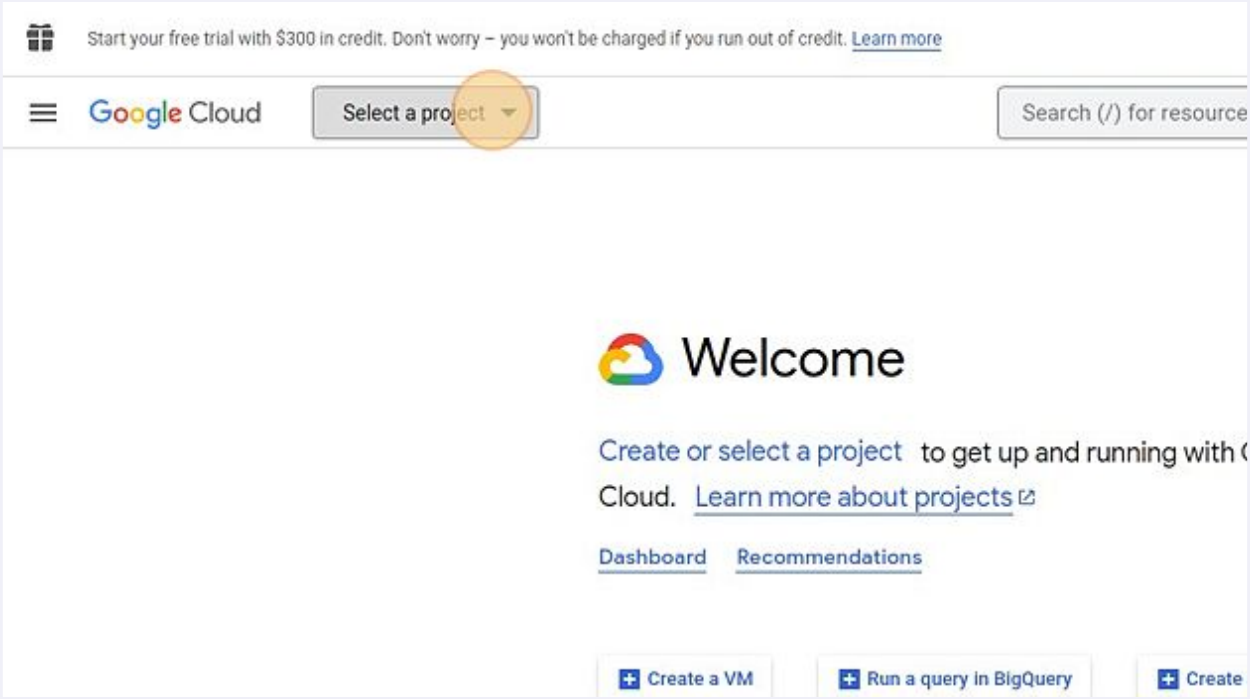
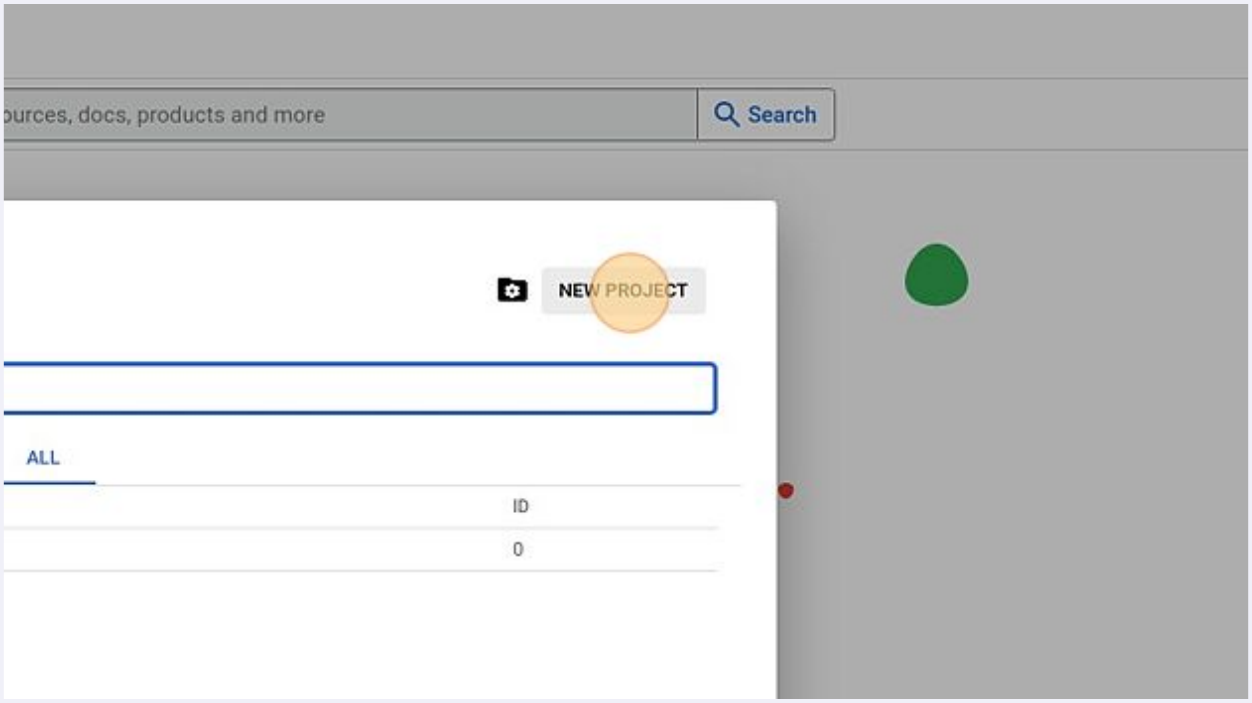
How to Set Up a Gmail API Project

1 Navigate to console.cloud.google.com

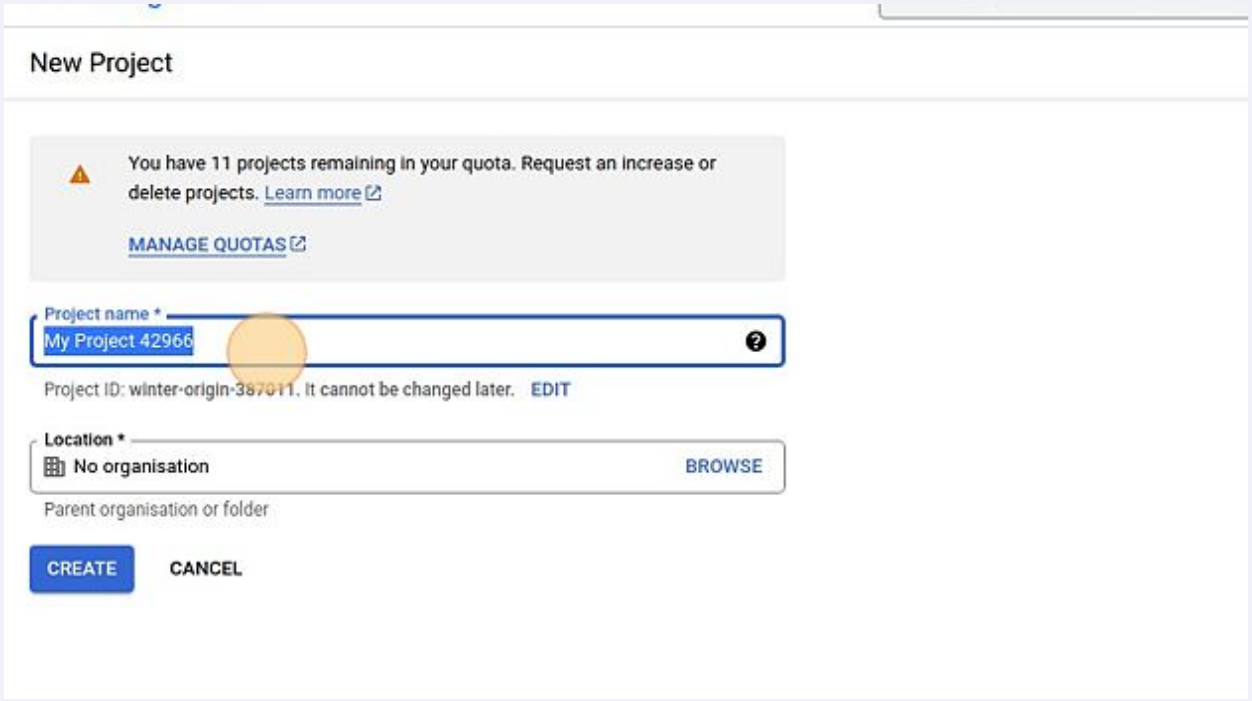
2 After accepting the ToS, click "Select a project".



