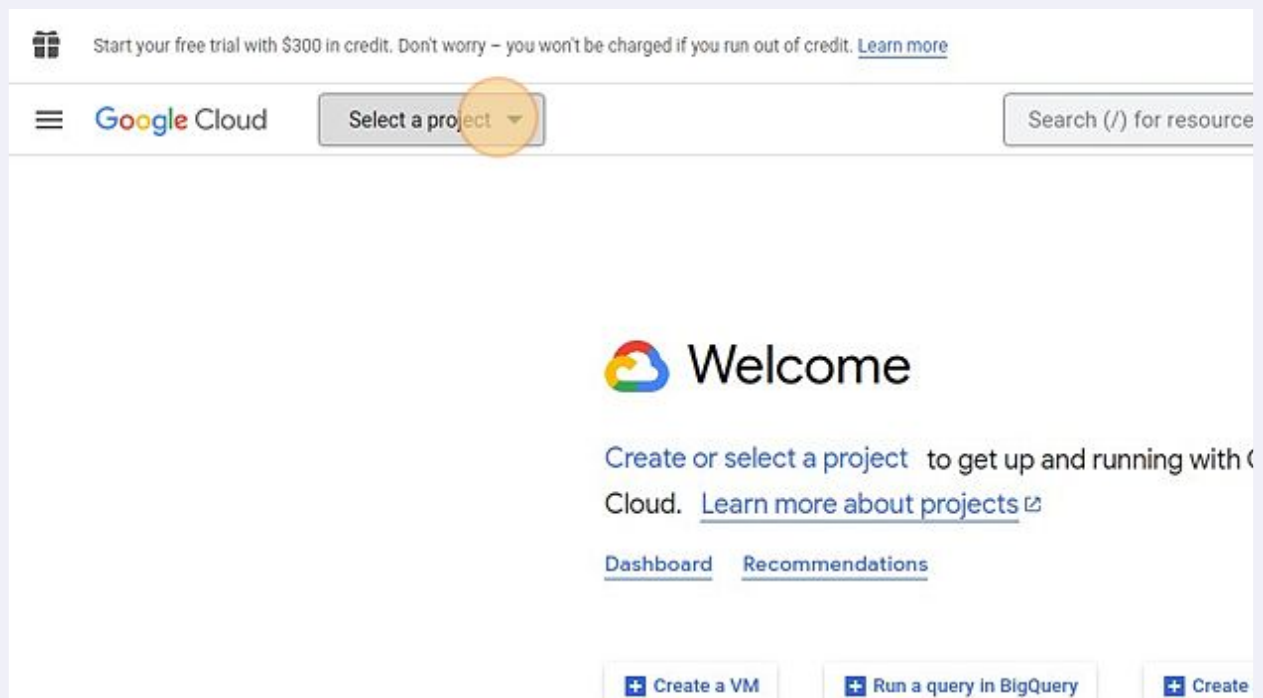


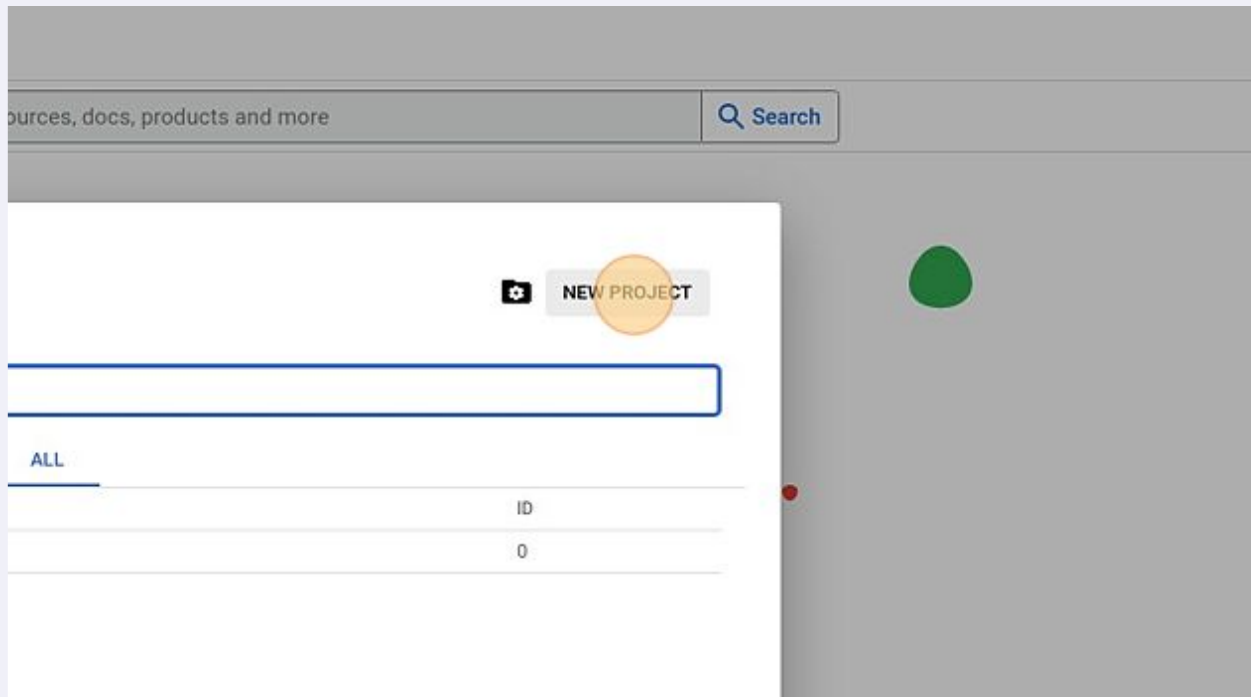
How to Set Up a Gmail API Project

1 Navigate to console.cloud.google.com

2 After accepting the ToS, click "Select a project".



3 Click "NEW PROJECT"

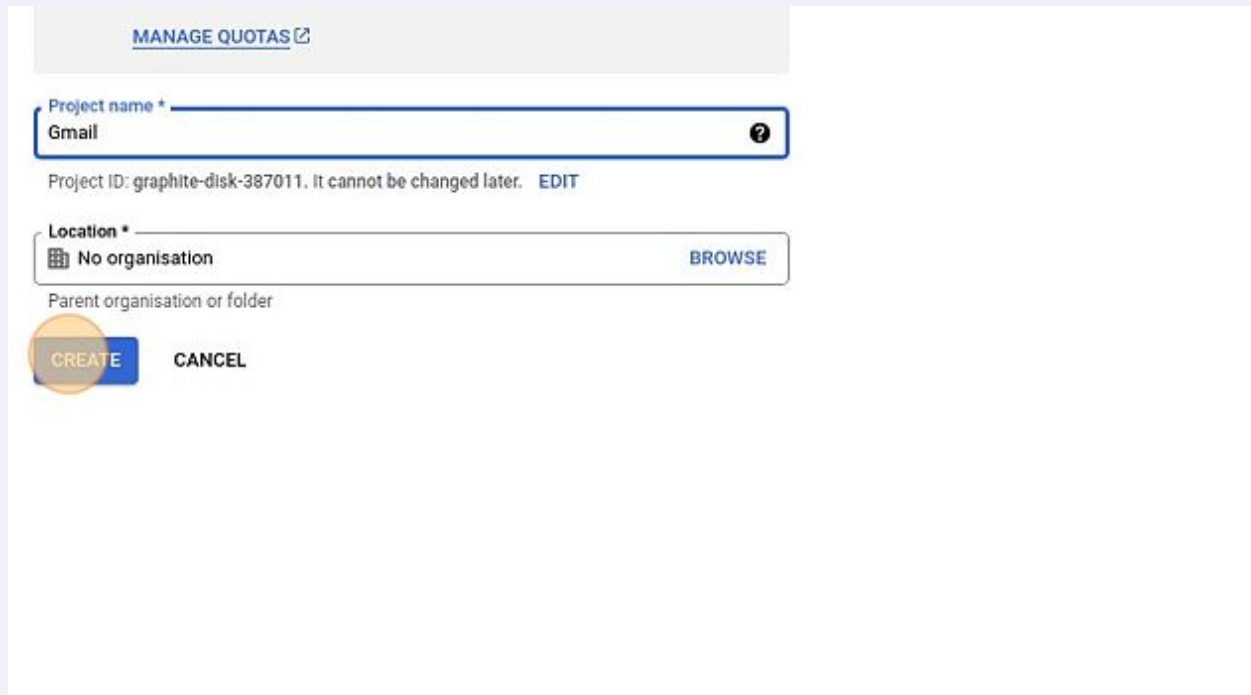


4 Click the "Project name" field.

A screenshot of the 'New Project' form in a web application. The form has a title 'New Project' at the top. Below the title, there is a warning message: 'You have 11 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)'. Below the warning is a link 'MANAGE QUOTAS'. The 'Project name' field is highlighted with an orange circle; it contains the text 'My Project 42966' and has a question mark icon to its right. Below the project name field, it says 'Project ID: winter-origin-387011. It cannot be changed later. [EDIT](#)'. The 'Location' field is set to 'No organisation' with a 'BROWSE' button to its right. At the bottom of the form are two buttons: 'CREATE' and 'CANCEL'.

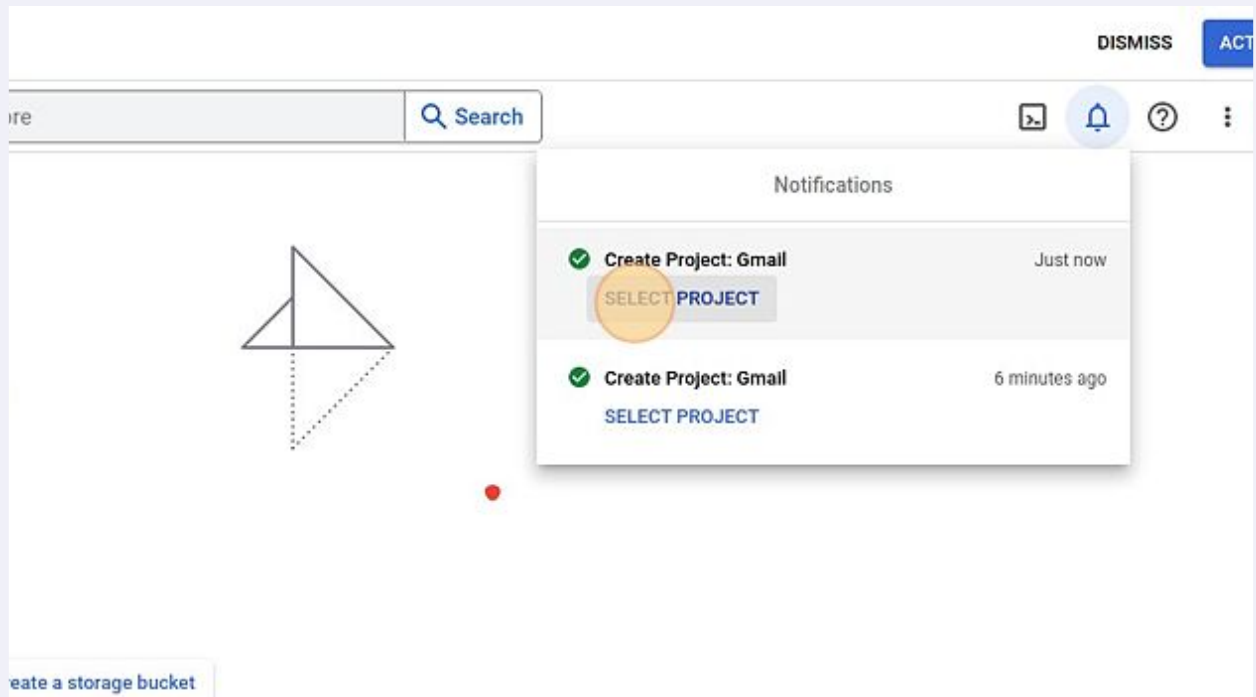
5 Enter the name of your project.

