be created and saved.
- **I agree to Google Cloud Terms of Service:** Check mark this to agree to the terms and conditions.

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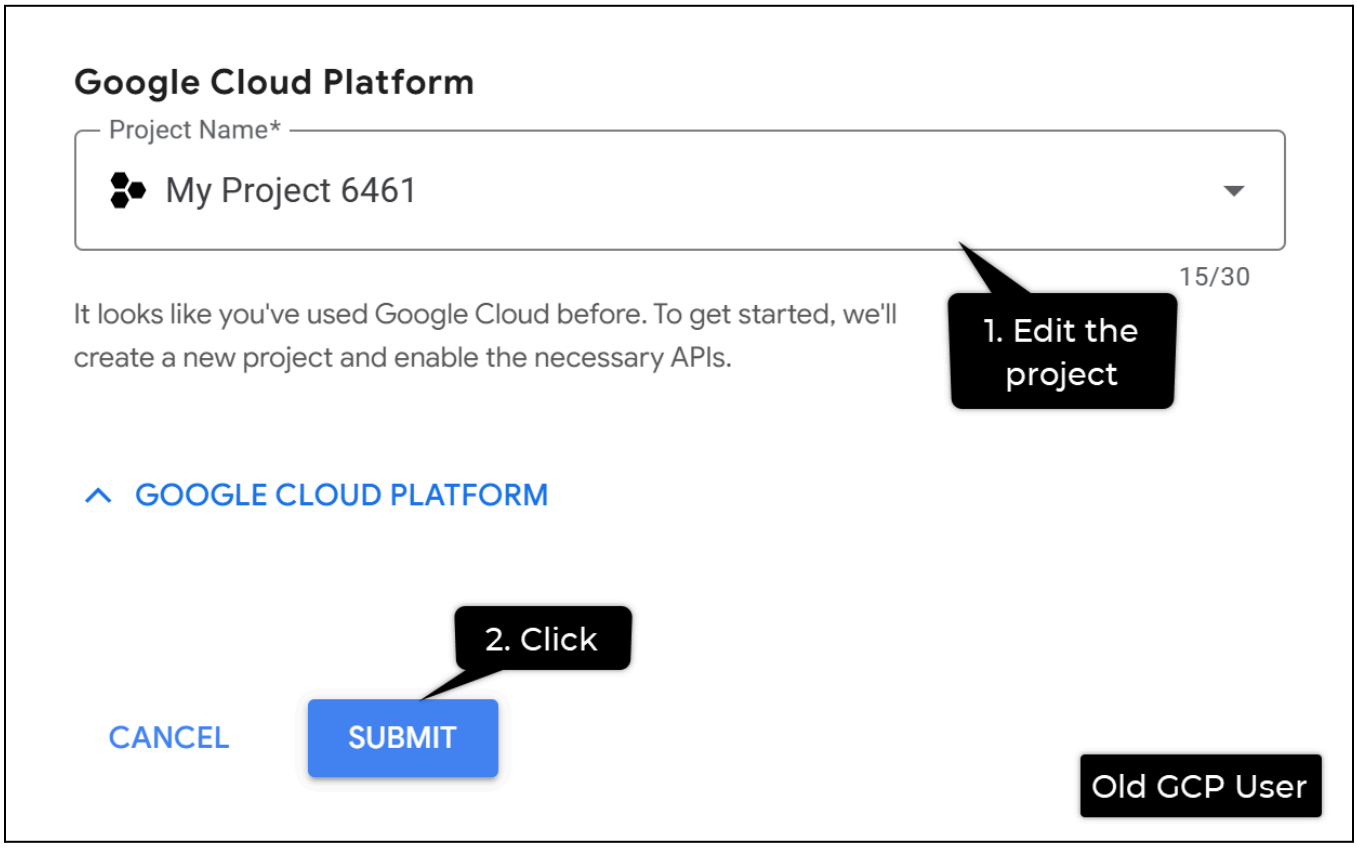
Click **Submit**.