3 Click "NEW PROJECT"



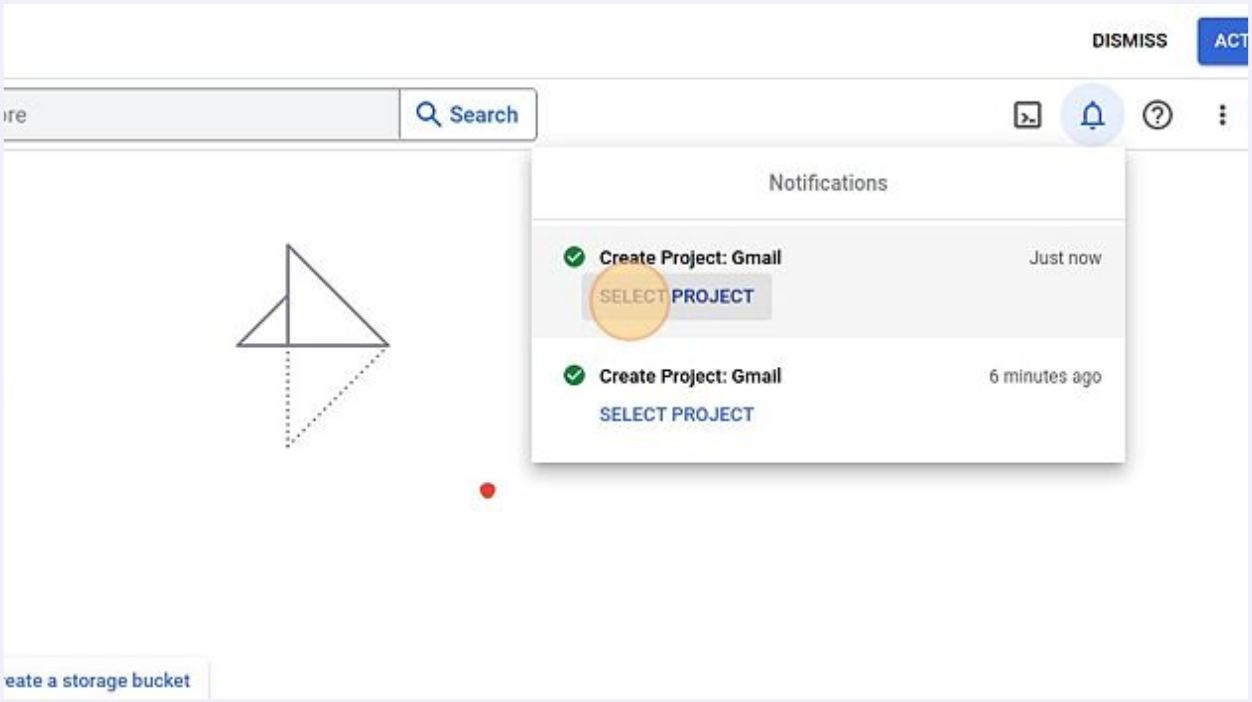
4 Click the "Project name" field.



5 Enter the name of your project.

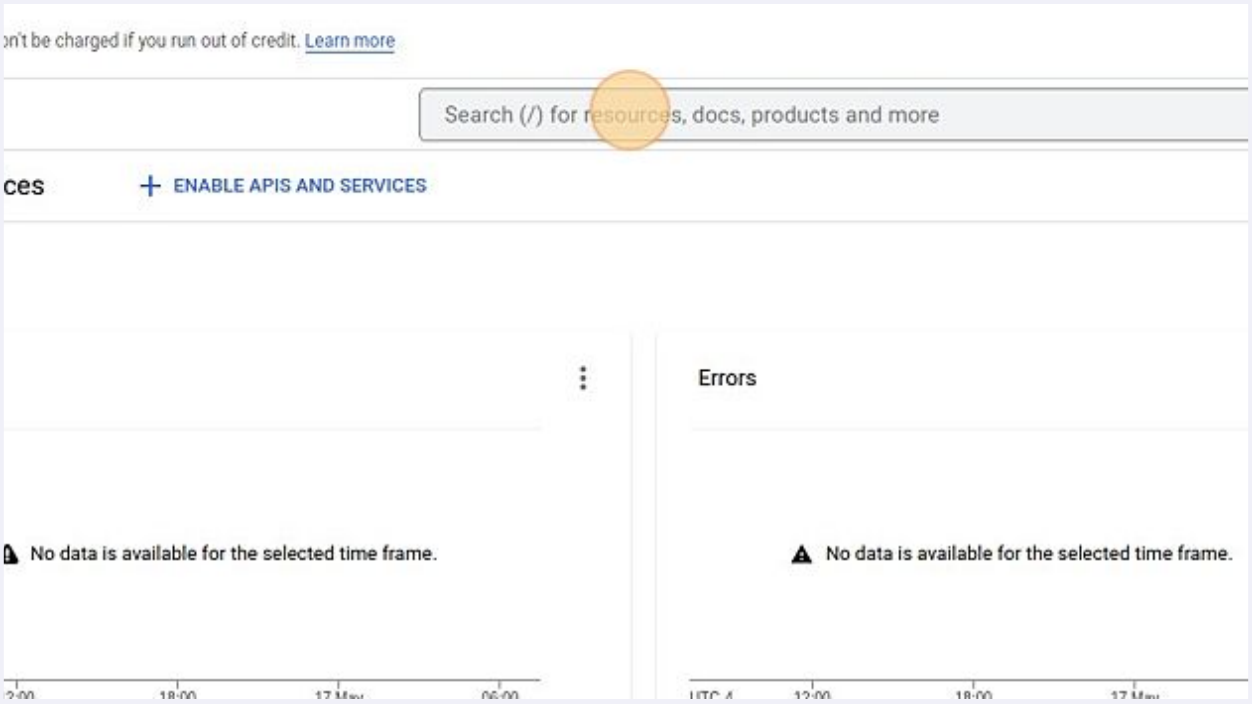
6 Click "CREATE"

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



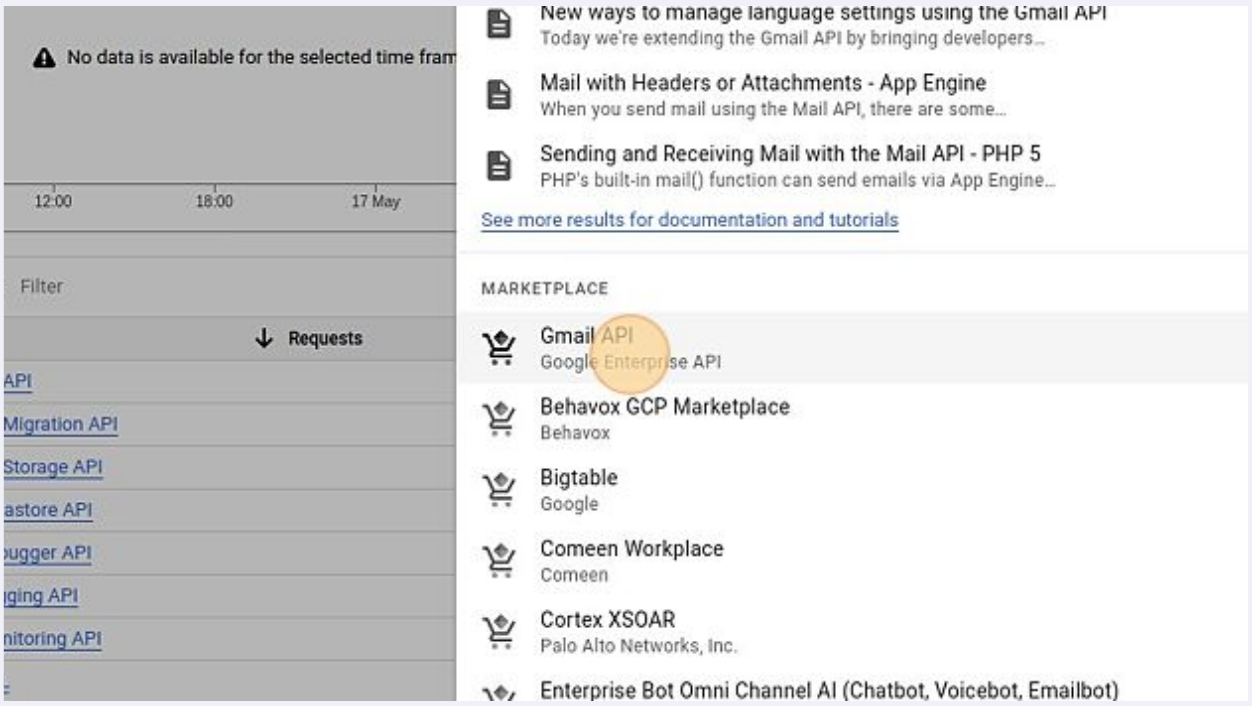
8 First we want to enable the Gmail API.

