



Google Login API

-v3.0 Setup Guide-

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What is Google login API?

The Google Login API, also known as Google Sign-In, is a service provided by Google that allows users to sign into third-party apps and websites using their Google account credentials. This can simplify the login process for users and can provide developers with a secure and easy way to authenticate users.

This API leverages OAuth 2.0 and OpenID Connect protocols to provide secure, streamlined authentication across web, iOS, and Android platforms. By integrating Google Sign-In, developers can enhance user experience with a single sign-on solution, reducing the need for multiple passwords and usernames.

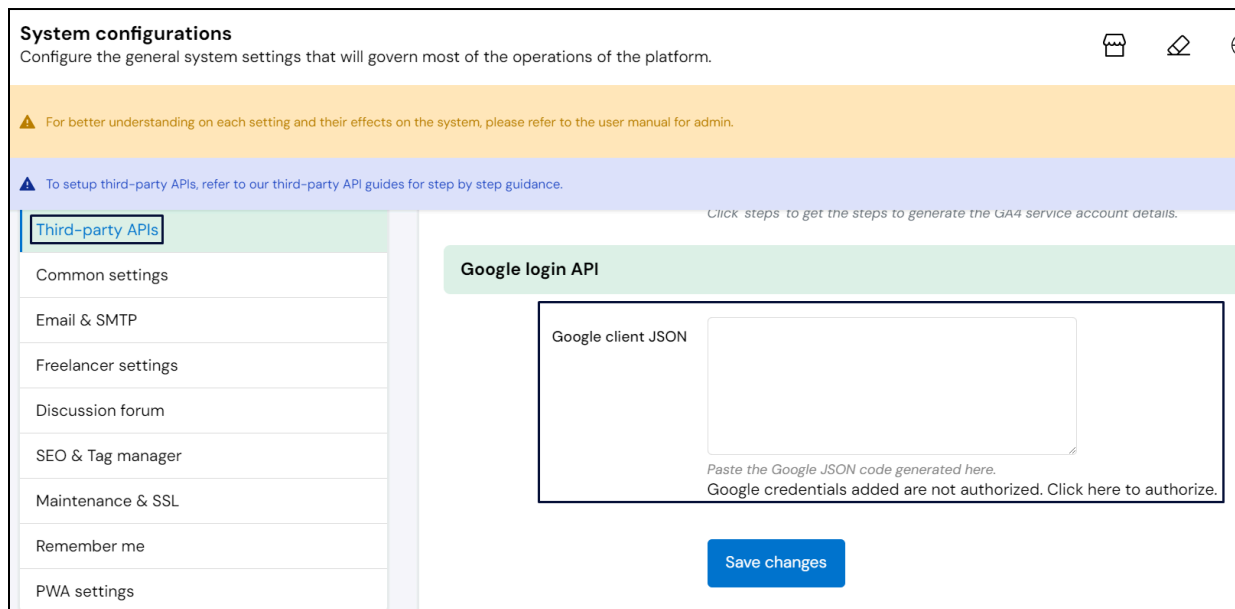
Users benefit from a seamless login process, while developers gain access to essential user profile information with appropriate consent, facilitating personalized app experiences.

Google Sign-In's robust security and cross-platform support make it a valuable tool for modern application development.

Yo!Gigs has integrated this functionality into the platform to enhance the user experience.

Configure the Google login API

Configure the Google login API under Admin panel > Settings > System configurations > Third-party APIs tab.



Here are the steps to obtain the Google login API key:



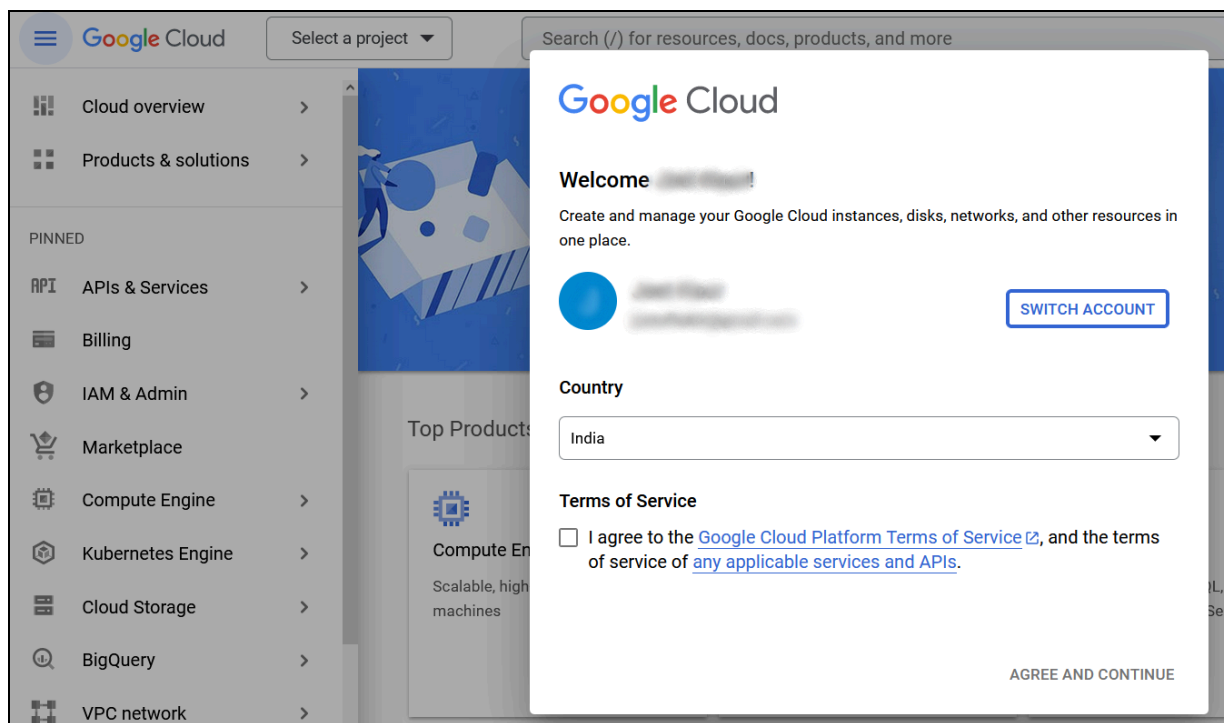
To obtain the key, you will need a Google account, so it's helpful to have a business Gmail account set up beforehand. If you don't have one, create it first, then follow the steps below.

Step 1: Visit the Google Cloud Console platform

Log into your Gmail account.

Open a new tab and go to <https://console.cloud.google.com/>.

If you are a new user, the following pop-up will appear.



Before filling out the form, make sure you select the correct Gmail account; if not, switch to the appropriate one (using the **Switch account** button).