6 Click "CREATE"



The screenshot shows the Google Cloud project creation interface. At the top, there is a link for [MANAGE QUOTAS](#). Below this, the 'Project name' field is highlighted with a red box and contains the text 'Gmail'. To the right of the input field is a question mark icon. Below the project name field, the 'Project ID' is displayed as 'graphite-disk-387011', with a note stating 'It cannot be changed later.' and an [EDIT](#) link. The 'Location' field is also highlighted with a red box and contains the text 'No organisation'. To the right of the input field is a [BROWSE](#) link. Below the location field, the text 'Parent organisation or folder' is visible. At the bottom left, there is a red circular button with the text 'CREATE' and a blue button with the text 'CANCEL'.

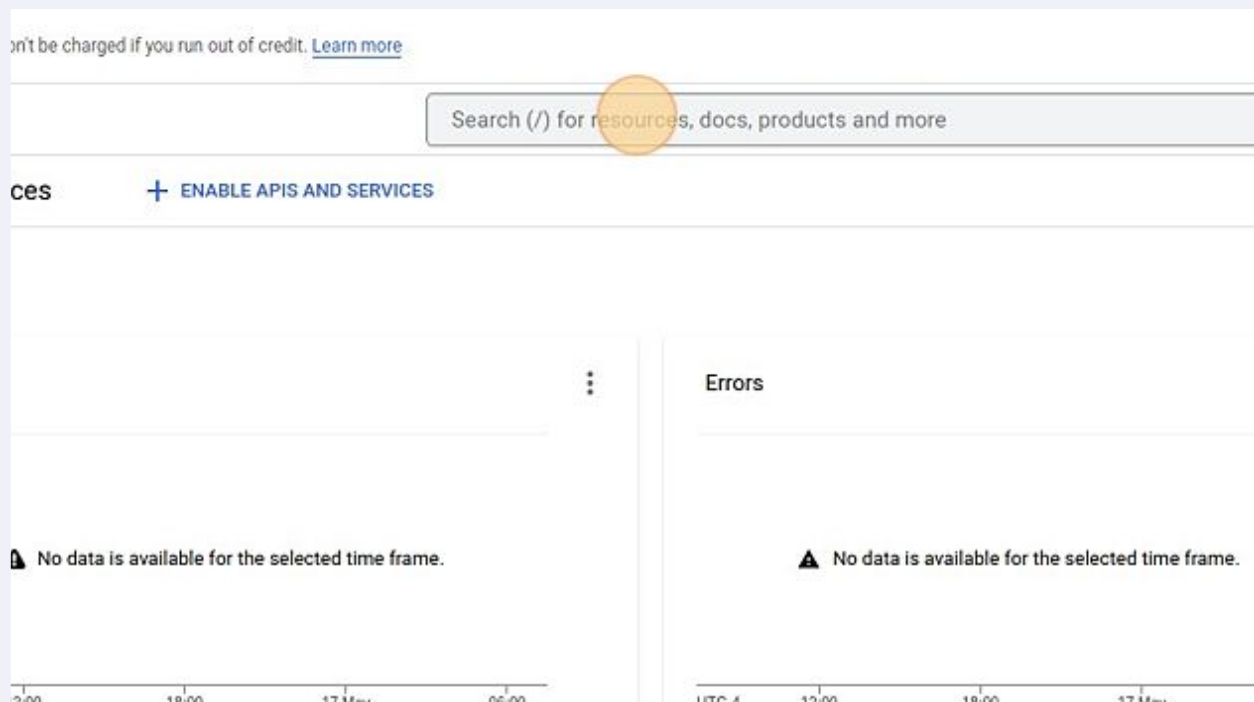
- 7 Wait for the project to be finished and click "SELECT PROJECT"



- 8 First we want to enable the Gmail API.

9

Click the "Search (/) for resources, docs, products and more" field.



10

Type "Gmail api"

11 Click "Gmail API"

No data is available for the selected time frame

12:00 18:00 17 May

Filter

↓ Requests

API

Migration API

Storage API

Firestore API

Cloud Scheduler API

Cloud Pub/Sub API

Cloud Monitoring API

New ways to manage language settings using the Gmail API
Today we're extending the Gmail API by bringing developers...

Mail with Headers or Attachments - App Engine
When you send mail using the Mail API, there are some...

Sending and Receiving Mail with the Mail API - PHP 5
PHP's built-in mail() function can send emails via App Engine...

[See more results for documentation and tutorials](#)

MARKETPLACE

Gmail API
Google Enterprise API

Behavox GCP Marketplace
Behavox

Bigtable
Google


Comeen Workplace
Comeen

Cortex XSOAR
Palo Alto Networks, Inc.

Enterprise Bot Omni Channel AI (Chatbot, Voicebot, Emailbot)

12 Click "ENABLE"

← Product details

 **Gmail API**
[Google Enterprise API](#)

View and manage Gmail mailbox data.

ENABLE [TRY THIS API](#)

Click to enable this API

[OVERVIEW](#) [DOCUMENTATION](#) [SUPPORT](#) [RELATED PRODUCTS](#)

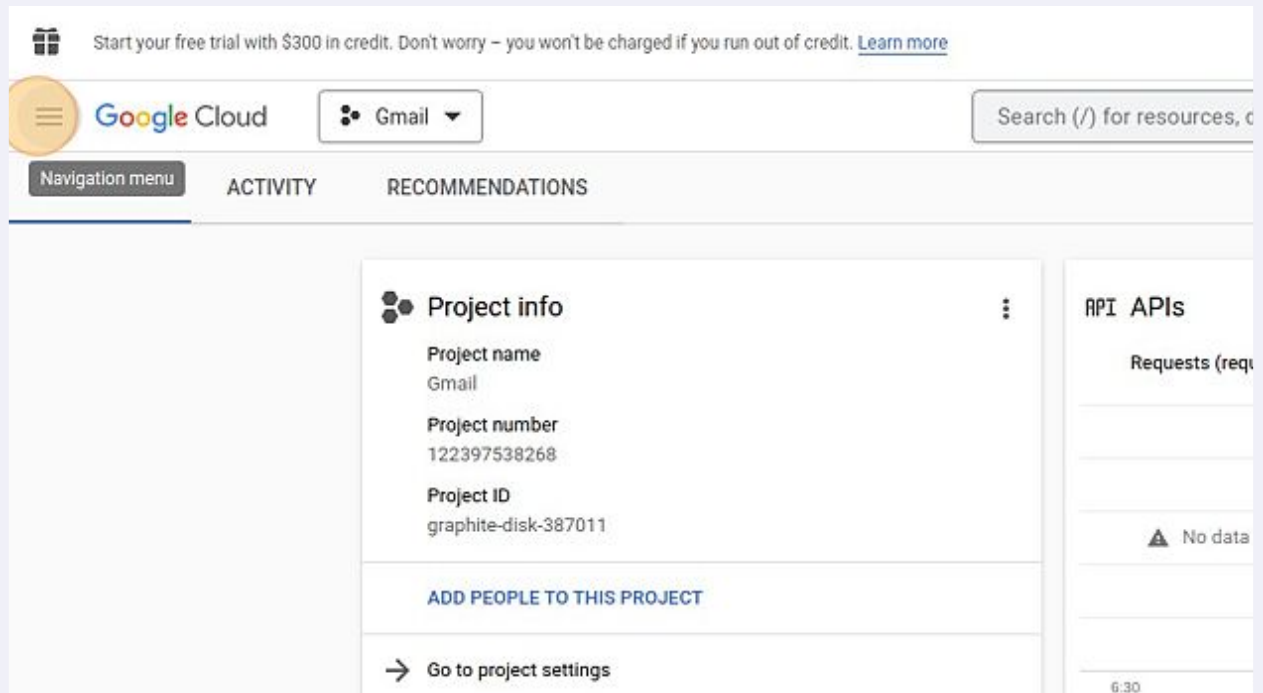
Overview

With the Gmail API, you can view and manage Gmail mailbox data like threads, messages, and labels.

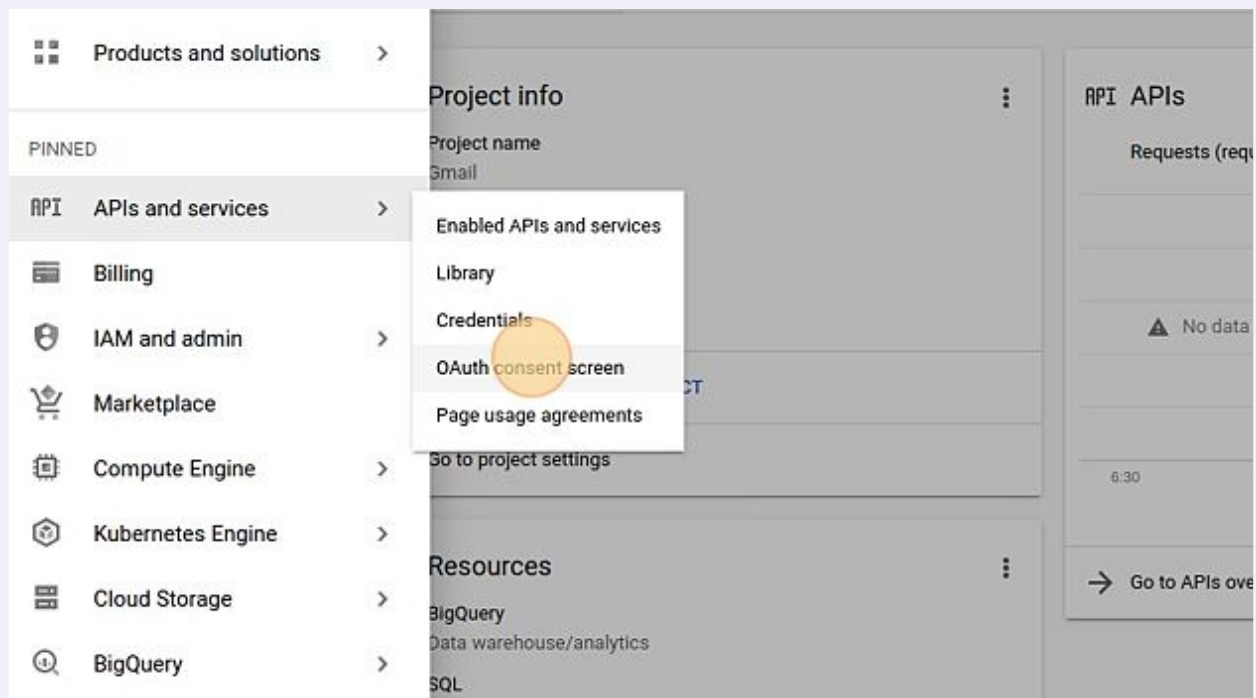
Additional details

13 Next, we want to configure an OAuth consent screen.

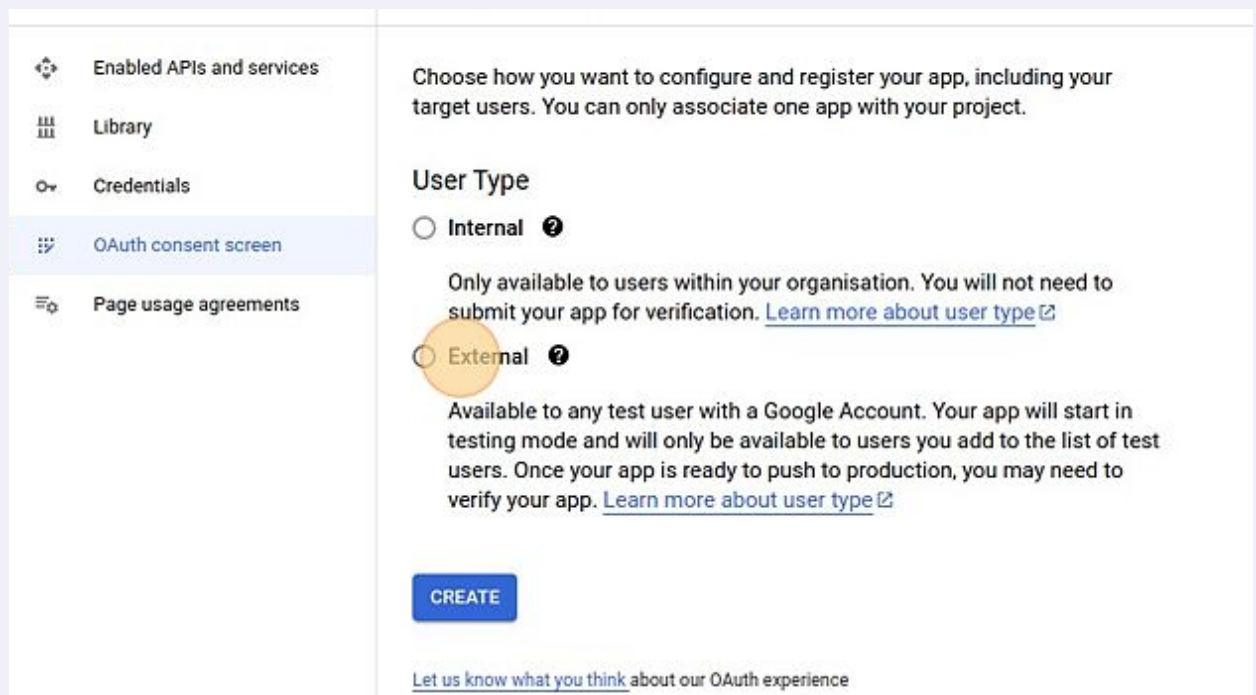
14 Click on the burger menu in the top left corner.