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

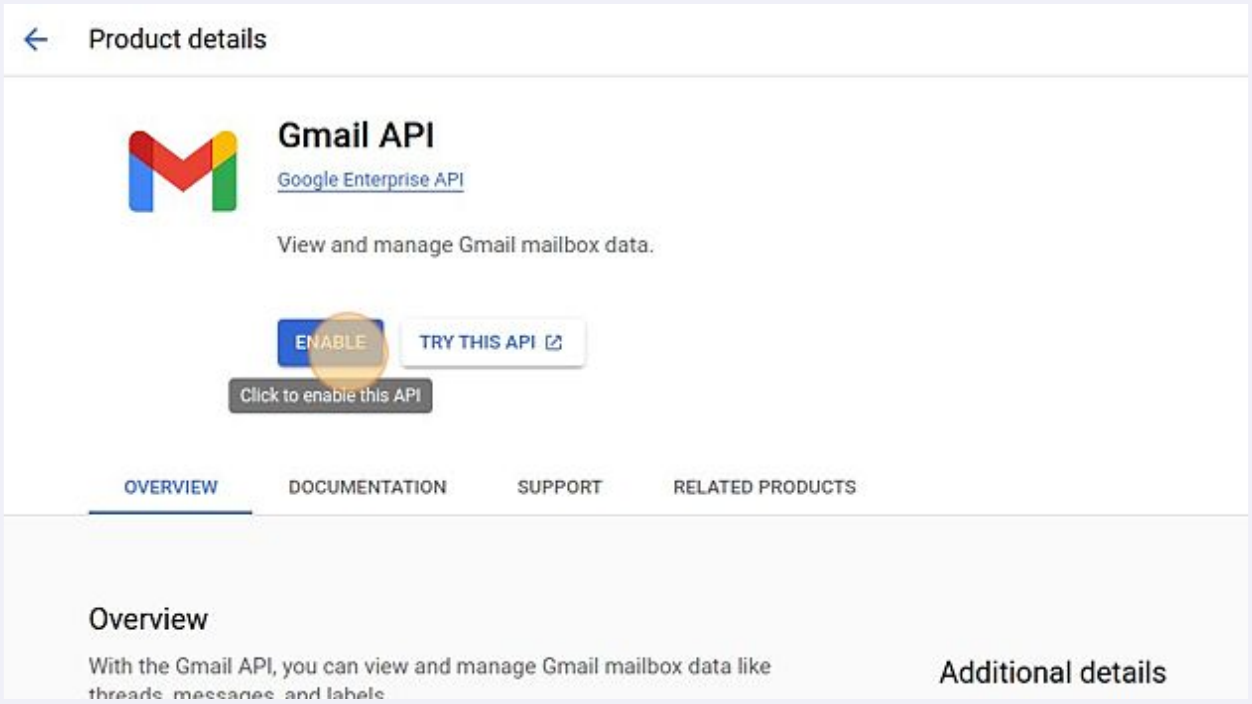


10 Type "Gmail api"

11 Click "Gmail API"

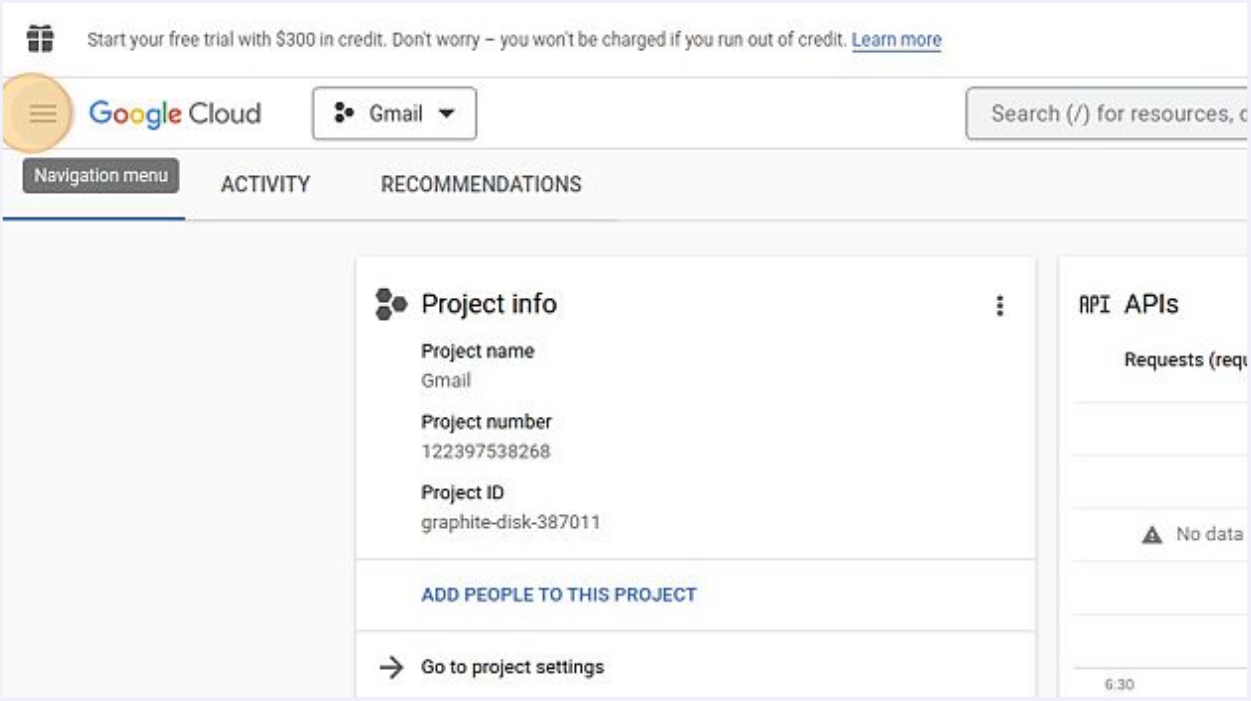


12 Click "ENABLE"

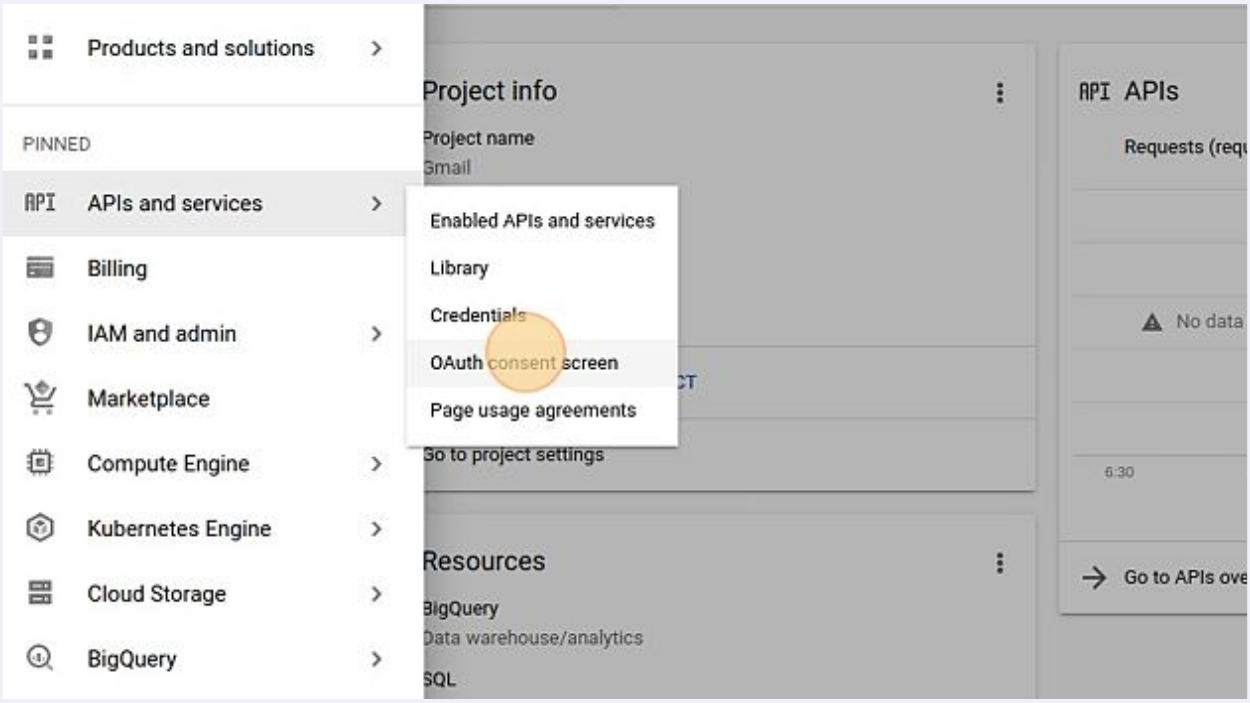