## Case 3: You are an old Google service user

If you have created a GCP project or used Google console previously, the labels will look like this.




Update the following:

- **Project name*:** Enter or edit the project name.

Click **Submit**.

# Step 4: Copy the generated keys

After you click Submit, you will be directed to the setup page, containing the details of the GCP setup and the generated keys.

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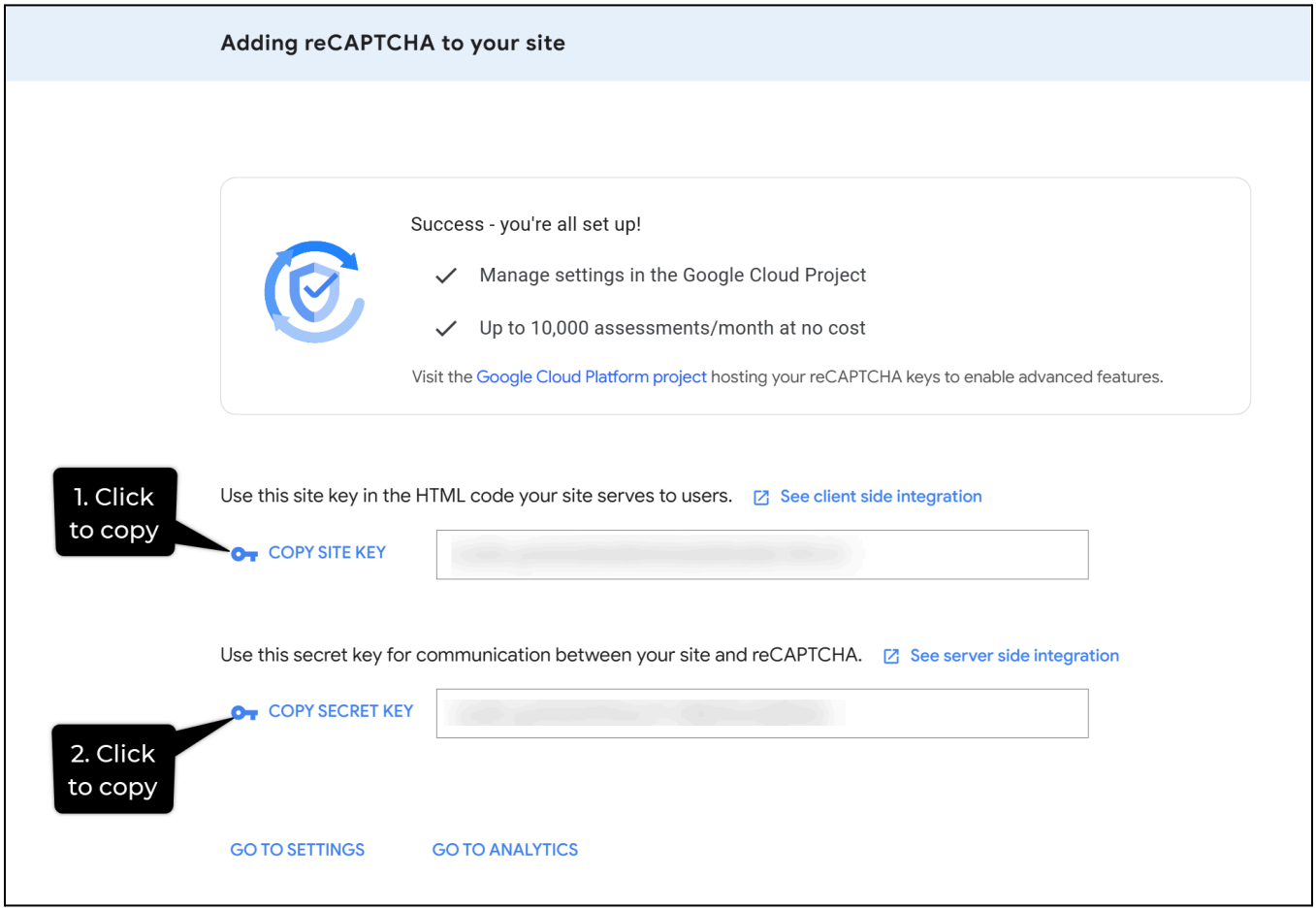


Click **Copy site key** and **Copy secret key** to copy each key.