15 Click on OAuth consent screen.



16 Click "External"



17 Click "CREATE"

Page usage agreements

Only available to users within your organisation. You will not need to submit your app for verification. [Learn more about user type](#)

External ?

Available to any test user with a Google Account. Your app will start in testing mode and will only be available to users you add to the list of test users. Once your app is ready to push to production, you may need to verify your app. [Learn more about user type](#)

CREATE

[Let us know what you think](#) about our OAuth experience

18 Click the "App name" field.

Enabled APIs and services

Library

Credentials

OAuth consent screen

Page usage agreements

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

App name

The name of the app asking for consent

User support email *

For users to contact you with questions about their consent

App logo

This is your logo. It helps people to recognise 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

- 19 Enter the name of your app. This name will be shown in the consent screen.

- 20 Click on the drop down menu to select the User support email.

Library

- Credentials
- OAuth consent screen
- Page usage agreements

App information

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

App name *
App_name

The name of the app asking for consent

User support email *

For users to contact you with questions about their consent

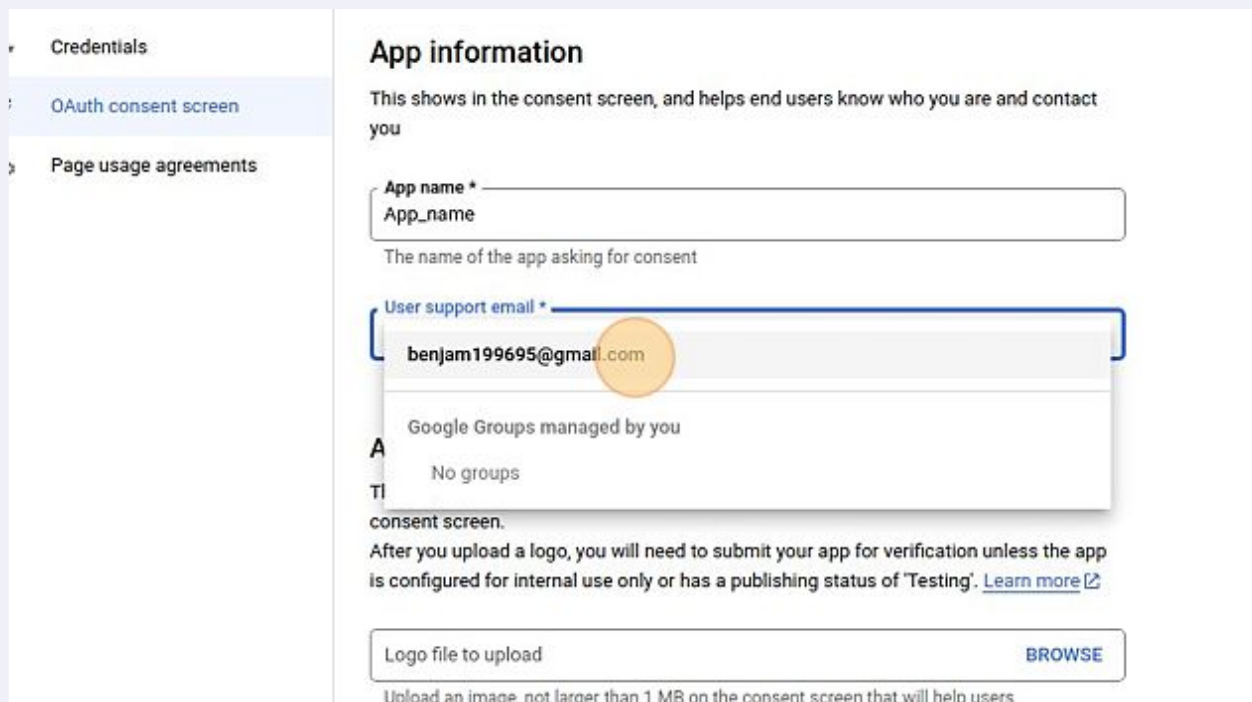
App logo

This is your logo. It helps people to recognise 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](#)

Logo file to upload BROWSE

21 Select the email you want to choose.



Credentials

OAuth consent screen

Page usage agreements

App information

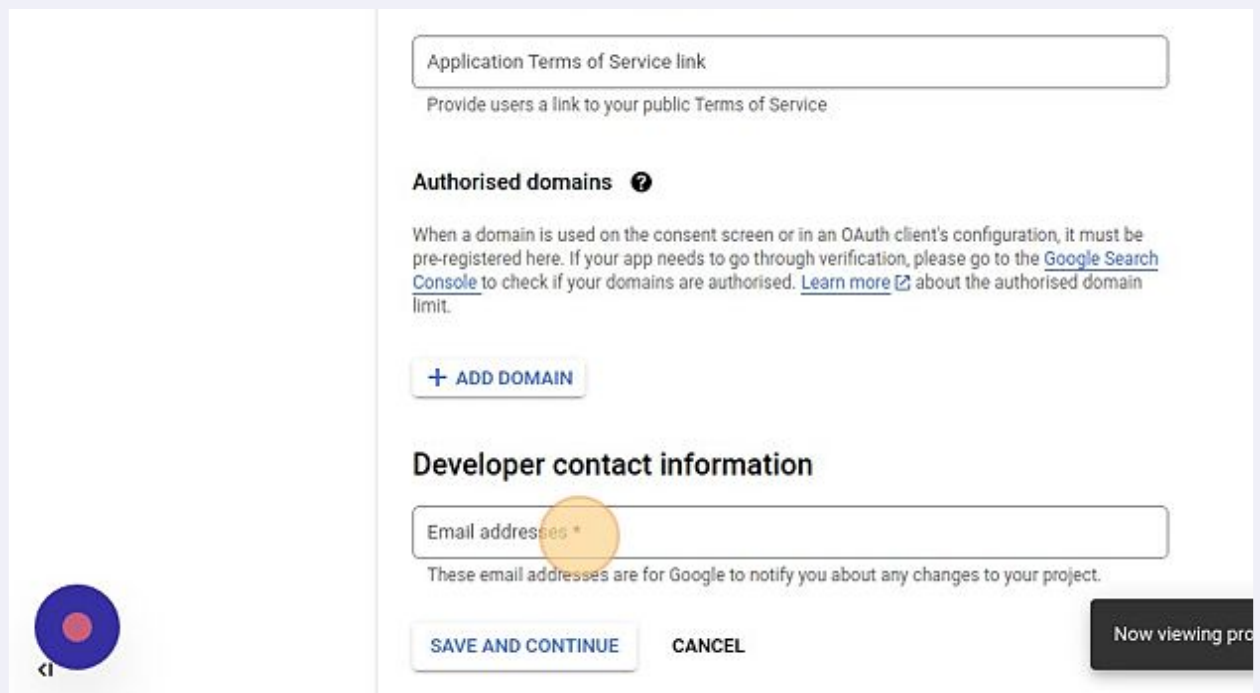
This shows in the consent screen, and helps end users know who you are and contact you

App name *
App_name
The name of the app asking for consent

User support email *
benjam199695@gmail.com
Google Groups managed by you
No groups

Logo file to upload [BROWSE](#)
Upload an image, not larger than 1 MB on the consent screen that will help users

22 Enter your Developer contact information.



Application Terms of Service link
Provide users a link to your public Terms of Service

Authorised 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 authorised. [Learn more](#) about the authorised domain limit.

[+ ADD DOMAIN](#)

Developer contact information

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

[SAVE AND CONTINUE](#) [CANCEL](#) [Now viewing pro](#)

23 Click "SAVE AND CONTINUE"

Application Terms of Service link

Provide users a link to your public Terms of Service

Authorised 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 authorised. [Learn more](#) about the authorised domain limit.

+ ADD DOMAIN

Developer contact information

Email addresses *

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

SAVE AND CONTINUE CANCEL

Now viewing pro

24 Click "ADD OR REMOVE SCOPES"

APIs and services

- Enabled APIs and services
- Library
- Credentials
- OAuth consent screen**
- Page usage agreements

Edit app registration

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

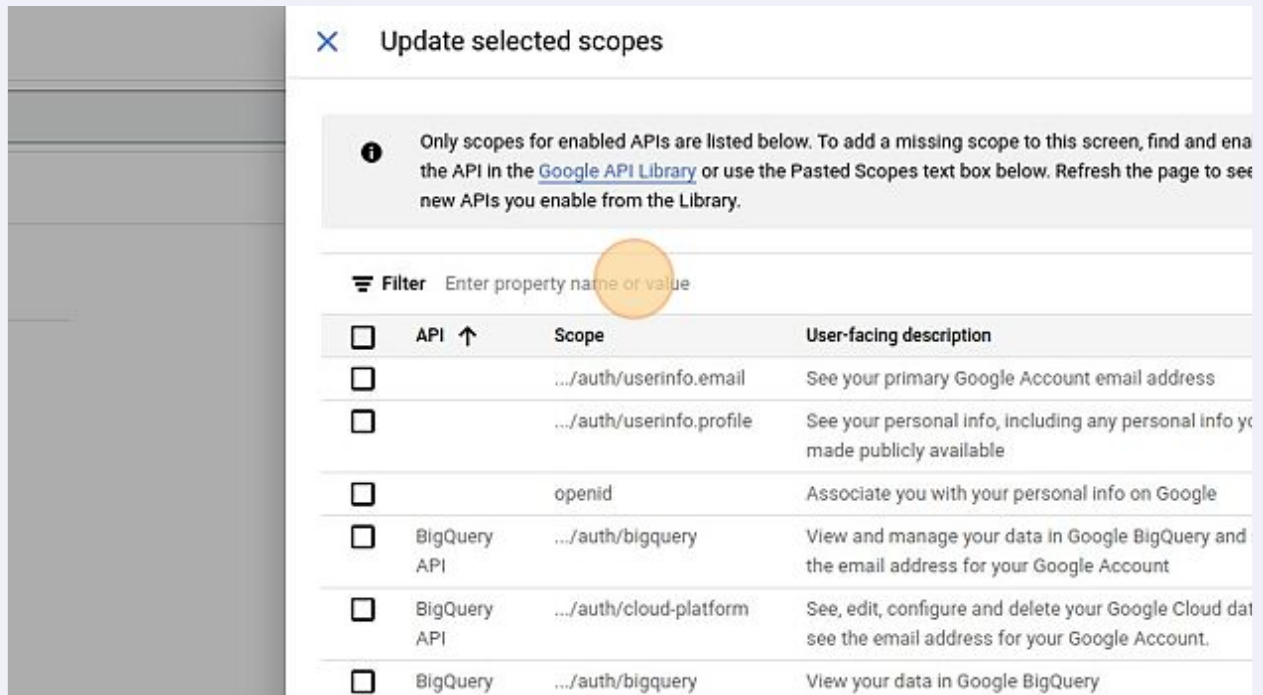
Scopes express the permissions that you request users to authorise for your app and allow your project to access specific types of private user data from their Google Account. [Learn more](#)