13 Next, we want to configure an OAuth consent screen.

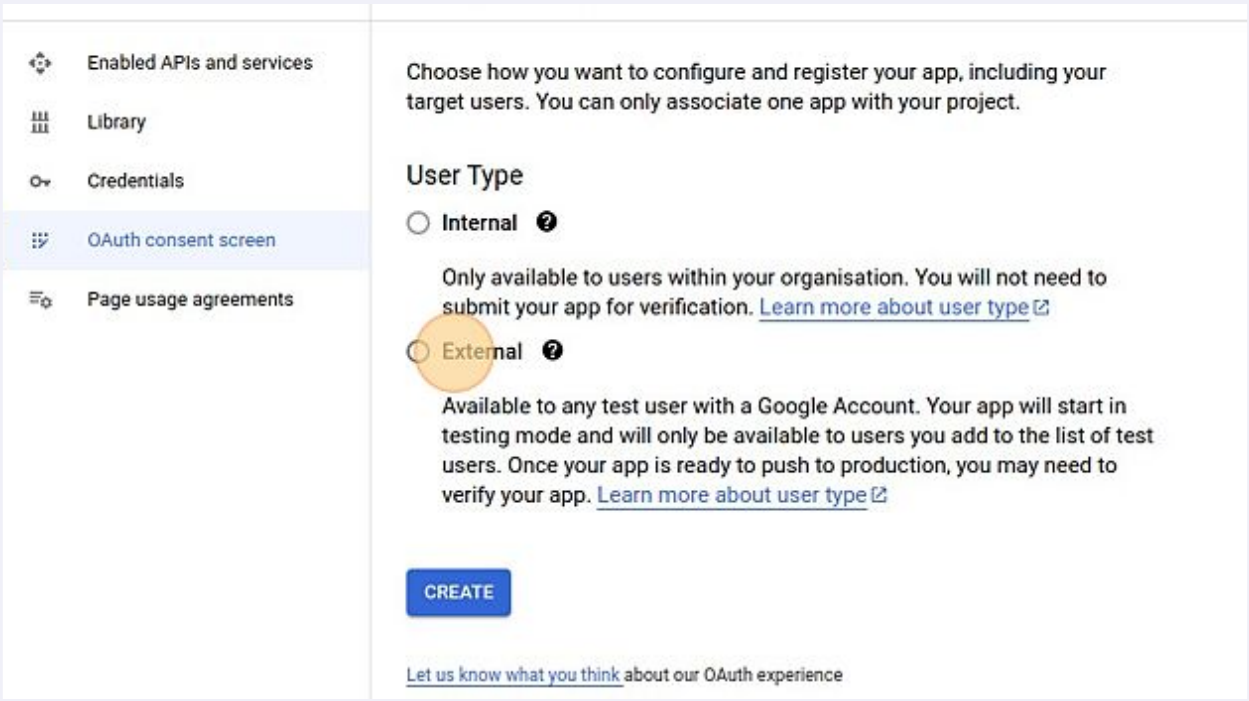
14 Click on the burger menu in the top left corner.



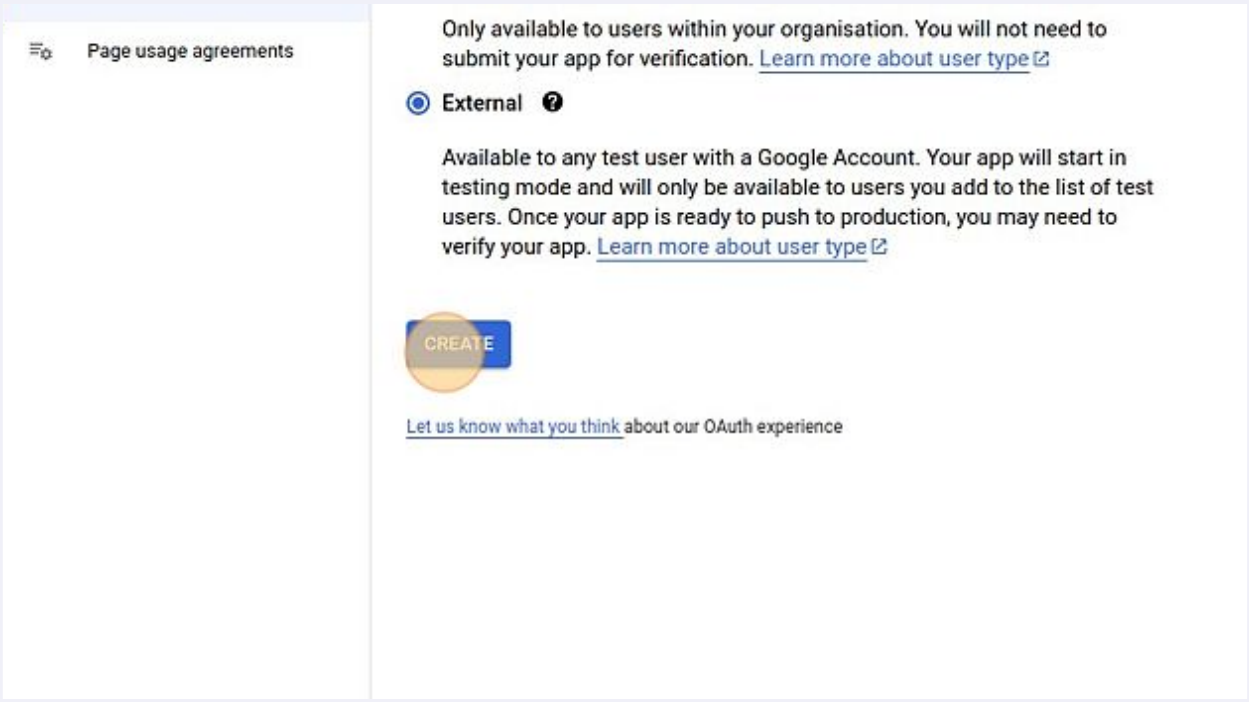
15 Click on OAuth consent screen.