Update the following:

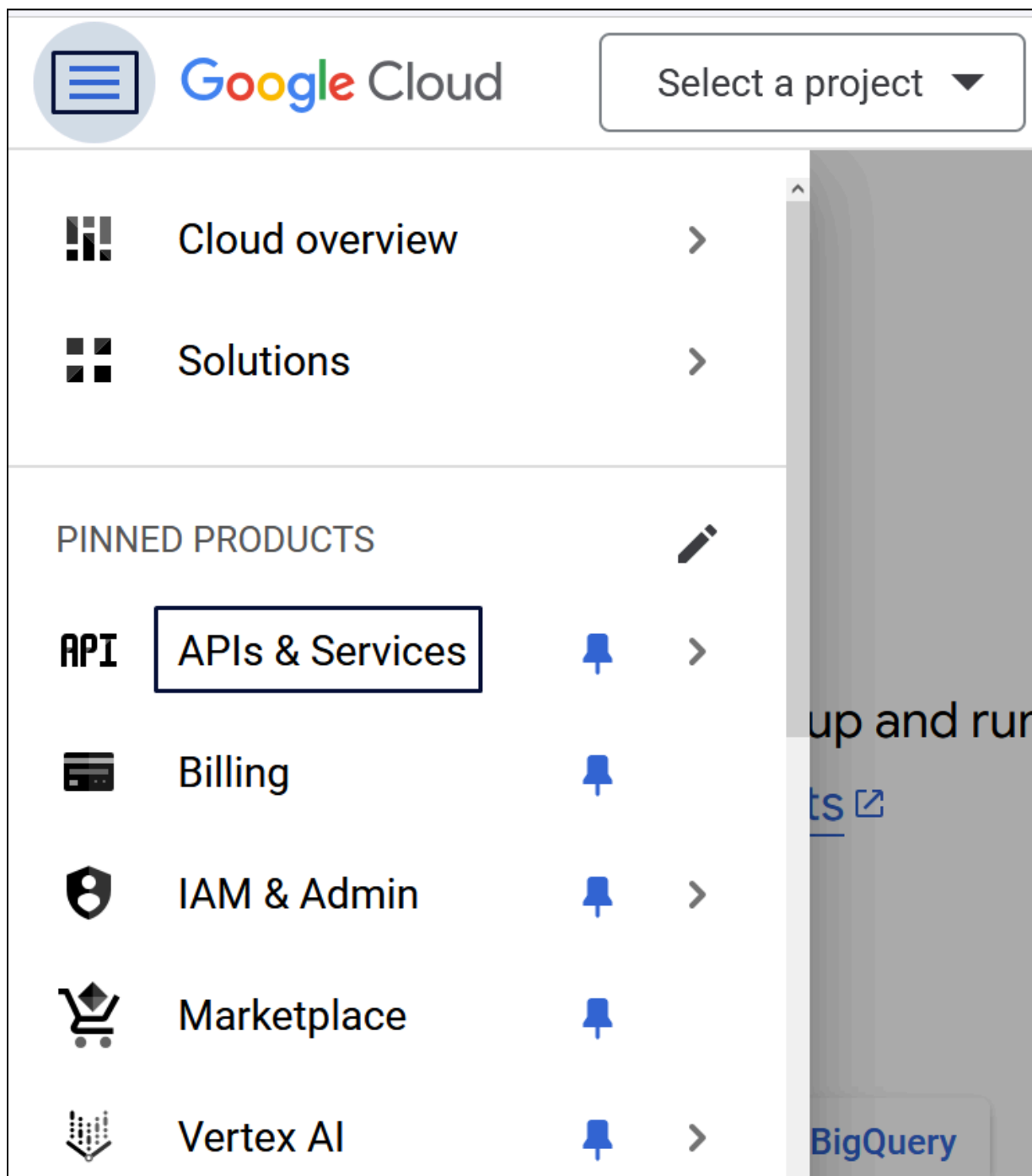
- **Country:** Click the field and select the country you are operating from, or select your current location from the dropdown list.
- **I agree to the Google Cloud Platform Terms of Service , and the terms of service of any applicable services and APIs.*:** Check mark this to accept the terms and conditions and move forward. If you do not check mark this, you won't be able to use the platform.

Once done, click **Agree and Continue**.

Step 2: Go to APIs & Services

Click the **Hamburger menu** button to expand the navigation menu.

Select **APIs & Services** to go to the **APIs & Services** page.

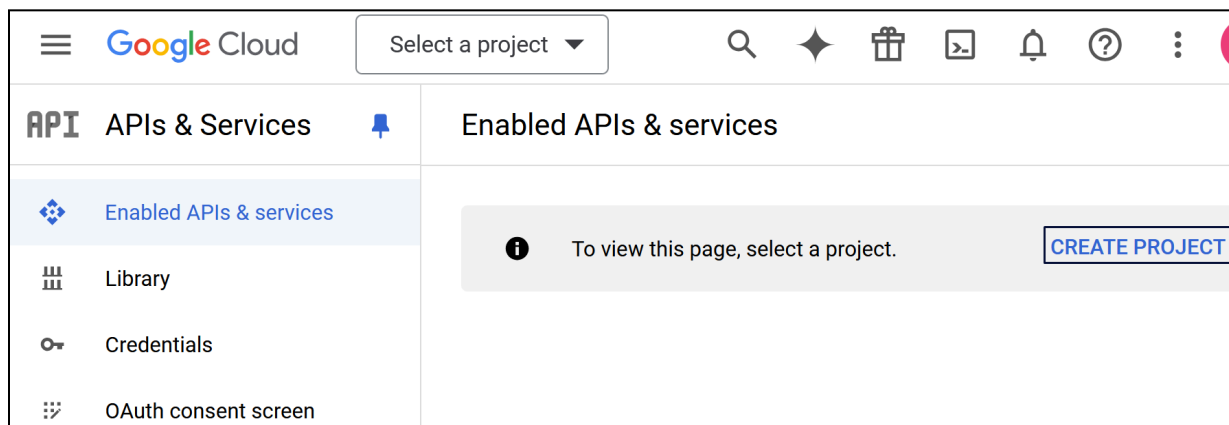


DISCLAIMER: The color theme and labels might differ in the screenshots as compared to on the platform.
An asterisk (*) next to a label indicates that the information is mandatory.

Step 3: Create a project

As a new user, your first step is to create a project.

To do this, click **Create Project**.



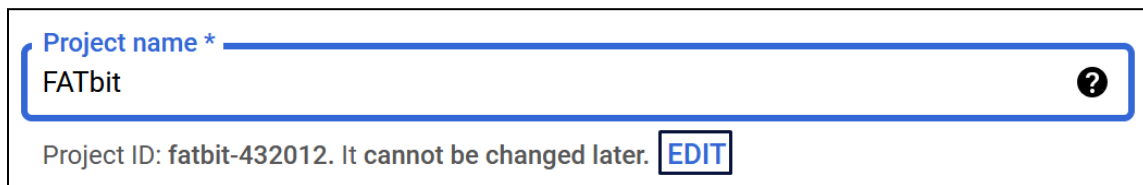
This will direct you to the **New Project** page.

A screenshot of the 'New Project' page in the Google Cloud console. The page title is 'New Project'. Below the title is a warning box with an orange triangle icon, stating: 'You have 12 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)'. Below the warning is a link 'MANAGE QUOTAS'. The main form has two sections. The first section is for 'Project name *' with a text input field containing 'My Project 19496' and a help icon. Below this, it shows the 'Project ID: rich-analog-432012-g3. It cannot be changed later. [EDIT](#)'. The second section is for 'Location *' with a dropdown menu showing 'No organization' and a 'BROWSE' button. Below the dropdown is the text 'Parent organization or folder'. At the bottom of the form are two buttons: 'CREATE' (in a blue box) and 'CANCEL'.

DISCLAIMER: The color theme and labels might differ in the screenshots as compared to on the platform. An asterisk (*) next to a label indicates that the information is mandatory.