ADD OR REMOVE SCOPES

Your non-sensitive scopes

API ↑	Scope	User-facing description
No rows to display		

25 Click here.



Update selected scopes

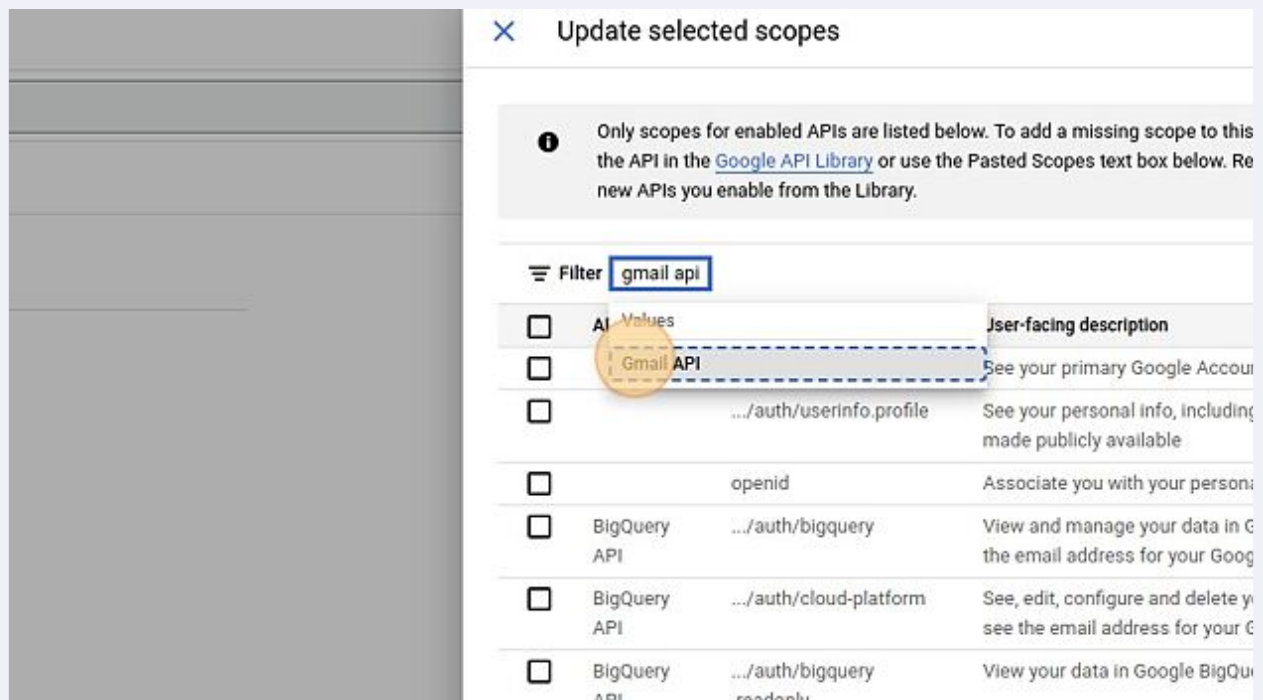
i Only scopes for enabled APIs are listed below. To add a missing scope to this screen, find and enable the API in the [Google API Library](#) or use the Pasted Scopes text box below. Refresh the page to see new APIs you enable from the Library.

Filter Enter property name or value

<input type="checkbox"/>	API ↑	Scope	User-facing description
<input type="checkbox"/>		.../auth/userinfo.email	See your primary Google Account email address
<input type="checkbox"/>		.../auth/userinfo.profile	See your personal info, including any personal info you made publicly available
<input type="checkbox"/>		openid	Associate you with your personal info on Google
<input type="checkbox"/>	BigQuery API	.../auth/bigquery	View and manage your data in Google BigQuery and the email address for your Google Account
<input type="checkbox"/>	BigQuery API	.../auth/cloud-platform	See, edit, configure and delete your Google Cloud data; see the email address for your Google Account.
<input type="checkbox"/>	BigQuery	.../auth/bigquery	View your data in Google BigQuery

26 Search for the Gmail API.

27 Click "Gmail API"



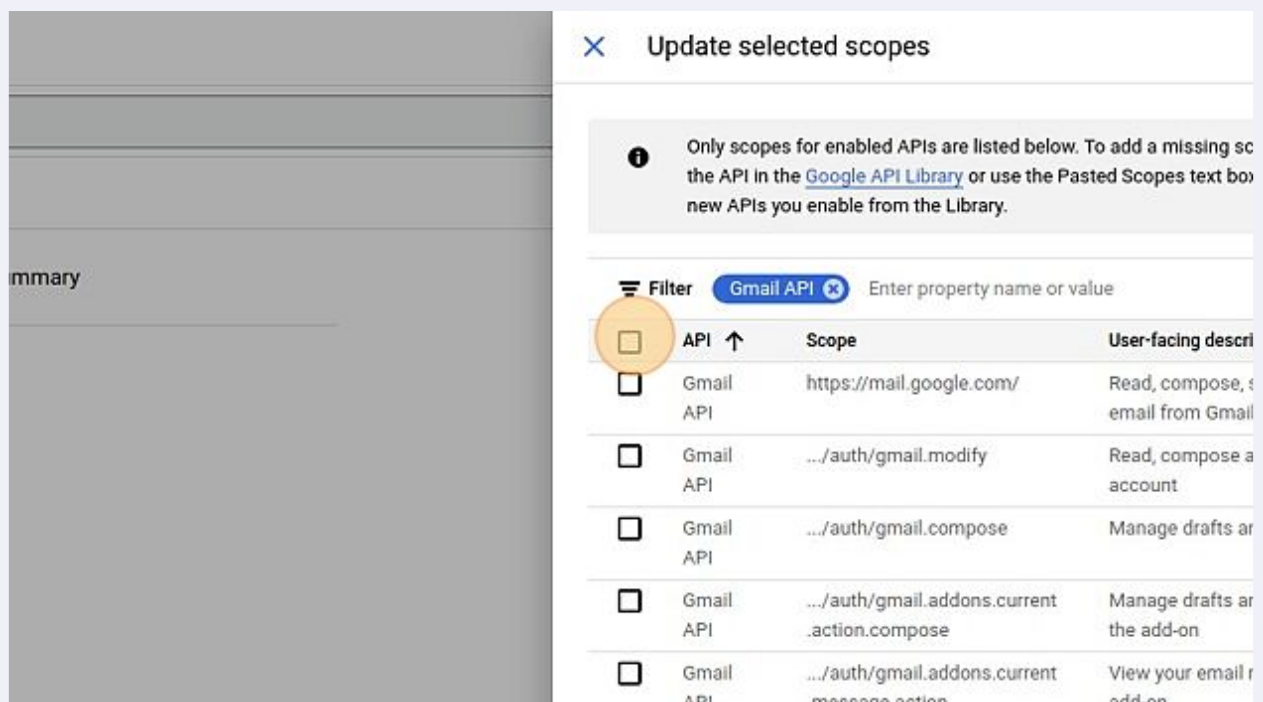
Update selected scopes

Only scopes for enabled APIs are listed below. To add a missing scope to this the API in the [Google API Library](#) or use the Pasted Scopes text box below. Re new APIs you enable from the Library.

Filter

<input type="checkbox"/>	API	Scope	User-facing description
<input type="checkbox"/>	Gmail API	...	See your primary Google Account
<input type="checkbox"/>		.../auth/userinfo.profile	See your personal info, including made publicly available
<input type="checkbox"/>		openid	Associate you with your person
<input type="checkbox"/>	BigQuery API	.../auth/bigquery	View and manage your data in C the email address for your Goog
<input type="checkbox"/>	BigQuery API	.../auth/cloud-platform	See, edit, configure and delete y see the email address for your C
<input type="checkbox"/>	BigQuery API	.../auth/bigquery readonly	View your data in Google BigQu

28 Click "Select all rows"



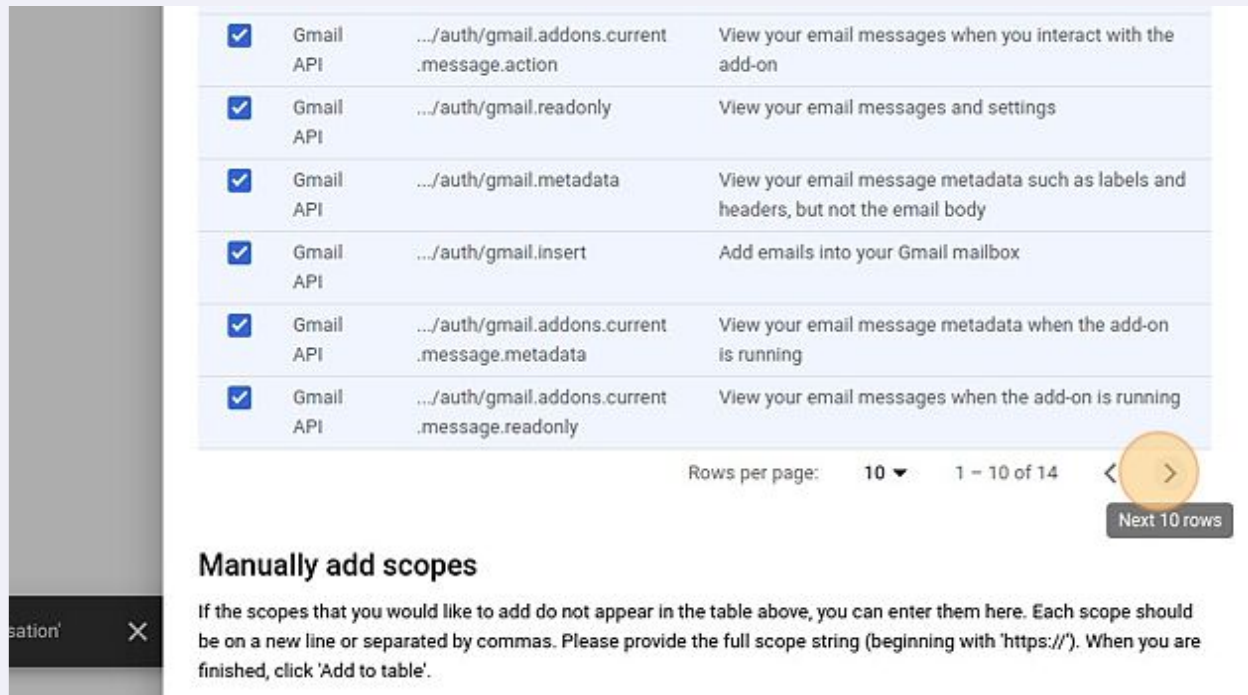
Update selected scopes

Only scopes for enabled APIs are listed below. To add a missing sc the API in the [Google API Library](#) or use the Pasted Scopes text box new APIs you enable from the Library.

Filter Enter property name or value

<input type="checkbox"/>	API	Scope	User-facing descri
<input type="checkbox"/>	Gmail API	https://mail.google.com/	Read, compose, s email from Gmail
<input type="checkbox"/>	Gmail API	.../auth/gmail.modify	Read, compose a account
<input type="checkbox"/>	Gmail API	.../auth/gmail.compose	Manage drafts ar
<input type="checkbox"/>	Gmail API	.../auth/gmail.addons.current .action.compose	Manage drafts ar the add-on
<input type="checkbox"/>	Gmail API	.../auth/gmail.addons.current message action	View your email r add-on

29 Click this icon.



<input checked="" type="checkbox"/>	Gmail API	.../auth/gmail.addons.current.message.action	View your email messages when you interact with the add-on
<input checked="" type="checkbox"/>	Gmail API	.../auth/gmail.readonly	View your email messages and settings
<input checked="" type="checkbox"/>	Gmail API	.../auth/gmail.metadata	View your email message metadata such as labels and headers, but not the email body
<input checked="" type="checkbox"/>	Gmail API	.../auth/gmail.insert	Add emails into your Gmail mailbox
<input checked="" type="checkbox"/>	Gmail API	.../auth/gmail.addons.current.message.metadata	View your email message metadata when the add-on is running
<input checked="" type="checkbox"/>	Gmail API	.../auth/gmail.addons.current.message.readonly	View your email messages when the add-on is running