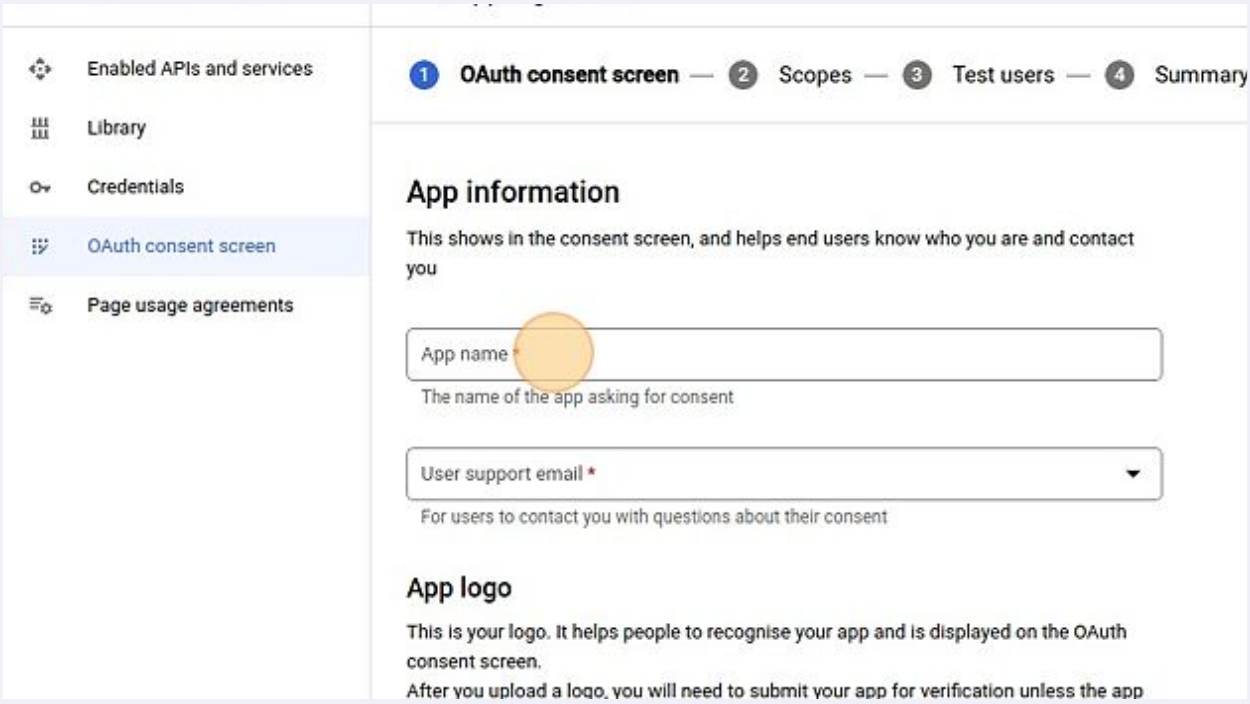
16 Click "External"