Update the following:

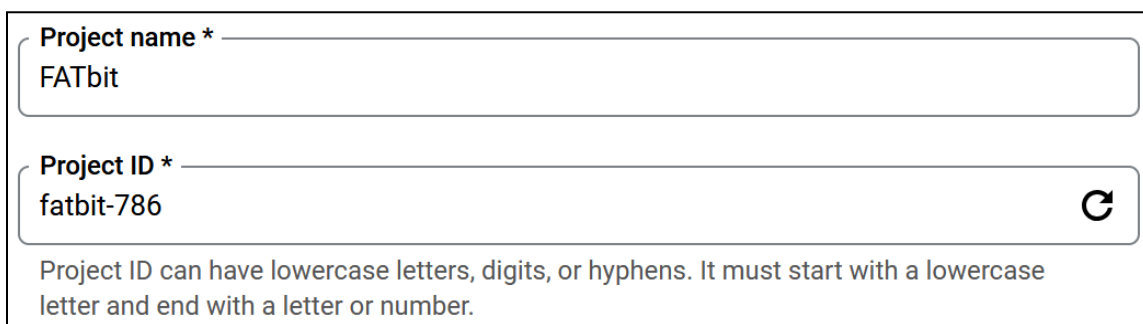
- **Project name***: Enter a project name.



A screenshot of a form field labeled "Project name *" with the text "FATbit" entered. To the right of the text is a question mark icon. Below the field, a message reads: "Project ID: fatbit-432012. It cannot be changed later." followed by a blue "EDIT" button.

When you enter a project name, the system automatically generates a project ID, which is displayed below the field.

To edit this ID, click **Edit**, and a new field appears.



A screenshot of a form showing two fields. The first field is "Project name *" with "FATbit" entered. The second field is "Project ID *" with "fatbit-786" entered and a refresh icon to its right. Below the fields, a message reads: "Project ID can have lowercase letters, digits, or hyphens. It must start with a lowercase letter and end with a letter or number."

- **Project ID***: Edit the project ID. This needs to be unique so you may need to try out different names before one is accepted.
- **Organization***: Select the organization for your project.



An organization in Google Cloud is a root node that allows you to manage and organize your cloud resources. It acts as a parent resource for all your projects and resources.

This field is visible if you have logged in using an email address whose email domain (@yo-gigs.com) is the same as your business domain (<https://yo-gigs.com>).

In simple words, this field will be visible if your account is part of Google Workspace or Cloud Identity. This is because organizations allow for structured management of cloud resources.

So, if you have multiple organizations, you can select which organization you want to create the project under.

Project name *
FATbit

Project ID *
fatbit-786007

Project ID can have lowercase letters, digits, or hyphens. It must start with a lowercase letter and end with a letter or number.

Organization *
saintchris-school.org

Select an organization to attach it to a project. This selection can't be changed later.

Location *
 saintchris-school.org [BROWSE](#)

Parent organization or folder

[CREATE](#) [CANCEL](#)

The available options under this will depend on the number of organizations your account is linked to. Select the appropriate one.

- **Location*:** Select a folder for your project. The location specifies where your resources will be physically hosted.



Google Cloud automatically provides available regions based on the services you intend to use and your project's requirements. These regions are predefined by Google Cloud and depend on the services you select for your project.

If you don't have any options, leave it as it is.



*If you select 'No organization' in the previous field, this field may appear **blank** or show "Global." Use the **Browse** button to select a specific location for your resources. If there is **no location available**, it is mostly because **Google Cloud services are not available** for the regions around you.*

In this case, choose an organization and location that is available in the list (only those options are visible that are supported by Google Cloud services).

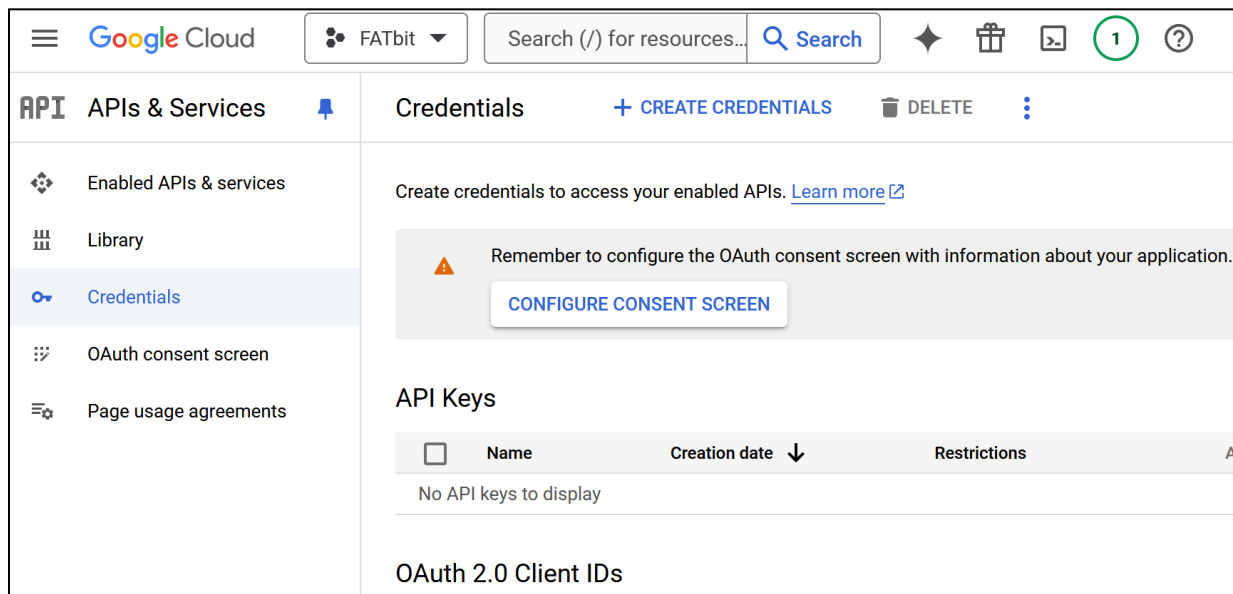
Click **Create**.

With this, the project is created and you are directed back to the **APIs & Services** page.