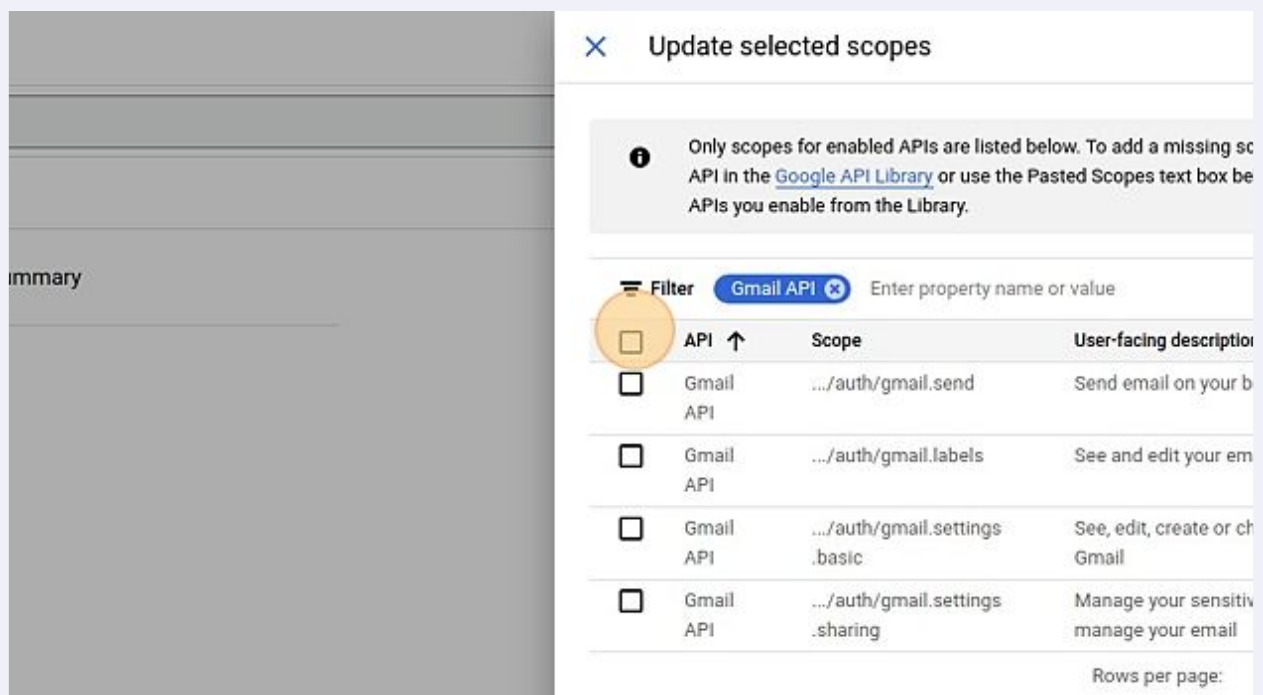
Rows per page: 10 ▼ 1 – 10 of 14 < >

Next 10 rows

Manually add scopes

If the scopes that 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'.

30 Click "Select all rows"



Update selected scopes

i Only scopes for enabled APIs are listed below. To add a missing scope API in the [Google API Library](#) or use the Pasted Scopes text box below APIs you enable from the Library.

Filter Gmail API ☒ Enter property name or value

<input checked="" type="checkbox"/>	API ↑	Scope	User-facing description
<input type="checkbox"/>	Gmail API	.../auth/gmail.send	Send email on your behalf
<input type="checkbox"/>	Gmail API	.../auth/gmail.labels	See and edit your email labels
<input type="checkbox"/>	Gmail API	.../auth/gmail.settings.basic	See, edit, create or change basic Gmail settings
<input type="checkbox"/>	Gmail API	.../auth/gmail.settings.sharing	Manage your sensitive information and manage your email sharing

Rows per page:

31 Click "UPDATE"

Rows per page:

Manually add scopes

If the scopes that you would like to add do not appear in the table above, you can add them on a new line or separated by commas. Please provide the full scope string (beginning with 'https://www.googleapis.com/auth/'). When you're finished, click 'Add to table'.

ADD TO TABLE

UPDATE

ing project 'Gmail' in organisation 'No organisation' X

32 Click "SAVE AND CONTINUE"

Gmail API	.../auth/gmail.modify	Read, compose and send emails from your Gmail account	
Gmail API	.../auth/gmail.compose	Manage drafts and send emails	
Gmail API	.../auth/gmail.readonly	View your email messages and settings	
Gmail API	.../auth/gmail.metadata	View your email message metadata such as labels and headers, but not the email body	
Gmail API	.../auth/gmail.insert	Add emails into your Gmail mailbox	
Gmail API	.../auth/gmail.settings.basic	See, edit, create or change your email settings and filters in Gmail	
Gmail API	.../auth/gmail.settings.sharing	Manage your sensitive email settings, including who can manage your email	

SAVE AND CONTINUE CANCEL

Now viewing project

33

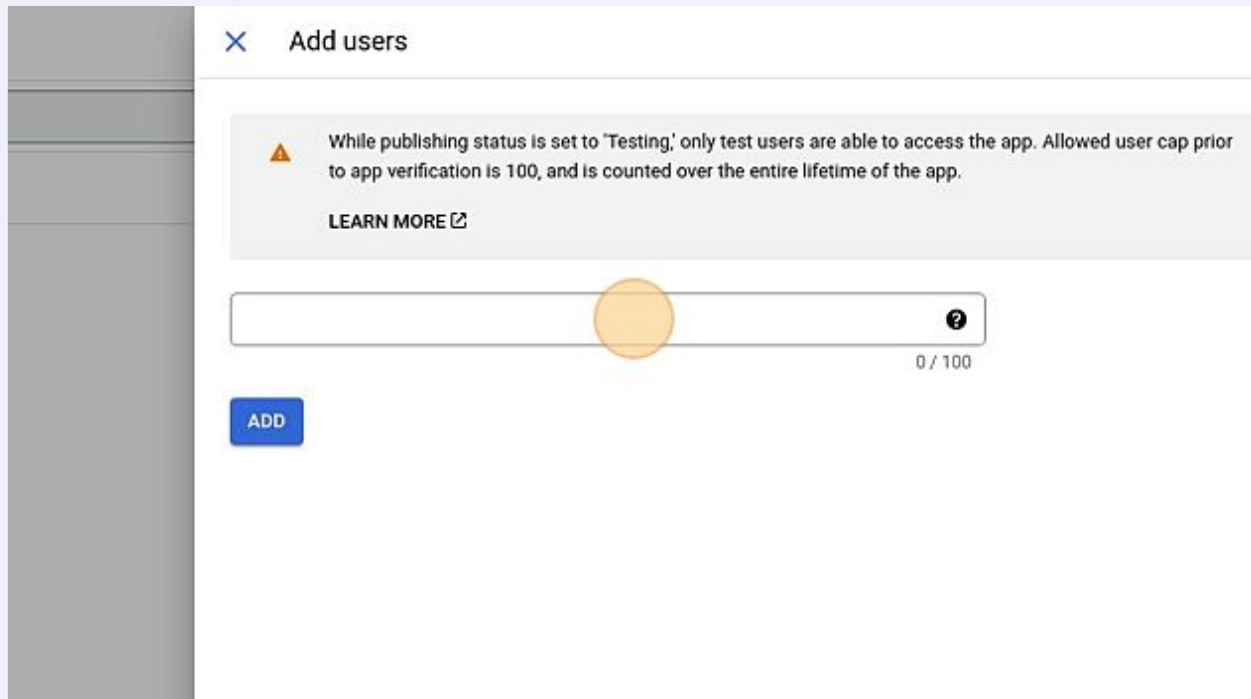
Next, we need to add test users to our project. We can add up to 100 users. Only the email addresses specified here are able to use the project.

34

Click "ADD USERS"

The screenshot shows the Google Cloud console interface for configuring an application. On the left is a sidebar with navigation links: 'Enabled APIs and services', 'Library', 'Credentials', 'OAuth consent screen' (which is highlighted), and 'Page usage agreements'. The main content area has a top navigation bar with four steps: 'OAuth consent screen' (checked), 'Scopes' (checked), 'Test users' (active, indicated by a blue circle with the number 3), and 'Summary' (indicated by a grey circle with the number 4). Below this bar, the 'Test users' section is titled. It contains a paragraph explaining that only test users can access the app while in 'Testing' status, with a limit of 100 users over the app's lifetime, and a link to 'Learn more'. A prominent orange circular button with a plus sign and the text '+ ADD USERS' is displayed. Below the button is a filter bar with the label 'Filter' and a placeholder 'Enter property name or value'. Underneath the filter is a table with one header row 'User information' and one data row containing the text 'No rows to display'. At the bottom of the main content area are two buttons: 'SAVE AND CONTINUE' and 'CANCEL'.

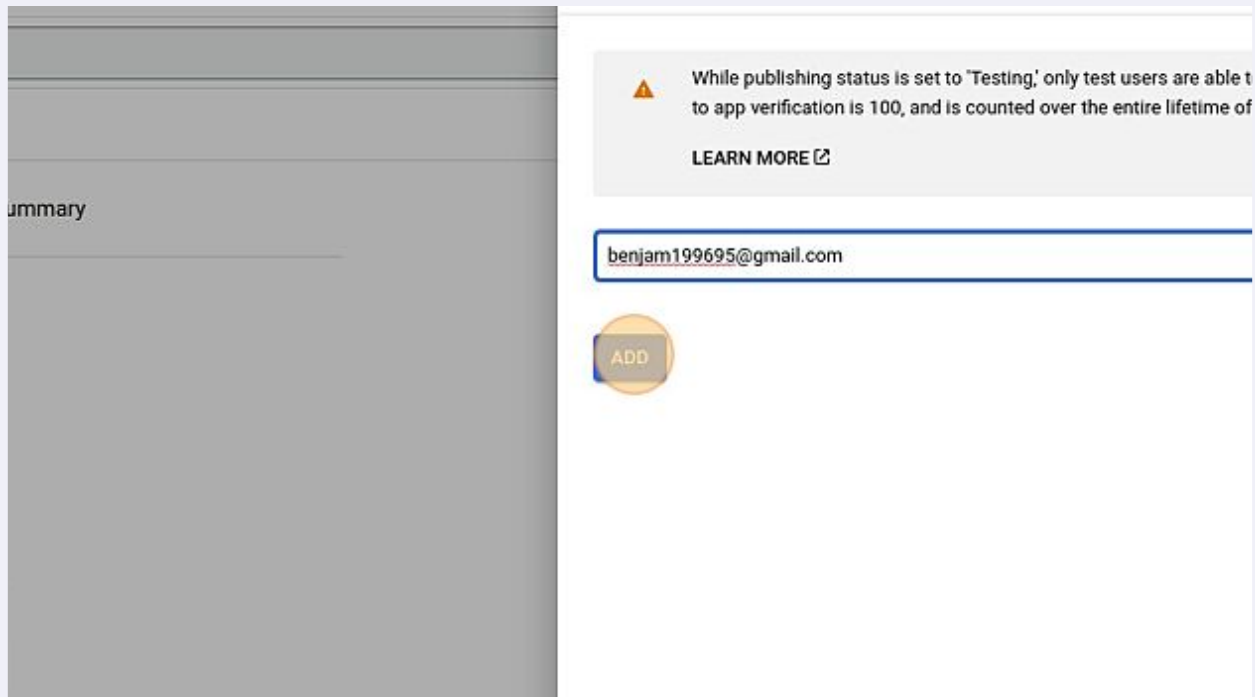
35 Click this field.