17 Click "CREATE"

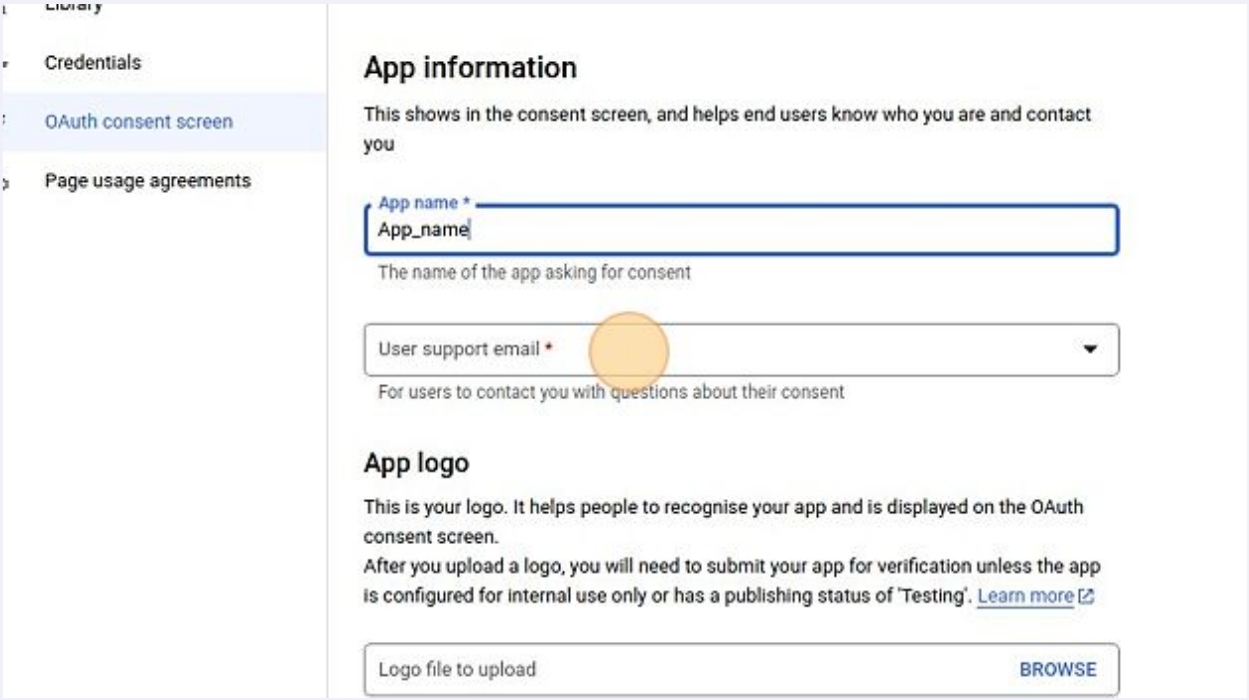


18 Click the "App name" field.

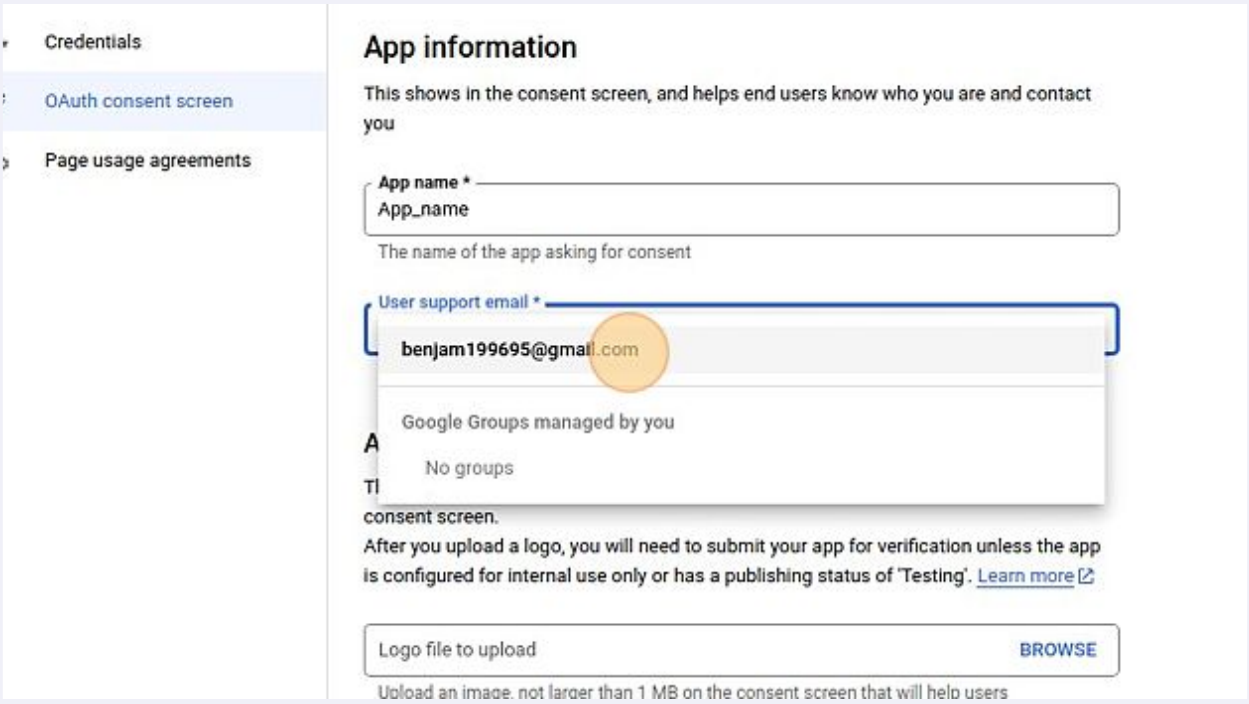


19 Enter the name of your app. This name will be shown in the consent screen.

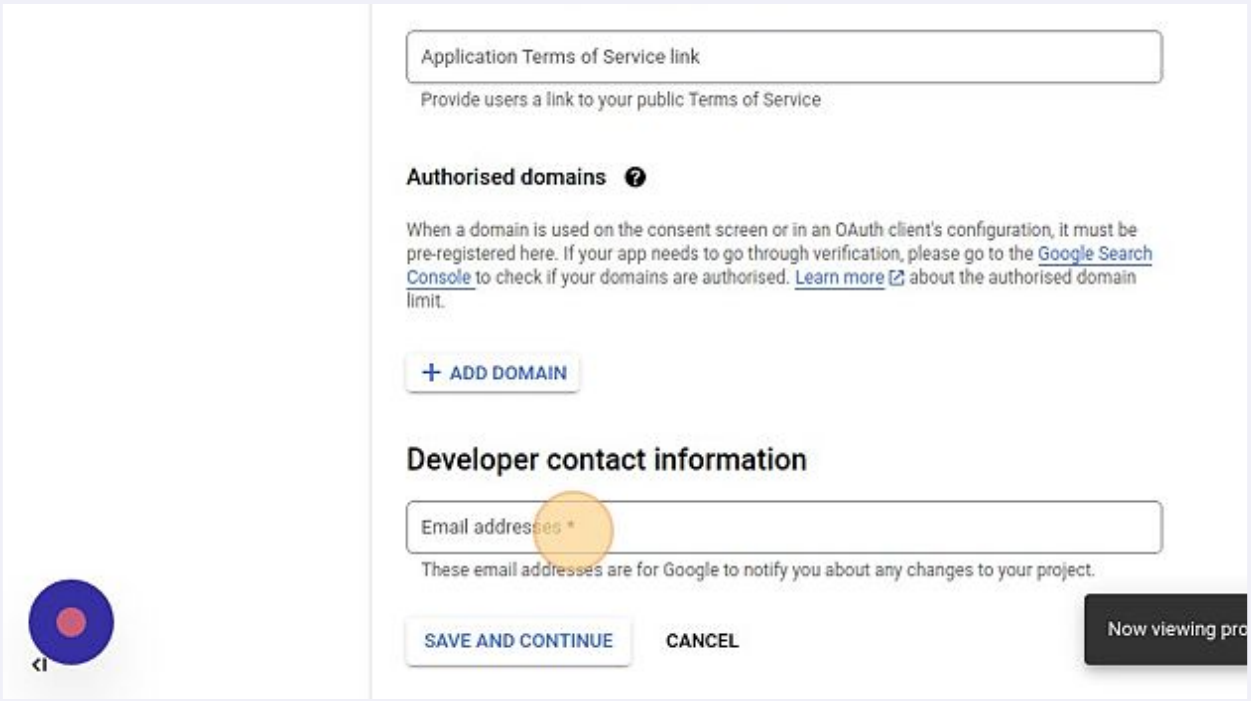
20 Click on the drop down menu to select the User support email.



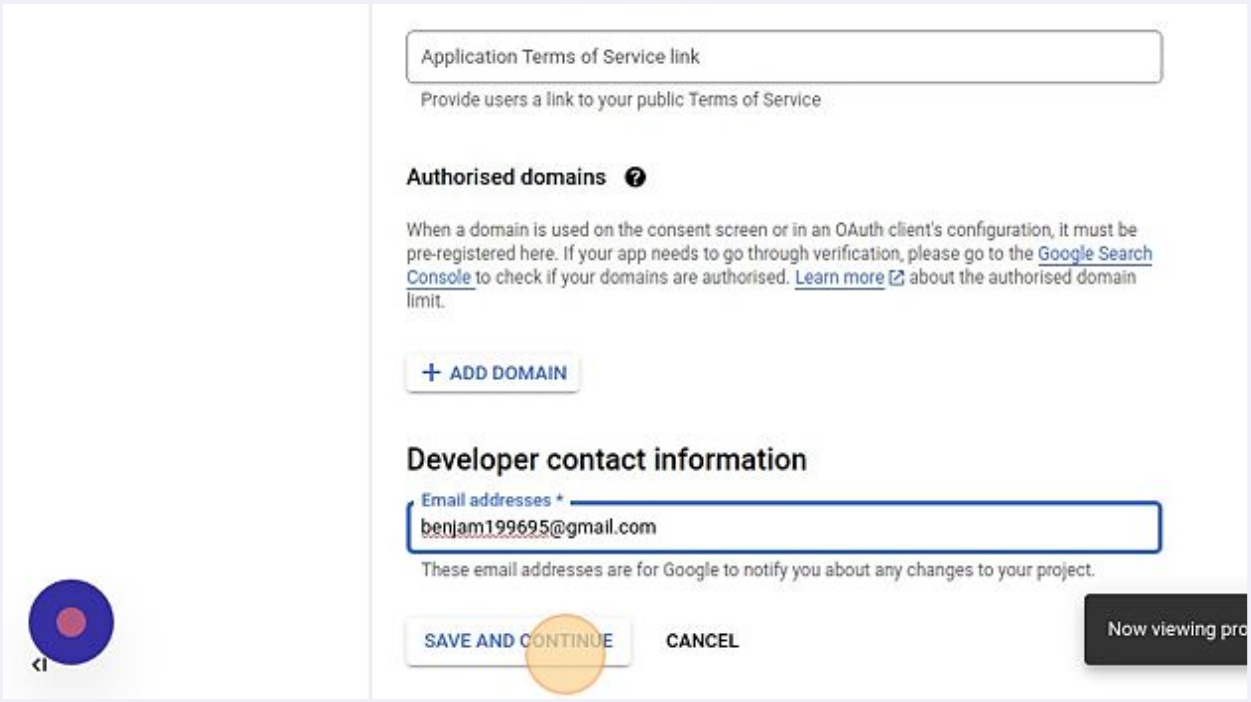
21 Select the email you want to choose.



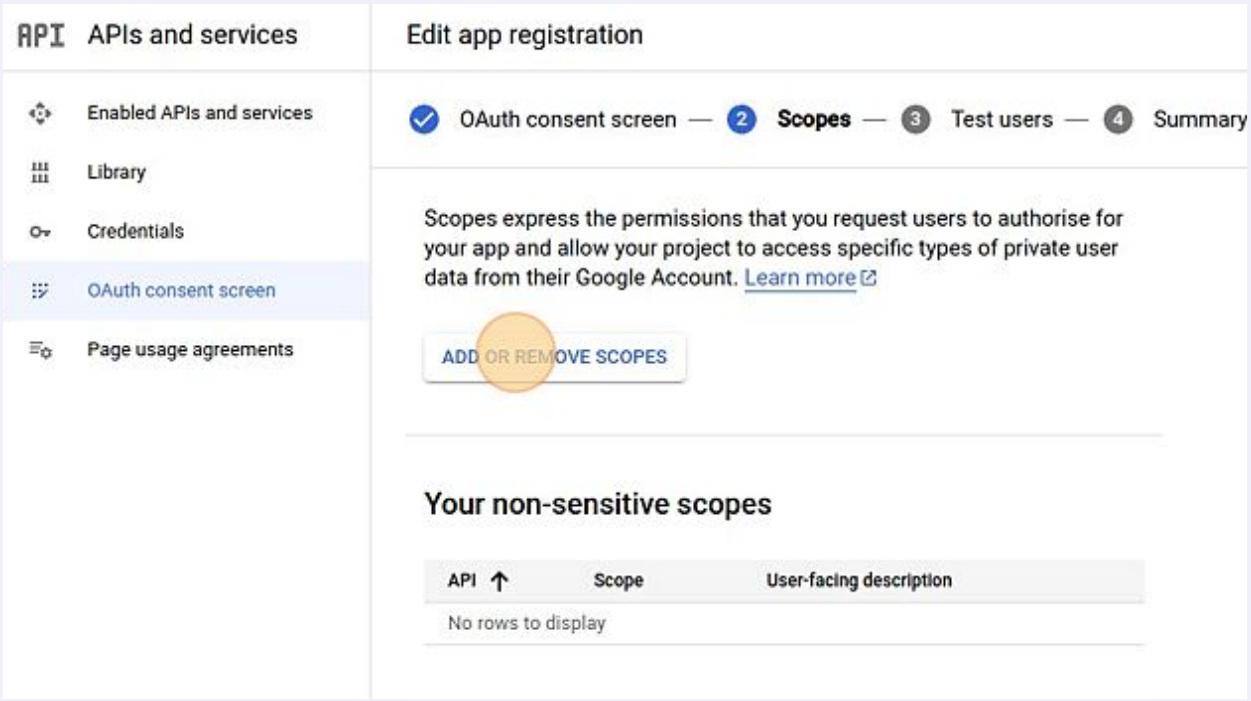
22 Enter your Developer contact information.