Step 4: Go to Credentials

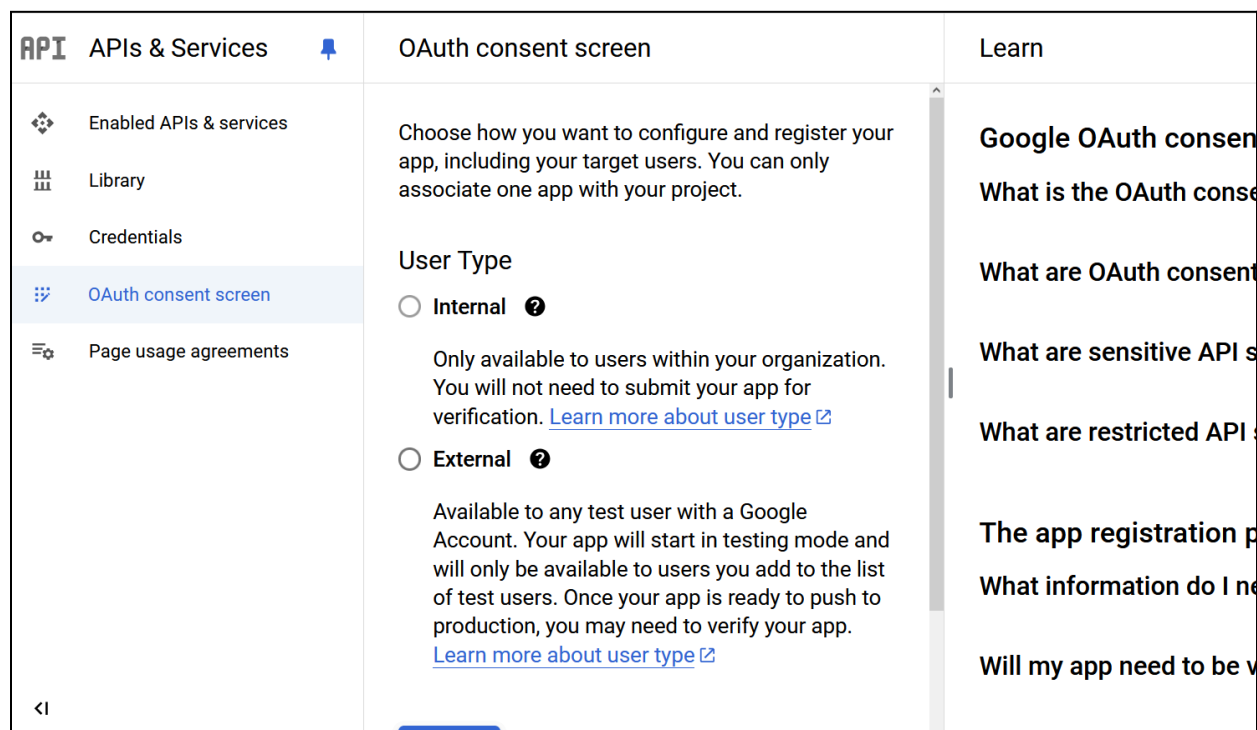
Select **Credentials** from the navigation bar.

This will direct you to the credentials page.



Step 5: Configure the consent screen

Click **Configure consent screen** to go to the OAuth consent screen setup.



Based on whether you need keys for a live project or just for testing, choose the appropriate option:

- **Internal** - Select this option if you're just testing your platform and only want people within your own company or organization to use it.

Do not select this if you plan to make your project available to the public or to people outside your organization. This option limits access to only your organization's members.



You won't be able to select this option if you do not have a Gmail Business account or do not belong to an organization.

- **External** - Select this if your platform is live and you want it to be used by people outside your organization.



Selecting this option might require you to submit your project to Google for verification. After Google reviews and approves it, the API will be ready to use. [Learn more about the verification process here!](#)

Once done, click **Create**.

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Step 6: Fill the “Edit app registration” form

Register your web application on Google via the **Edit app registration** form. There are four steps (tabs) under this form.

1. OAuth consent screen

Edit app registration

1 **OAuth consent screen** — **2** **Scopes** — **3** **Test users** — **4** **Summary**

App information

This shows in the consent screen, and helps end users know who you are and contact you

The name of the app asking for consent

For users to contact you with questions about their consent. [Learn more](#)

App logo

This is your logo. It helps people recognize your app and is displayed on the OAuth consent screen.

After you upload a logo, you will need to submit your app for verification unless the app is configured for internal use only or has a publishing status of "Testing". [Learn more](#)

[BROWSE](#)

Upload an image, not larger than 1MB on the consent screen that will help users recognize your app. Allowed image formats are JPG, PNG, and BMP. Logos should be square and 120px by 120px for the best results.

The form is divided into four sections. Update them following:

DISCLAIMER: The color theme and labels might differ in the screenshots as compared to on the platform. An asterisk (*) next to a label indicates that the information is mandatory.

1. App information

- **App name*:** Enter the platform's name - for which you will be generating the API key.
- **User support email*:** Enter the email address on which users can contact you with questions about their consent.

2. App logo

- **Logo file to upload:** Click Browse and select your platform's logo to upload it.

3. App domain

App domain

To protect you and your users, Google only allows apps using OAuth to use Authorized Domains. The following information will be shown to your users on the consent screen.

Application home page

Provide users a link to your home page


Application privacy policy link

Provide users a link to your public privacy policy

Application terms of service link

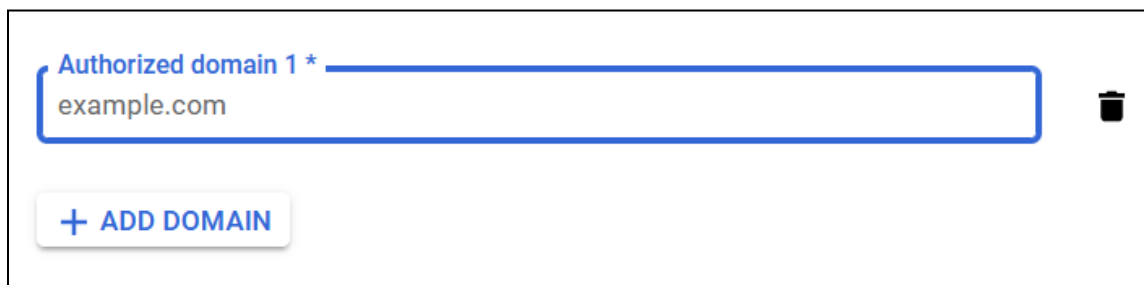
Provide users a link to your public terms of service

Authorized domains

When a domain is used on the consent screen or in an OAuth client's configuration, it must be pre-registered here. If your app needs to go through verification, please go to the [Google Search Console](#) to check if your domains are authorized. [Learn more](#)  about the authorized domain limit.

[+ ADD DOMAIN](#)

- **Application home page:** Enter your platform's home page URL.
- **Application privacy policy link:** Enter your platform's privacy policy page URL.
- **Application terms of service link:** Enter your platform's terms of service page URL.
- **Authorized domains:** Click the add domain button to add the authorized domains that will be used on the consent screen for the users, and a field appears.

A screenshot of a web form section for authorized domains. It features a text input field with the placeholder text "Authorized domain 1 *" and the example text "example.com". To the right of the input field is a small trash can icon. Below the input field is a button labeled "+ ADD DOMAIN".

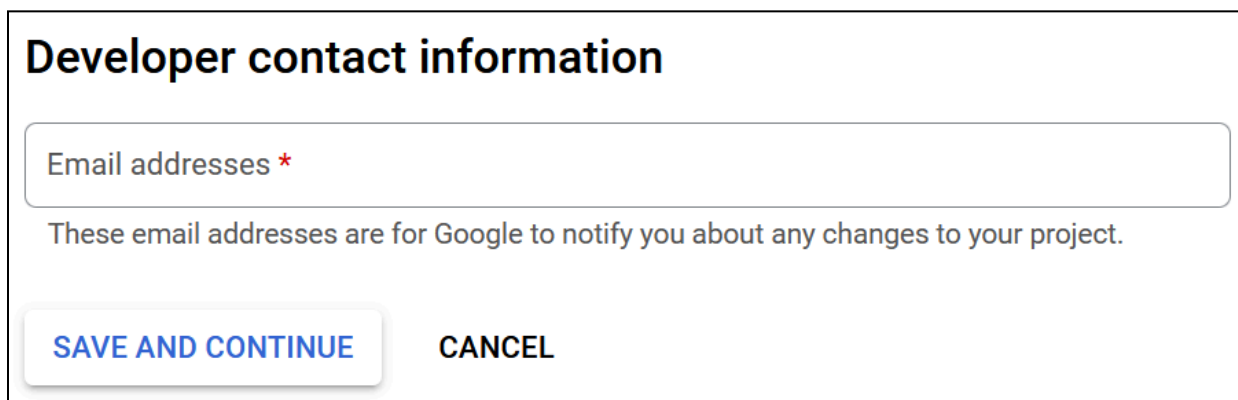
Authorized domain 1 *

+ ADD DOMAIN

Add as many domains as applicable.