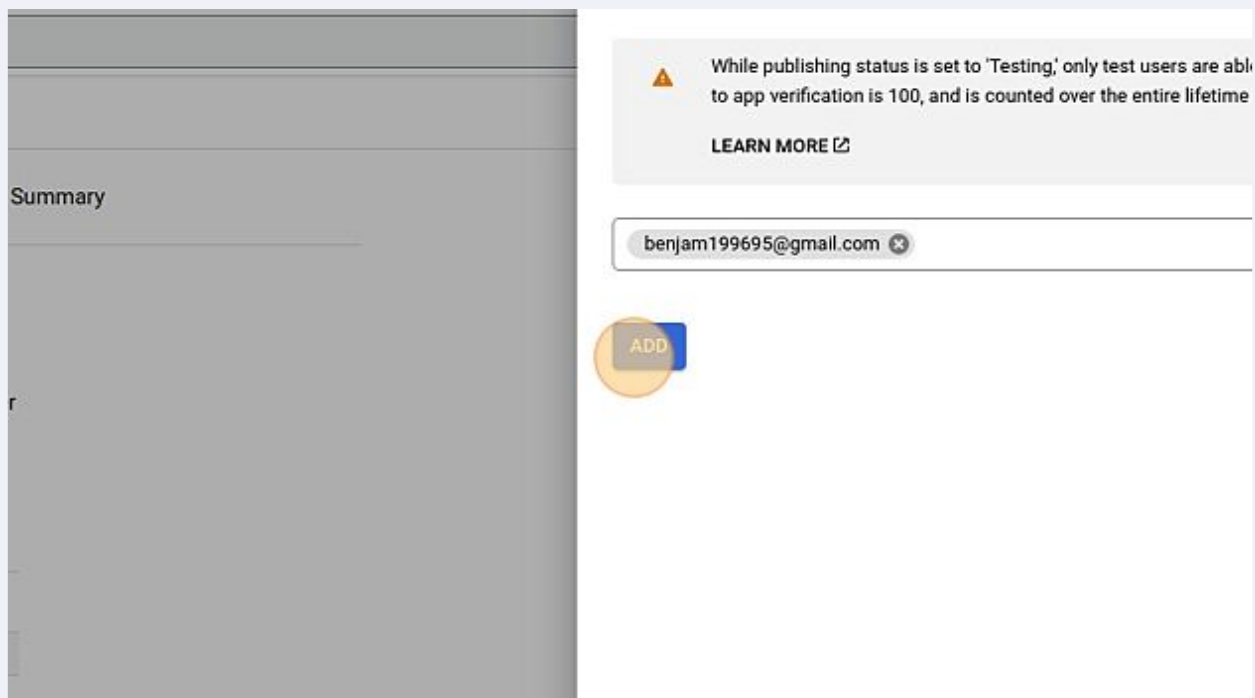
The screenshot shows a mobile app interface with a sidebar on the left and a main content area. The main content area displays a dialog titled "Add users" with a close button (X) in the top left corner. Below the title bar, there is a warning message: "While publishing status is set to 'Testing,' only 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." followed by a "LEARN MORE" link with an external icon. Below the warning, there is a text input field with a yellow circular highlight on it. To the right of the input field is a question mark icon and a counter "0 / 100". Below the input field is a blue "ADD" button.

36 Enter all gmail addresses that you want to use.

37 Click "ADD"



38 Click "ADD"



39 Click "SAVE AND CONTINUE"

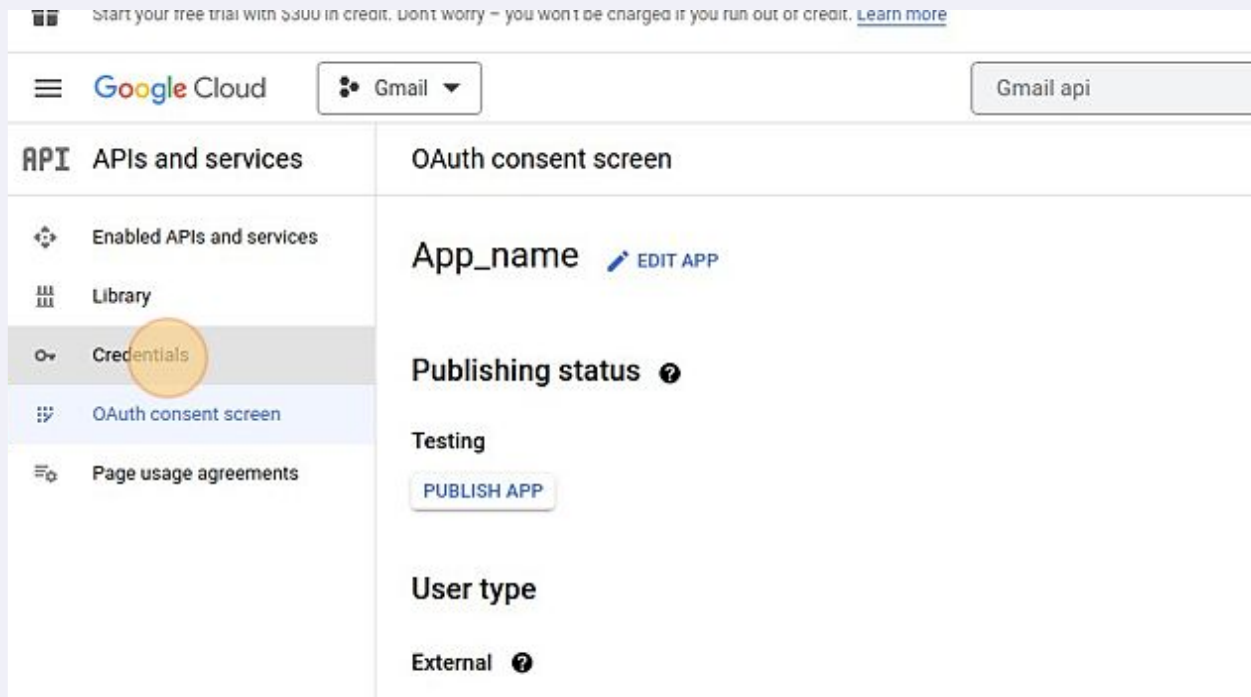
The screenshot shows a web interface for adding users. At the top, there is a button labeled "+ ADD USERS". Below it is a filter section with a dropdown menu and a text input field labeled "Filter" with the placeholder "Enter property name or value". A table titled "User Information" contains one row with the email address "benjam199695@gmail.com" and a trash icon. At the bottom, there are two buttons: "SAVE AND CONTINUE" (highlighted with a yellow circle) and "CANCEL".

40 Click "BACK TO DASHBOARD"

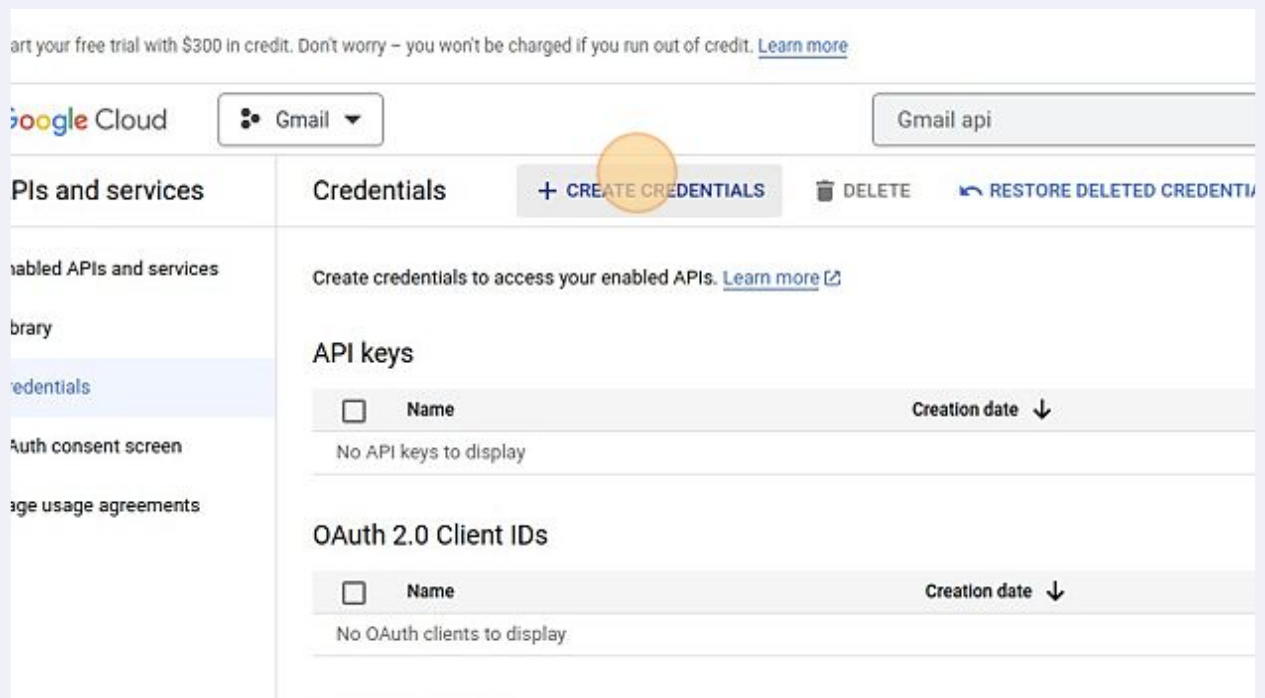
The screenshot shows a web interface for managing test users. At the top, there is a table with two rows of user information. Below the table, there is a "Rows per page" dropdown menu set to "10". Below that, there is a section titled "Test users" with a progress bar showing "1 user (1 test, 0 other) / 100 user cap". Below the progress bar is a filter section with a dropdown menu and a text input field labeled "Filter" with the placeholder "Enter property name or value". A table titled "User Information" contains one row with the email address "benjam199695@gmail.com". At the bottom, there is a button labeled "BACK TO DASHBOARD" (highlighted with a yellow circle).

41 Next, we want to download our credentials to be used in our project.

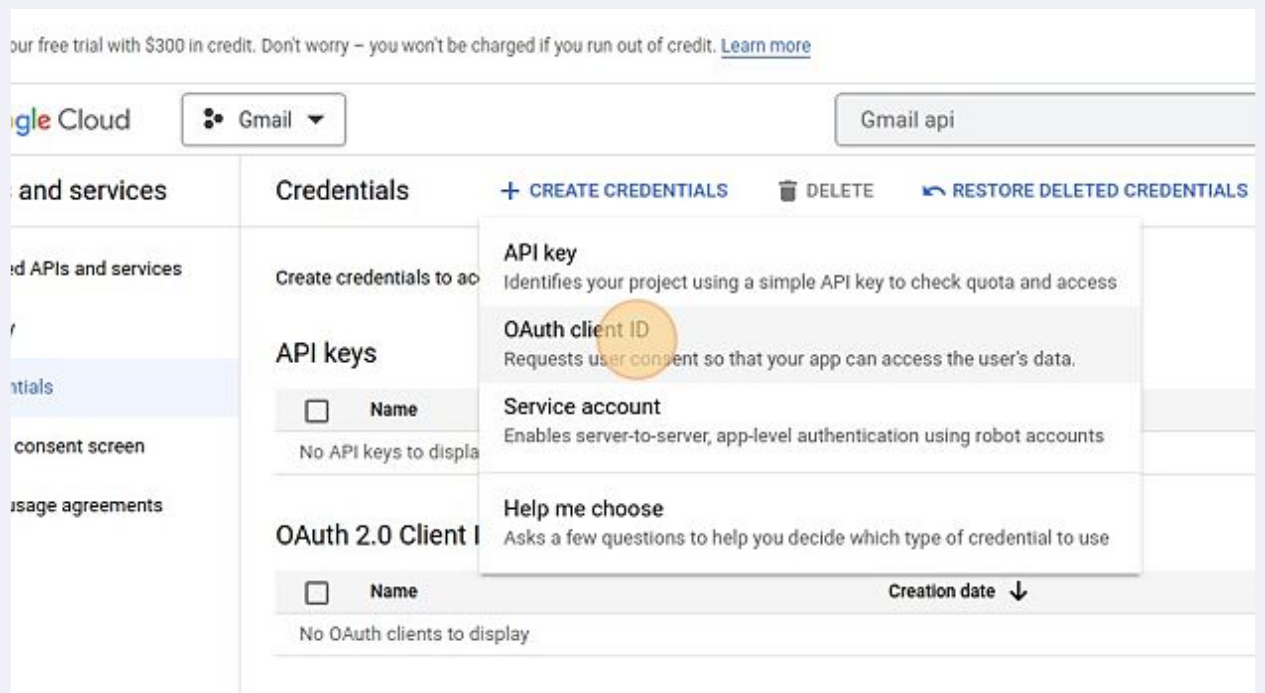
42 Click "Credentials"