## Step 5: Configure reCAPTCHA Settings on your FATbit Product

After generating the Google reCAPTCHA keys, log in to the FATbit (Product Name) Admin Panel and navigate to **Settings > System Configuration > Third Party.** Scroll to the **Google reCAPTCHA** section.

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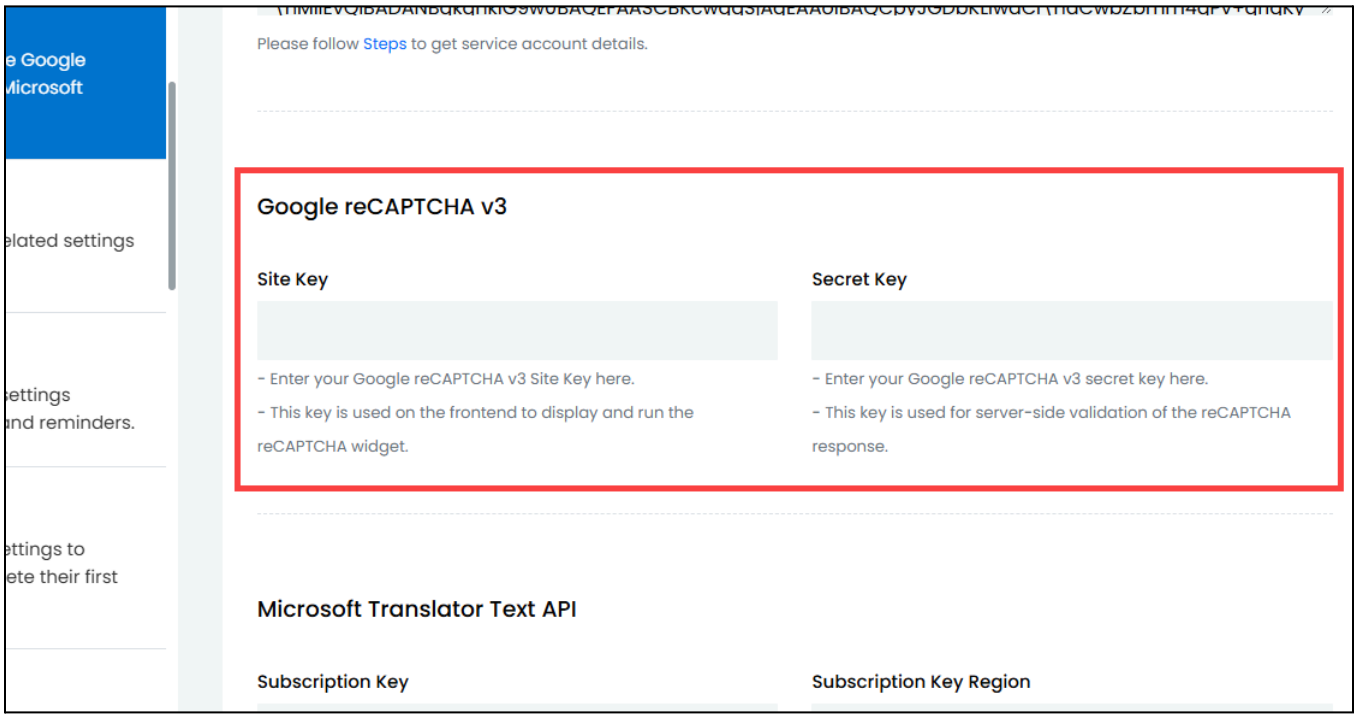


Update the following:

- **Site Key:** Enter the generated **Google reCAPTCHA v3 site key.**
- **Secret Key:** Enter the generated **Google reCAPTCHA v3 secret key.**

Click **Save.**

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