If you add a domain by mistake, click  beside it to delete it.

4. Developer contact information

A screenshot of a form titled "Developer contact information". It contains a text input field labeled "Email addresses *". Below the field is a note: "These email addresses are for Google to notify you about any changes to your project." At the bottom of the form are two buttons: "SAVE AND CONTINUE" and "CANCEL".

Developer contact information

Email addresses *

These email addresses are for Google to notify you about any changes to your project.

SAVE AND CONTINUE CANCEL

- **Email addresses*:** Enter the email address(es) of the person who will be notified about any changes made to the project.

You can enter more than one email address in this field.

Click **Save and continue**.

2. Scopes

Scopes express the permissions you request users to authorize for your app and allow your project to access specific types of private user data from their Google Account. Learn more about [scopes here](#).

Edit app registration

✓ OAuth consent screen

 —

2 **Scopes**

 —

3 Test users

 —

4 Summary

Scopes express the permissions you request users to authorize for your app and allow your project to access specific types of private user data from their Google Account. [Learn more](#)

ADD OR REMOVE SCOPES

Your non-sensitive scopes

API ↑	Scope	User-facing description
No rows to display		

🔒

Your sensitive scopes

Sensitive scopes are scopes that request access to private user data.

Although this step is optional, you need to select a few scopes in this case.

Click **Add or remove scopes** to add a scope.

The **Update selected scopes** form will appear on the right side of the page.

Select the first two visible scopes from the list:

- .../auth/userinfo.email
- .../auth/userinfo.profile

× Update selected scopes

i Only scopes for enabled APIs are listed below. To add a missing scope to this screen, find and enable the API in the [Google API Library](#) or use the Pasted Scopes text box below. Refresh the page to see any new APIs you enable from the Library.

≡ Filter

 Enter property name or value ?

−	API ↑	Scope	User-facing description
<input checked="" type="checkbox"/>		.../auth/userinfo .email	See your primary Google Account email address
<input checked="" type="checkbox"/>		.../auth/userinfo .profile	See your personal info, including any personal info you've made publicly available
<input type="checkbox"/>		openid	Associate you with your personal info on Google

Manually add scopes

If the scopes you would like to add do not appear in the table above, you can enter them here. Each scope should be on a new line or separated by commas. Please provide the full scope string (beginning with "https://"). When you are finished, click "Add to table".

ADD TO TABLE



UPDATE

Click **Update**.

The form will close, and the scopes will be updated accordingly.

Depending on their sensitivity, the scopes will be categorized into three sections.

Your non-sensitive scopes

API ↑	Scope	User-facing description	
	.../auth/userinfo.email	See your primary Google Account email address	
	.../auth/userinfo.profile	See your personal info, including any personal info you've made publicly available	

Your sensitive scopes


Sensitive scopes are scopes that request access to private user data.

API ↑	Scope	User-facing description
No rows to display		

Your restricted scopes

Restricted scopes are scopes that request access to highly sensitive user data.

API ↑	Scope	User-facing description
No rows to display		

If you selected the wrong scope, click  beside it to delete it.

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Then, scroll to the end of the form and click **Save and continue**.

3. Test users



*This tab will only **be visible** if you selected **External** as the user type in the [first step](#). This is because it allows you to specify which external users can test your app before it goes live. For projects intended for public use, this helps ensure everything works properly for a wider audience.*

*For **Internal** projects (Internal user type), which are limited to users within your organization, testing is handled internally without the need for this tab.*

Add the users who will be able to access the app while the app is in the testing phase (if applicable).

Updating this tab is optional.

Edit app registration

✓ OAuth consent screen

 —

✓ Scopes

 —

3 Test users

 —

4 Summary

Test users

While publishing status is set to "Testing", only test users are able to access the app. Allowed user cap prior to app verification is 100, and is counted over the entire lifetime of the app. [Learn more](#)

+ ADD USERS

Filter Enter property name or value ?

User information

No rows to display

SAVE AND CONTINUE

CANCEL

This step is not required in this case. Click **Save and continue** to proceed.

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An asterisk (*) next to a label indicates that the information is mandatory.

4. Summary

Review the details added and edit if required.

Edit app registration

✓ OAuth consent screen

—

✓

 Scopes

—

✓

 Test users

—

4

 Summary

OAuth consent screen

EDIT

User type

External

From here, return to the **OAuth consent screen dashboard** by clicking **Back to dashboard** at the end of this tab.

OAuth consent screen

Page usage agreements

Test users

EDIT

0 users (0 test, 0 other) / 100 user cap

Filter Enter property name or value

User information

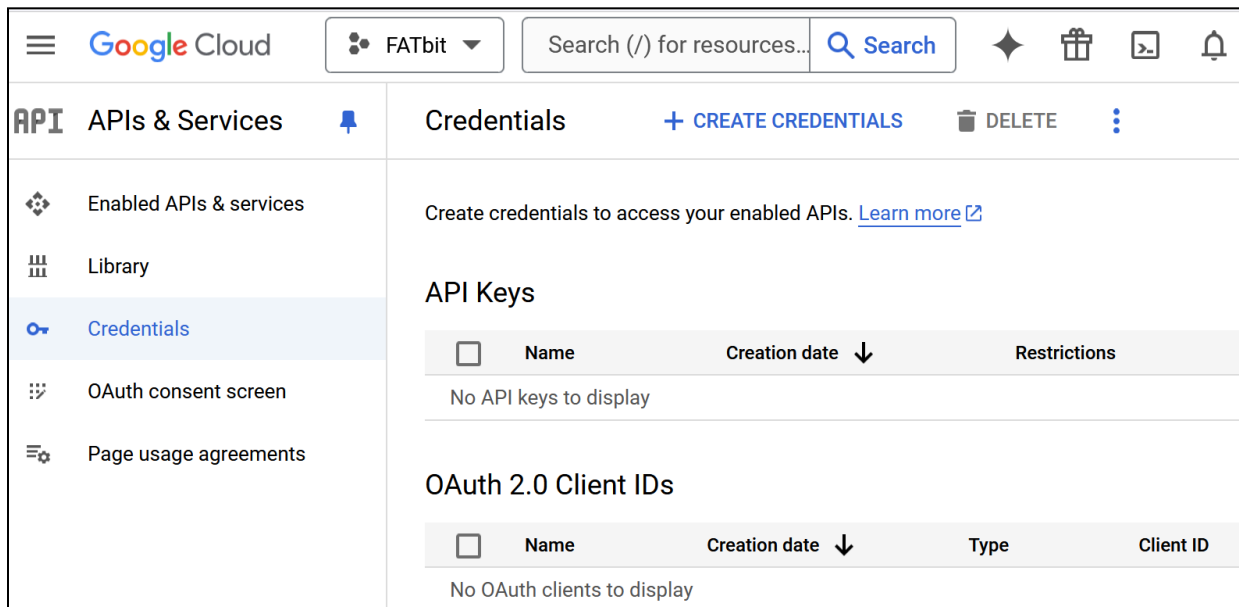
No rows to display

BACK TO DASHBOARD

Step 7: Go to Credentials

Select **Credentials** from the navigation bar.