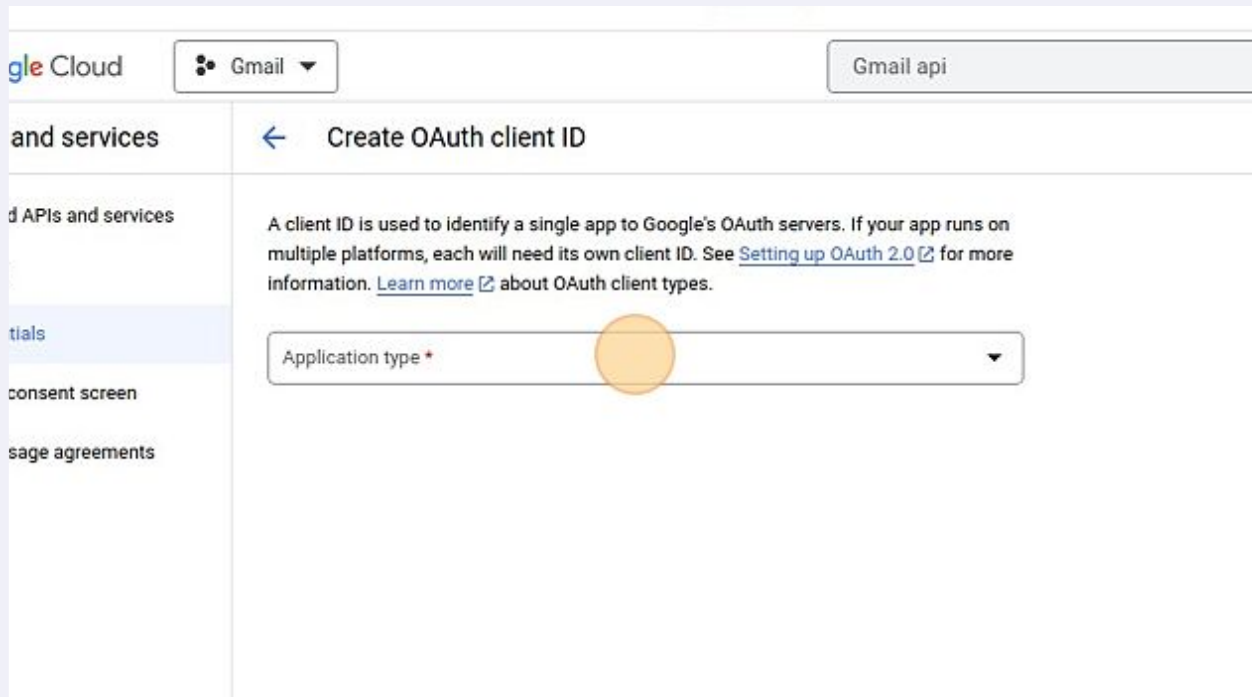
43 Click "CREATE CREDENTIALS"



44 Click here.

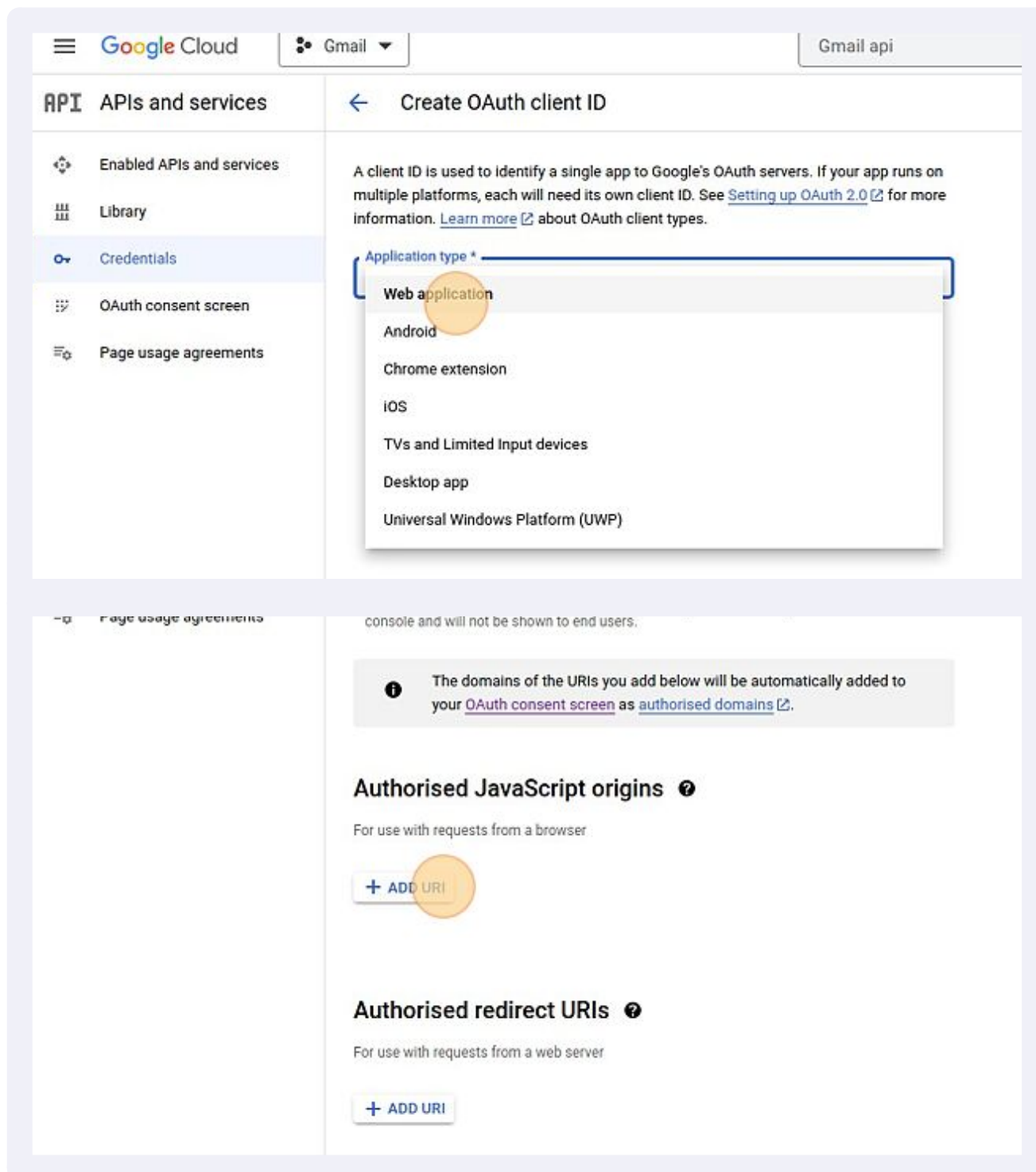


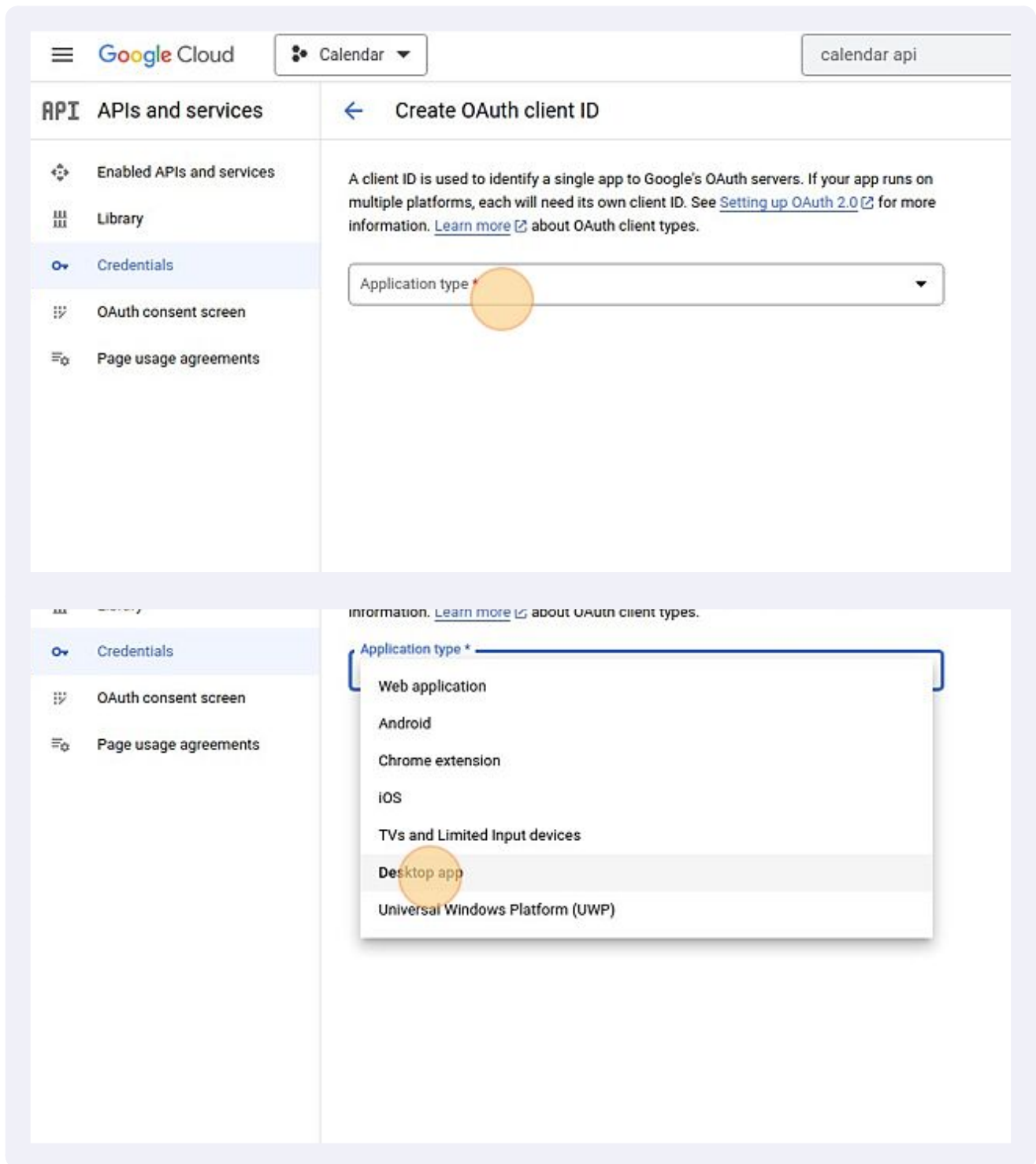
45 Click here.



46 This is the only step, where the setup process for Gmail and Google Calendar differ.

47 For Gmail:
Click "Web application"
Click "ADD URI"
Click here.
Enter "http://localhost:8080"
Click "ADD URI"
Press "http://localhost:8080/"





APIs and services

- Enabled APIs and services
- Library
- Credentials**
- OAuth consent screen
- Page usage agreements

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 *
Desktop app

Name *
Desktop 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.

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

CREATE

CANCEL

APIs and services

- Enabled APIs and services
- Library
- Credentials**
- OAuth consent screen
- Page usage agreements

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 *
Desktop app

Name *
Desktop client 1

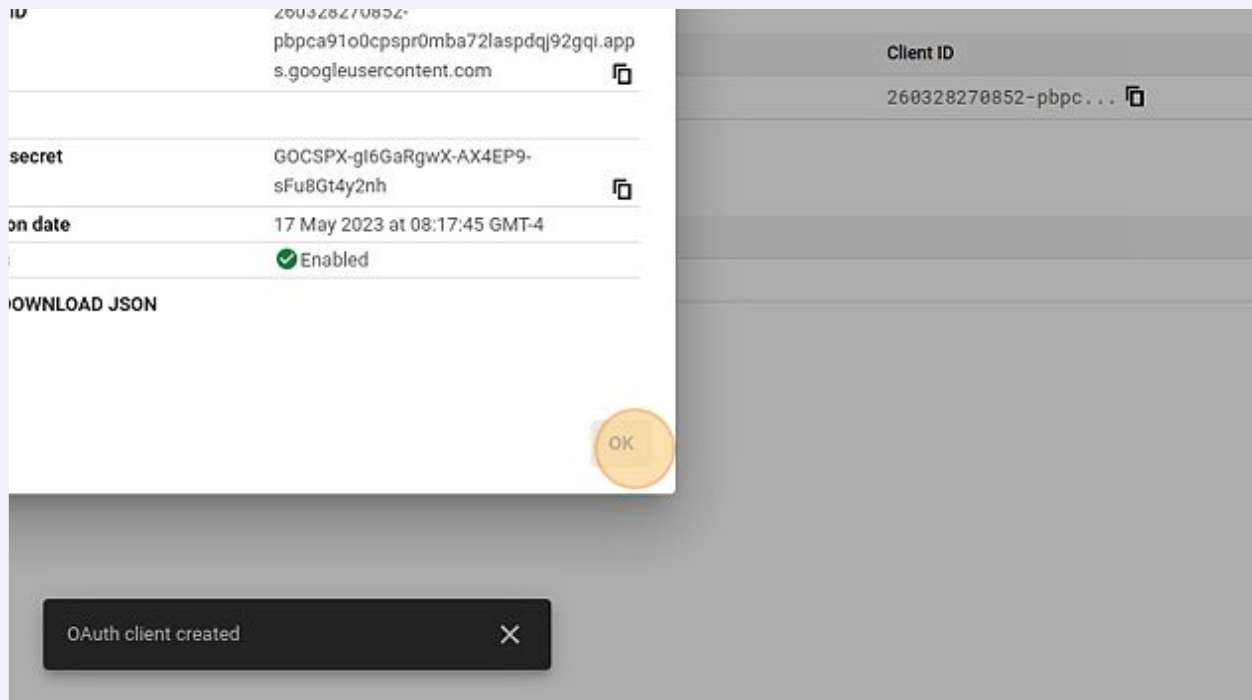
The name of your OAuth 2.0 client. This name is only used to identify the client in the console and will not be shown to end users.