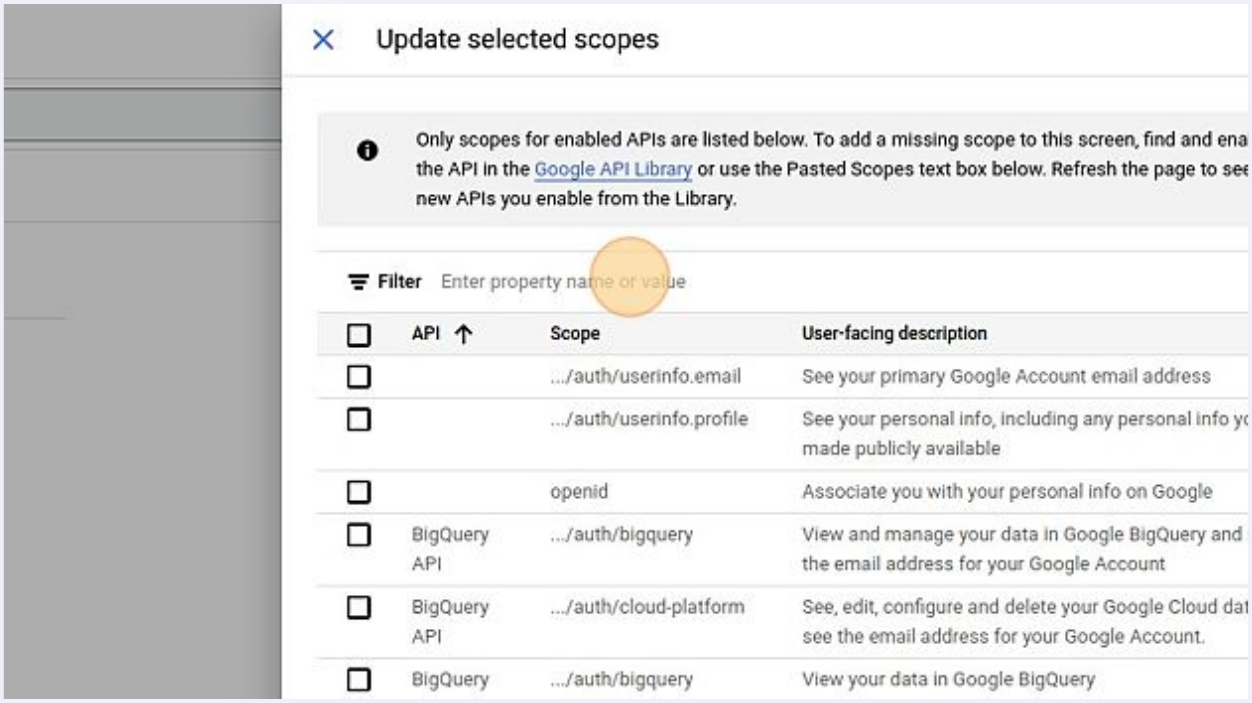
23 Click "SAVE AND CONTINUE"