This will direct you to the credentials page.

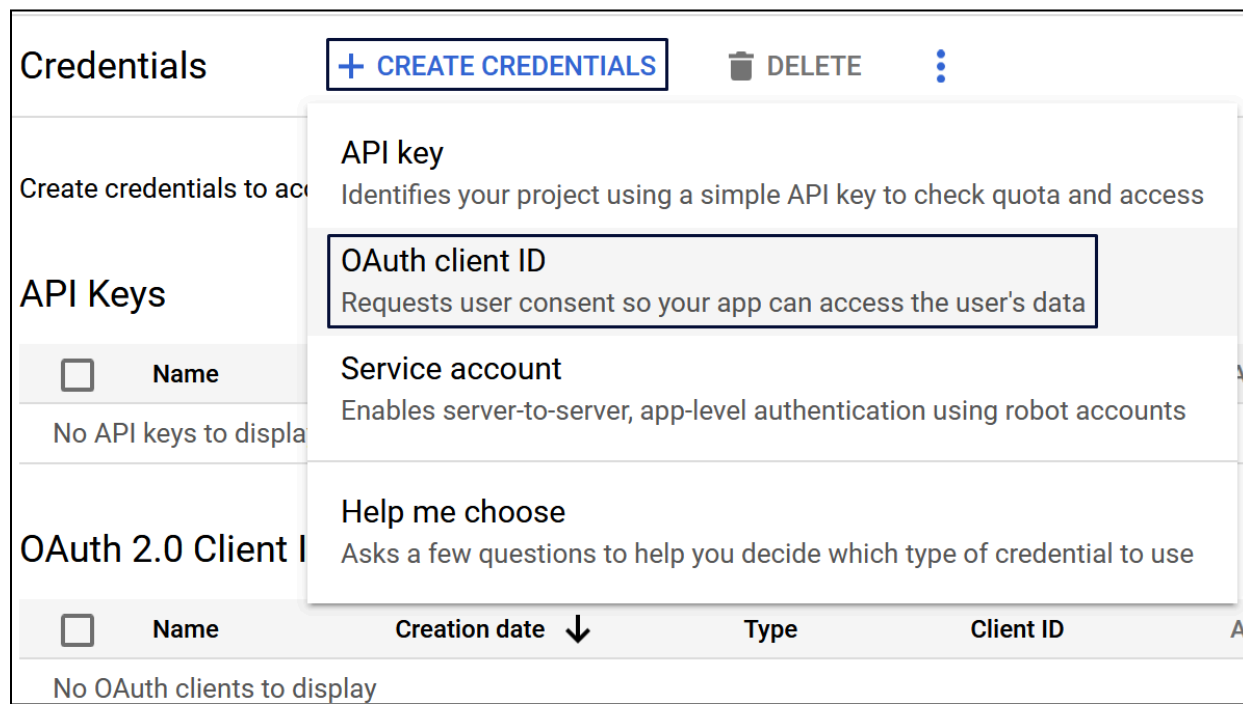


The screenshot shows the Google Cloud console interface. At the top, there's a header with the Google Cloud logo, a user profile dropdown (FATbit), a search bar, and several utility icons. The left sidebar is titled 'APIs & Services' and contains a list of navigation items: 'Enabled APIs & services', 'Library', 'Credentials' (which is highlighted with a blue bar and a key icon), 'OAuth consent screen', and 'Page usage agreements'. The main content area is titled 'Credentials' and includes a '+ CREATE CREDENTIALS' button and a 'DELETE' button. Below this, there's a section for 'API Keys' with a table header: 'Name', 'Creation date' (with a downward arrow), and 'Restrictions'. The table body shows 'No API keys to display'. Below that is a section for 'OAuth 2.0 Client IDs' with a table header: 'Name', 'Creation date' (with a downward arrow), 'Type', and 'Client ID'. The table body shows 'No OAuth clients to display'.

DISCLAIMER: The color theme and labels might differ in the screenshots as compared to on the platform. An asterisk (*) next to a label indicates that the information is mandatory.

Step 8: Create OAuth 2.0 credentials

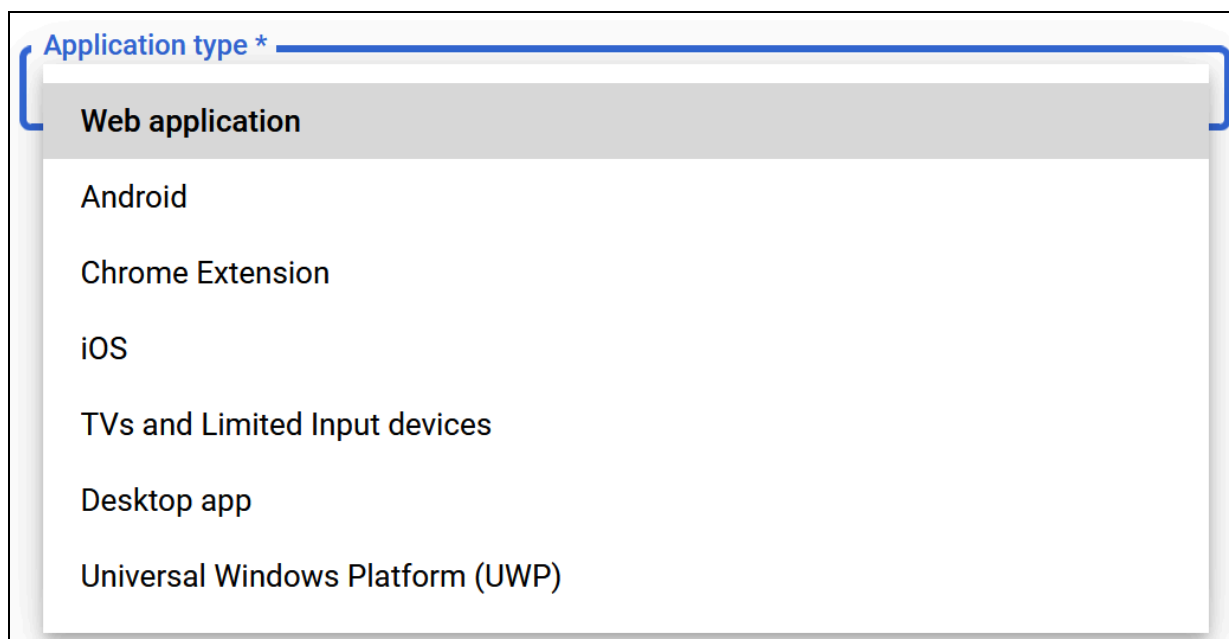
Click **+Create credentials** and select **OAuth Client IDs**.



This will direct you to the **Create OAuth client ID** form.