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

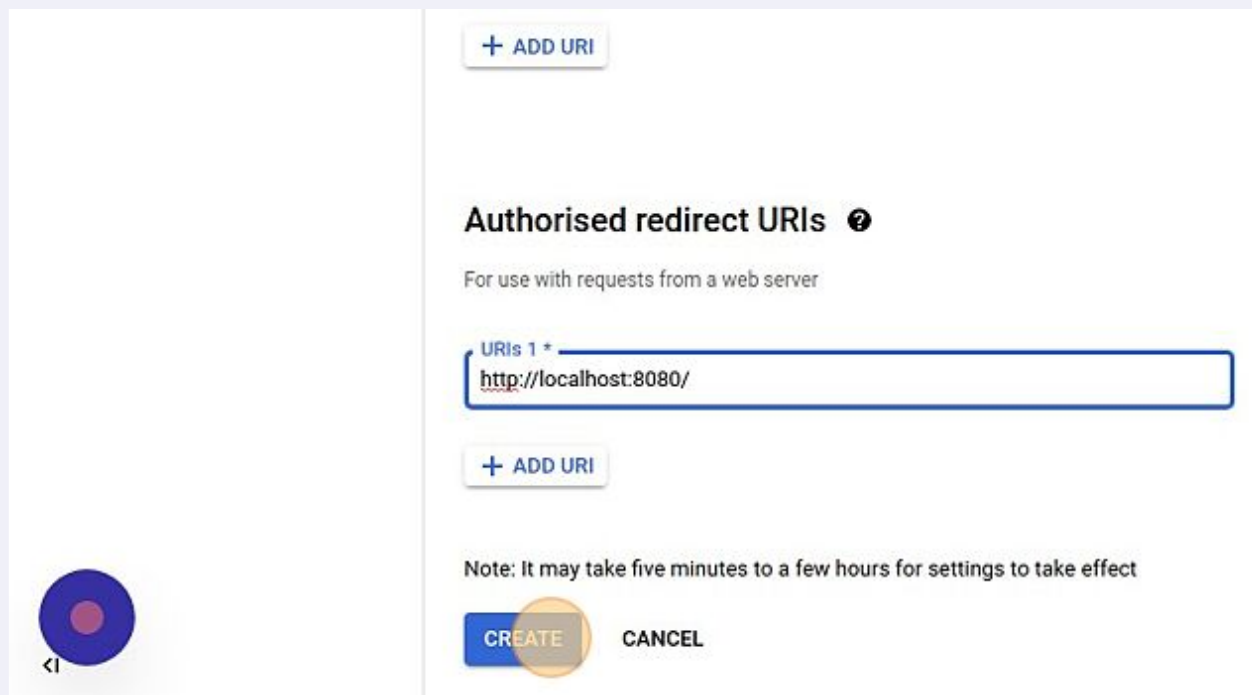
CREATE

CANCEL

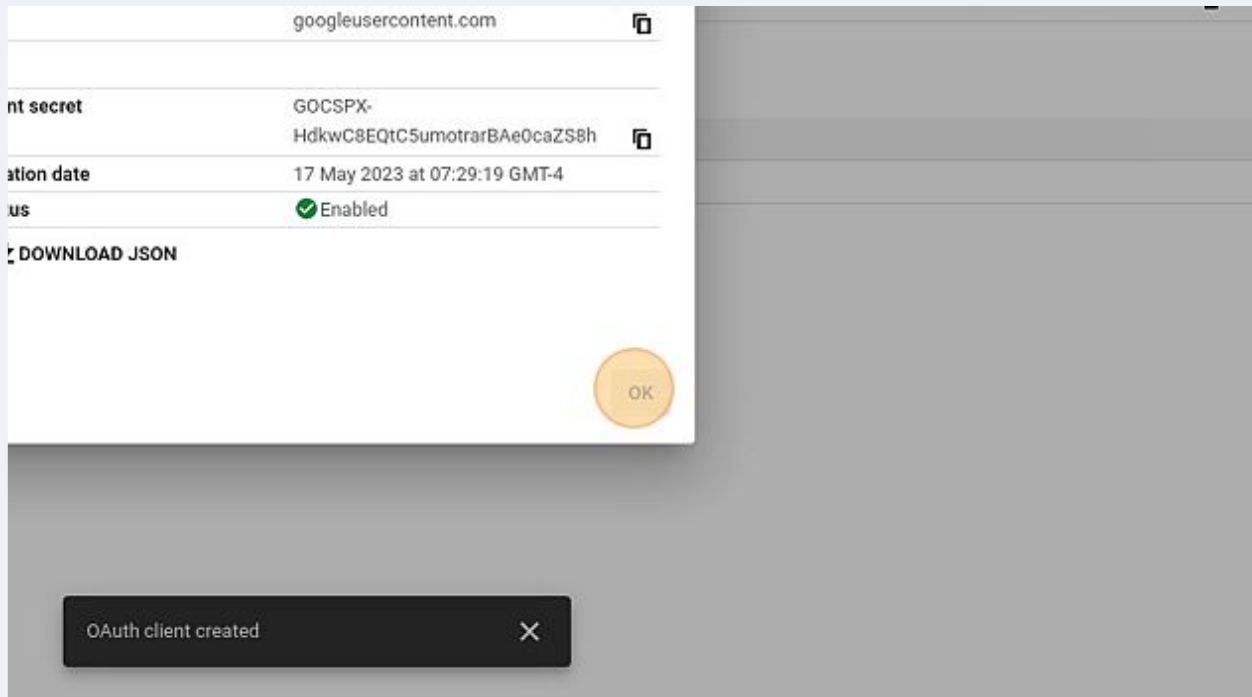
49 Click "OK"



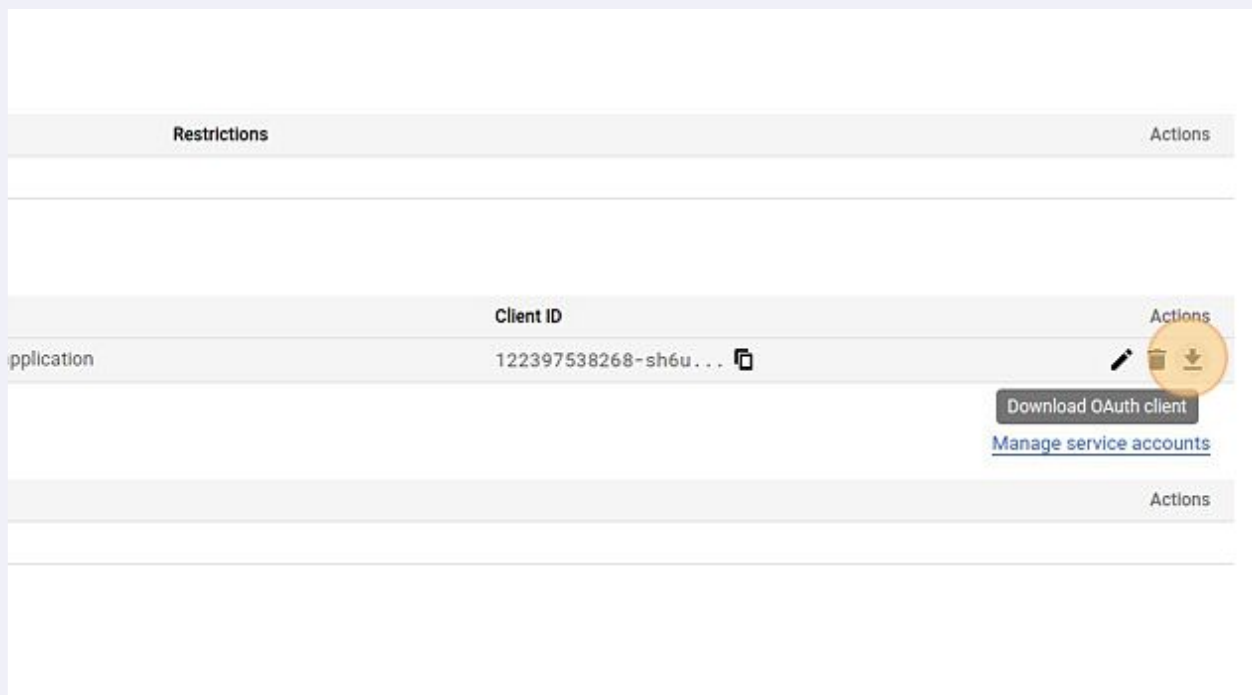
50 Click "CREATE"



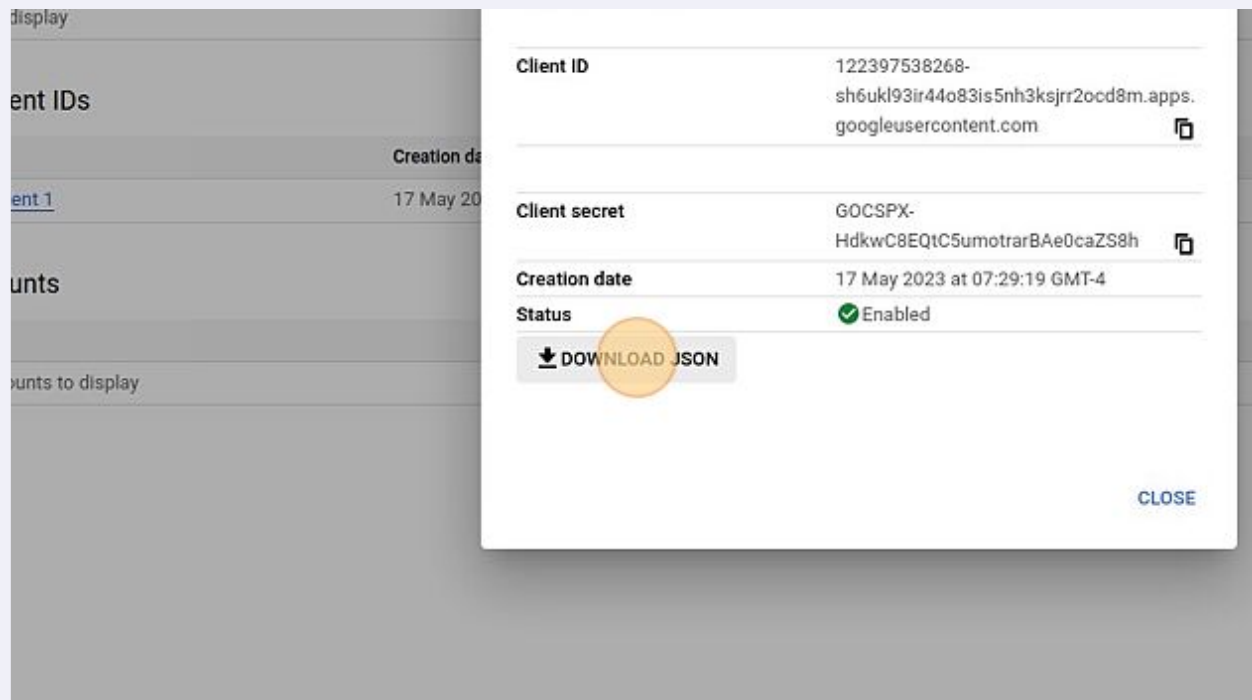
51 Click "OK"



52 Click here.



53 Click "DOWNLOAD JSON"



54 Now, you only need to rename the file to "credentials.json" and put it in the respective folder of your project.