A screenshot of the 'Create OAuth client ID' form. At the top, there's a back arrow and the title 'Create OAuth client ID'. Below the title, there's a paragraph explaining that a client ID is used to identify a single app to Google's OAuth servers and that each app running on multiple platforms needs its own client ID. It includes links to 'Setting up OAuth 2.0' and 'Learn more' about OAuth client types. At the bottom, there's a dropdown menu labeled 'Application type' with a red asterisk indicating it's mandatory.

Click the **Application type** field to select the application type.

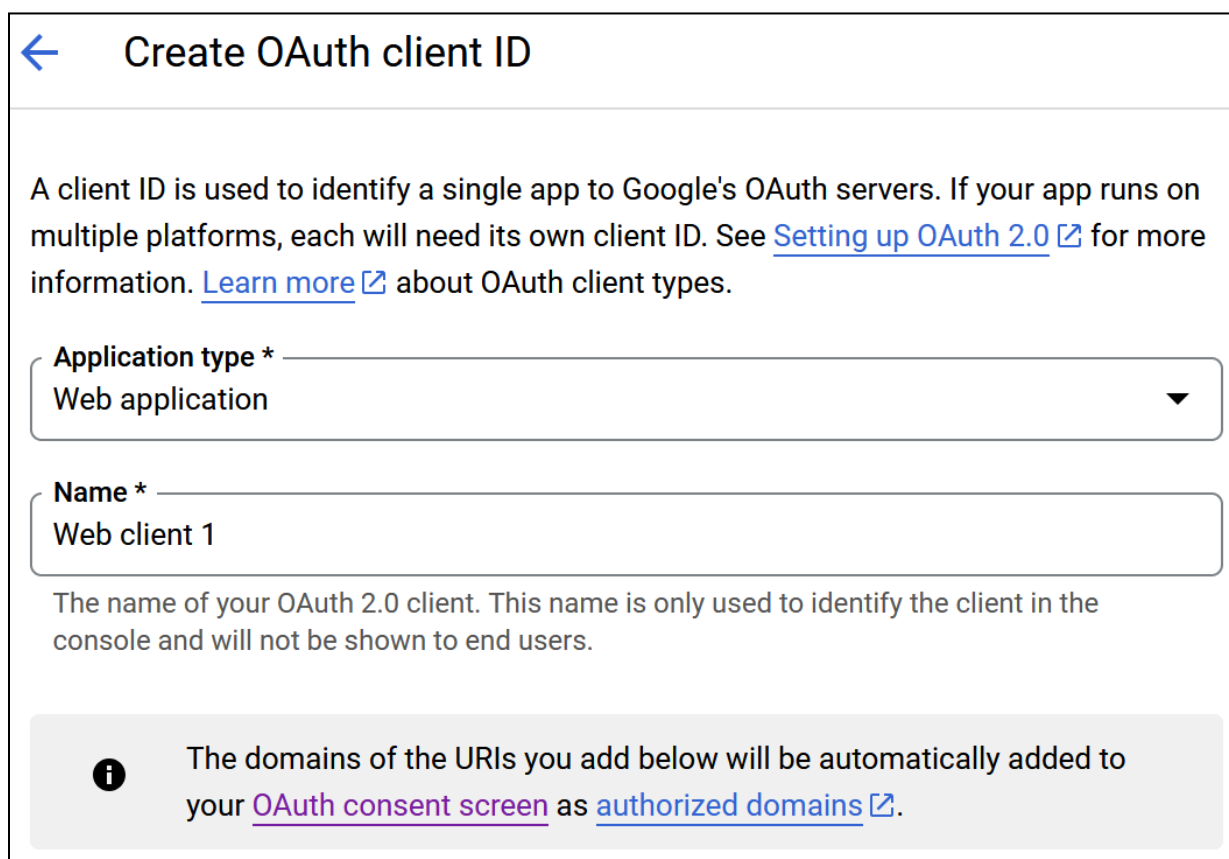


A screenshot of a dropdown menu titled "Application type *". The menu is open, showing a list of application types. The first option, "Web application", is highlighted with a grey background. The other options are "Android", "Chrome Extension", "iOS", "TVs and Limited Input devices", "Desktop app", and "Universal Windows Platform (UWP)".

- Web application
- Android
- Chrome Extension
- iOS
- TVs and Limited Input devices
- Desktop app
- Universal Windows Platform (UWP)

From the dropdown list, select **Web application**.

Once this option is selected, a new field and two additional sections will appear in the form.



A screenshot of the "Create OAuth client ID" form. The form has a back arrow on the left and a title "Create OAuth client ID". Below the title is a paragraph explaining the client ID. There are two input fields: "Application type *" with a dropdown arrow and "Name *" with a text input. Below the "Name *" field is a paragraph explaining the name. At the bottom is a grey box with an information icon and text about domains.

← Create OAuth client ID

A client ID is used to identify a single app to Google's OAuth servers. If your app runs on multiple platforms, each will need its own client ID. See [Setting up OAuth 2.0](#) for more information. [Learn more](#) about OAuth client types.

Application type *
Web application ▼

Name *
Web client 1

The name of your OAuth 2.0 client. This name is only used to identify the client in the console and will not be shown to end users.



i The domains of the URIs you add below will be automatically added to your [OAuth consent screen](#) as [authorized domains](#).

DISCLAIMER: The color theme and labels might differ in the screenshots as compared to on the platform. An asterisk (*) next to a label indicates that the information is mandatory.

- **Name*:** Enter the name of your application.

Below this field are the two additional sections.

Update them accordingly:

 The domains of the URIs you add below will be automatically added to your [OAuth consent screen](#) as [authorized domains](#) .

Authorized JavaScript origins

For use with requests from a browser

[+ ADD URI](#)

Authorized redirect URIs

For use with requests from a web server

[+ ADD URI](#)


- **Authorized JavaScript origins:** Click +Add URI to add your domain name.



A URI (Uniform Resource Identifier) is a string that identifies and provides a means to access a resource on the internet.

A field will appear.

URIs 1 *



[+ ADD URI](#)

DISCLAIMER: The color theme and labels might differ in the screenshots as compared to on the platform.
An asterisk (*) next to a label indicates that the information is mandatory.

Add your domain name in the format - <http://domainname.com> or <https://domainname.com> (if your SSL certificate is enabled).

- **Authorized redirect URIs:** Click +Add URI to add a callback URI for redirection.


A field will appear.

Authorized redirect URIs

For use with requests from a web server

URIs 1 *

https://www.example.com



+ ADD URI

Note: It may take 5 minutes to a few hours for settings to take effect

CREATE

CANCEL

Enter in the following format: <https://{domain-name}/guest-user/google-login>

For example, if your domain is: <https://demo.yo-gigs.com/> – the URI would be: <https://demo.yo-gigs.com/guest-user/google-login>


Click **Create**.




Step 9: Download the JSON file


The keys will be created, and a pop-up dialog box displaying them will appear.

OAuth client created

The client ID and secret can always be accessed from Credentials in APIs & Services

 OAuth access is restricted to the [test users](#) listed on your [OAuth consent screen](#)

Client ID	<div>576271428464</div> <div>client_id=5762714284647ggsqz10nsl3nawf1app</div> <div>8.googleusercontent.com</div> <div></div>
Client secret	<div>00X3B7K-c22=8846y67L2d8y4U0W5Uf28</div> <div></div>
Creation date	August 27, 2024 at 4:13:17 PM GMT+5
Status	 Enabled

 **DOWNLOAD JSON**

OK

Click **Download JSON** to save the JSON file to your system.

Then, click **OK** to close the dialog box.

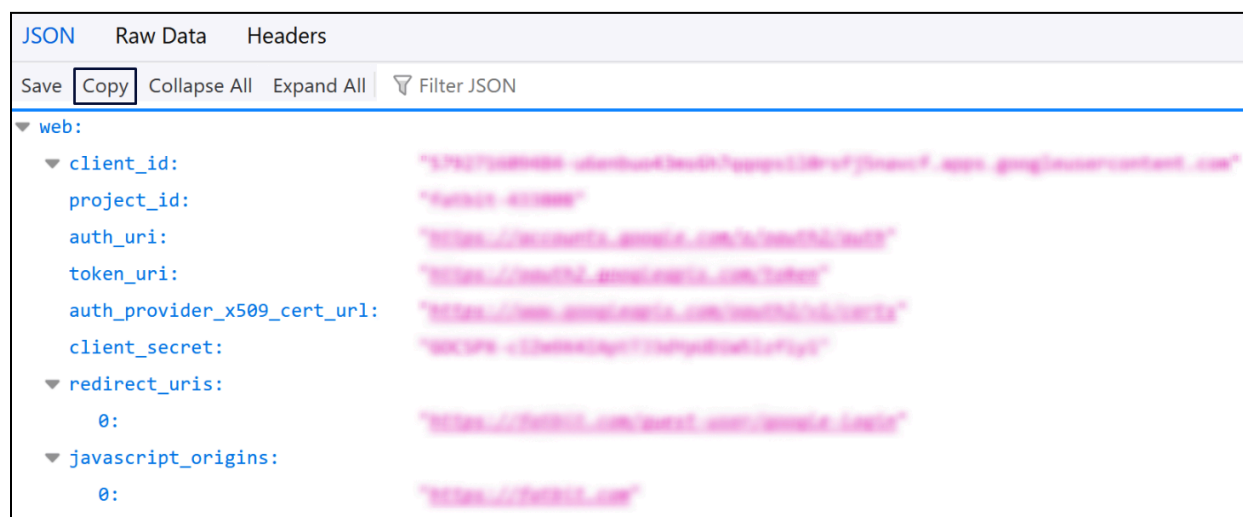
DISCLAIMER: The color theme and labels might differ in the screenshots as compared to on the platform.
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Step 10: Open the JSON file & copy it

Open the JSON file downloaded into your system.

The JSON will open in your web browser.

Select **Copy** to copy it.



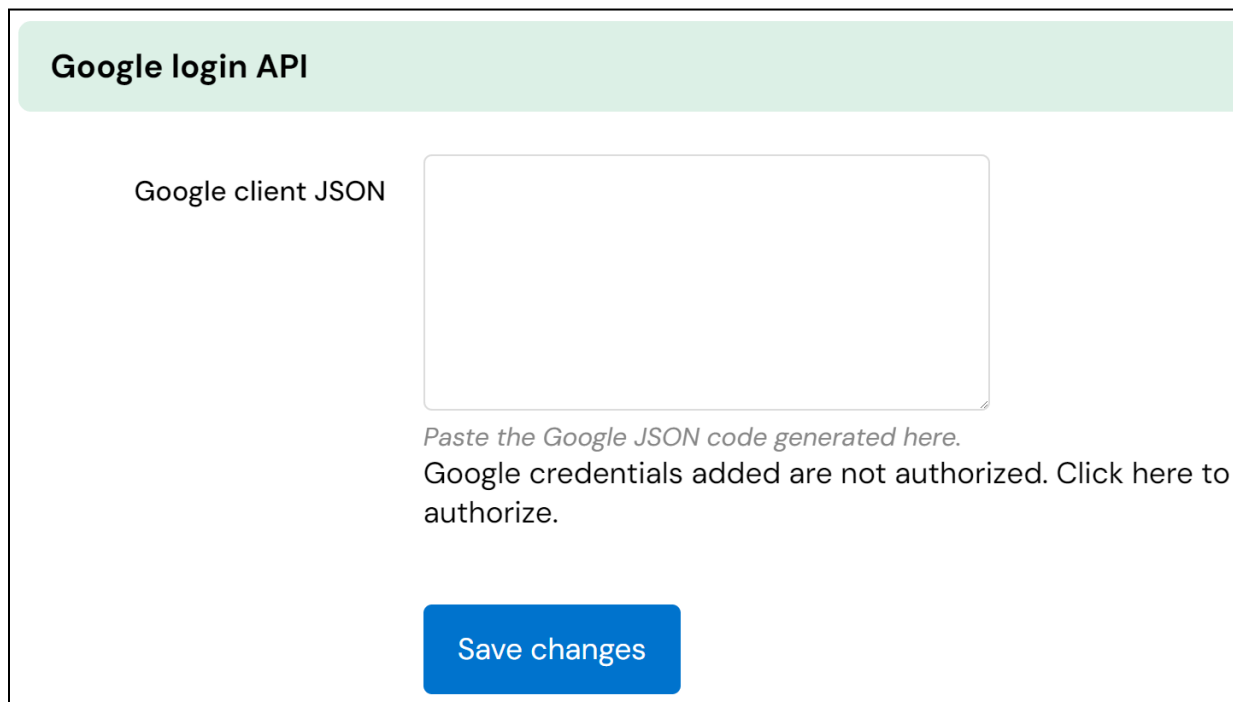
DISCLAIMER: The color theme and labels might differ in the screenshots as compared to on the platform. An asterisk (*) next to a label indicates that the information is mandatory.

Step 11: Paste it on the Yo!Gigs admin panel

On another tab, open the admin panel of your platform.

Go to **Settings > System configurations > Third-party APIs** tab.

Paste this code in the **Google client JSON** field.



The screenshot shows the 'Google login API' configuration panel. It has a light green header with the title 'Google login API'. Below the header, there is a label 'Google client JSON' next to a large, empty text input field. Below the input field, there is a message: 'Paste the Google JSON code generated here. Google credentials added are not authorized. Click here to authorize.' At the bottom of the panel, there is a blue button labeled 'Save changes'.

Click **Save changes** to update the details in the system.

Then, click the **Click here to authorize** link to complete the authorization process.

Paste the Google JSON code generated here.
Google credentials added are not authorized. [Click here to authorize.](#)

Click **Save changes** once again.

This will configure the **Google login API** in the system.

Working of the Google login API

Users will be able to log into the platform and create their profiles using their Google credentials.

The screenshot shows a login interface with the following elements:

- Header:** A close button (X) in the top right corner.
- Title:** "Login" centered at the top.
- Sign in with Google:** A button with the Google logo and text, highlighted with a red box.
- Sign in with Apple:** A button with the Apple logo and text.
- Separator:** "OR" centered between the social login buttons.
- Email Field:** A text input field labeled "Email".
- Password Field:** A text input field labeled "Password" with an eye icon for toggling visibility.
- Remember me:** A checkbox labeled "Remember me".
- Forgot password?:** A link labeled "Forgot password?".
- Login Button:** A green button labeled "Login".
- Footer:** "Do not have an account? [Create an account](#)".

When a user selects **Sign in with Google**, they will be directed to the Google login page to log into their Google account. After logging in, they will be redirected back to the platform.

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Visit <https://www.yo-gigs.com/> to know more!



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