24 Click "ADD OR REMOVE SCOPES"

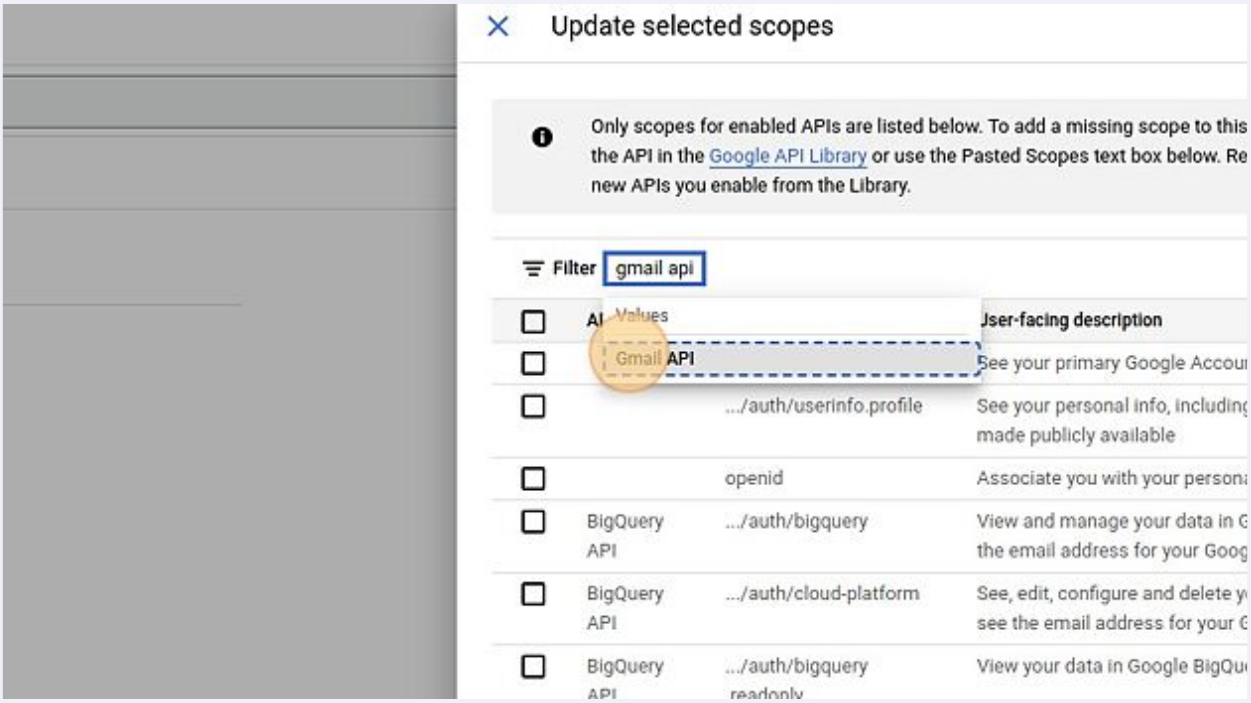


25 Click here.

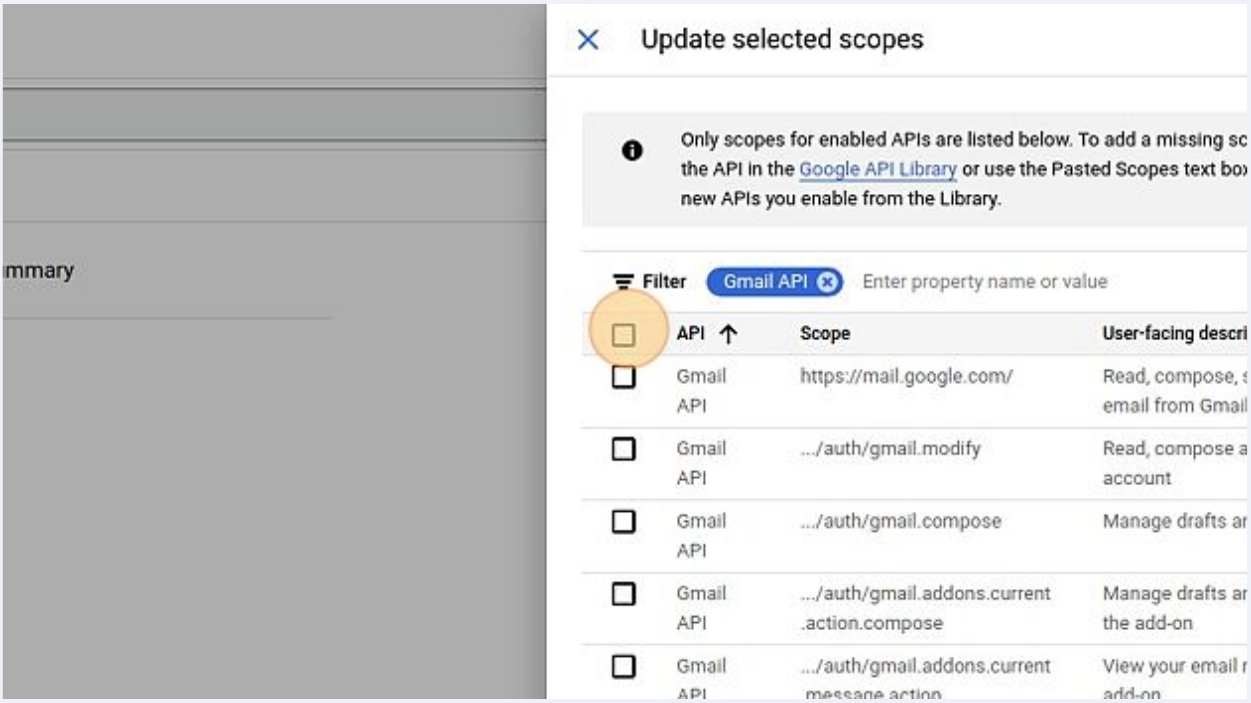


26 Search for the Gmail API.

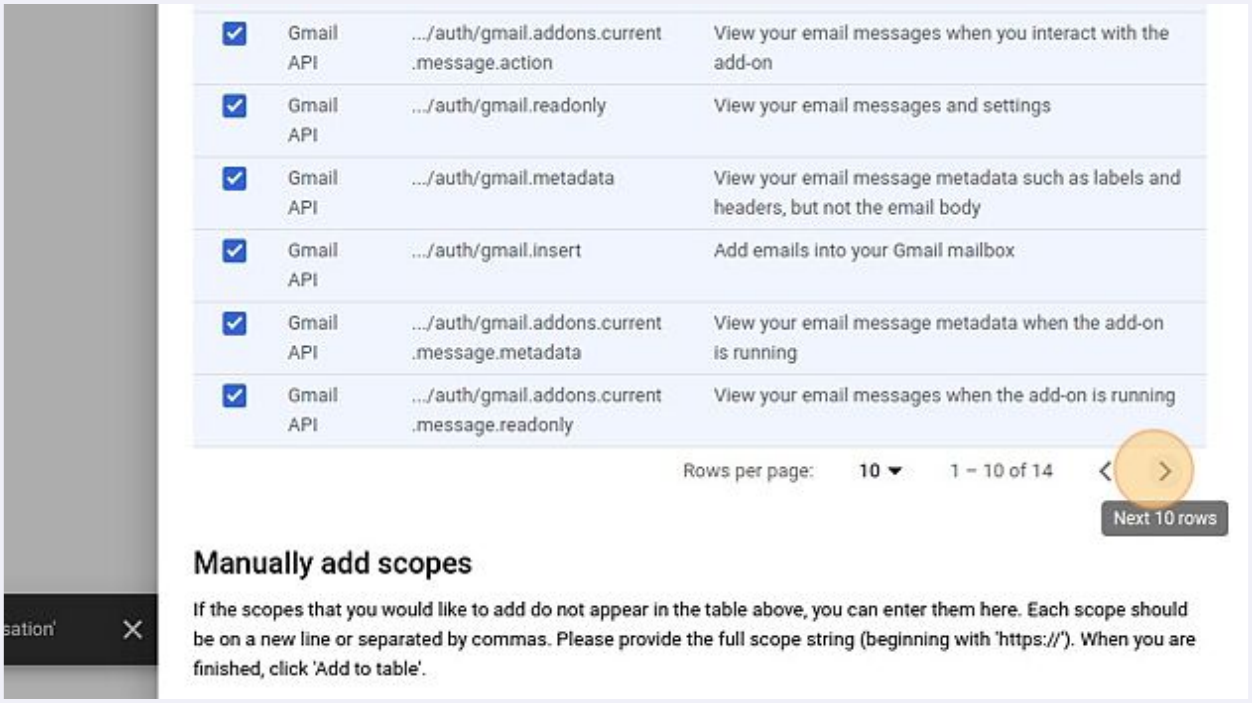
27 Click "Gmail API"



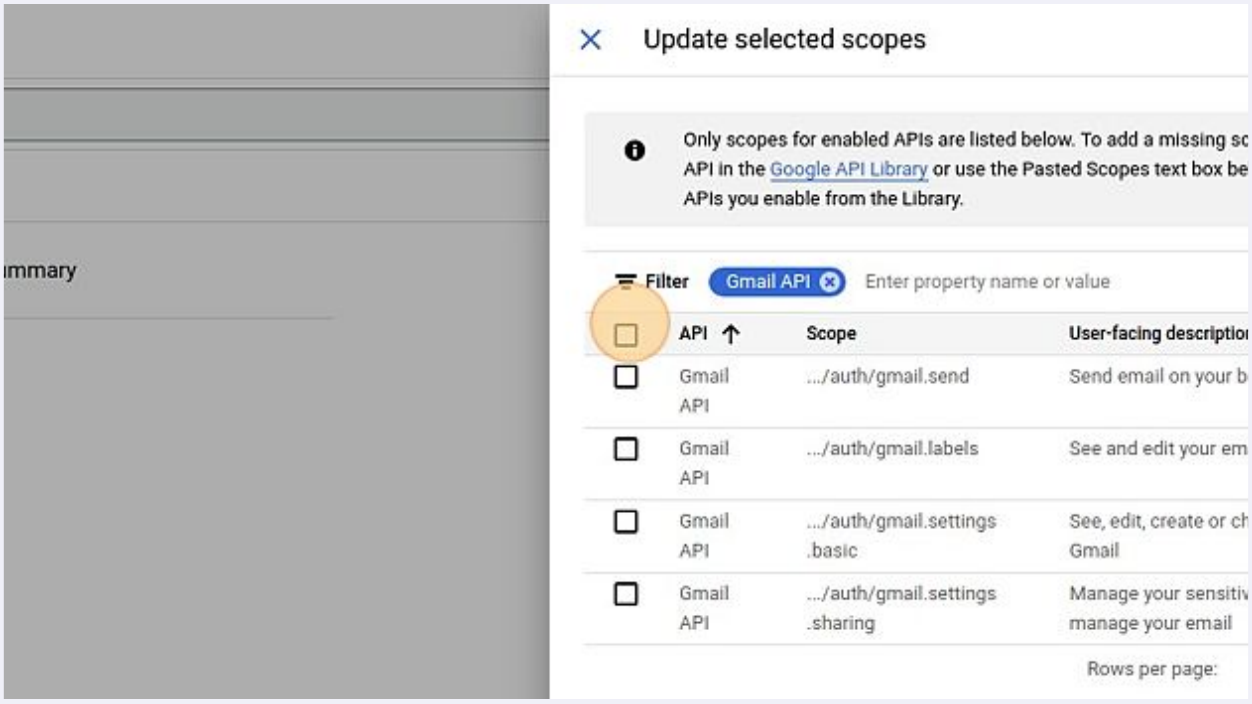
28 Click "Select all rows"



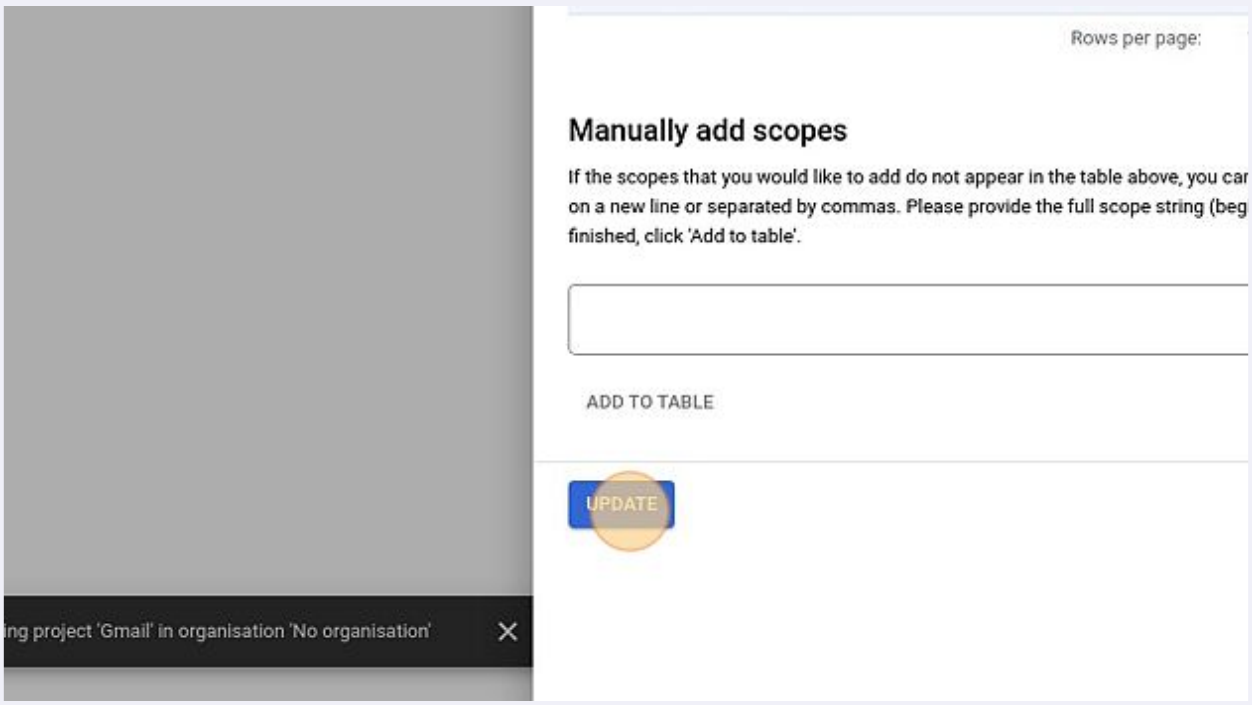
29 Click this icon.



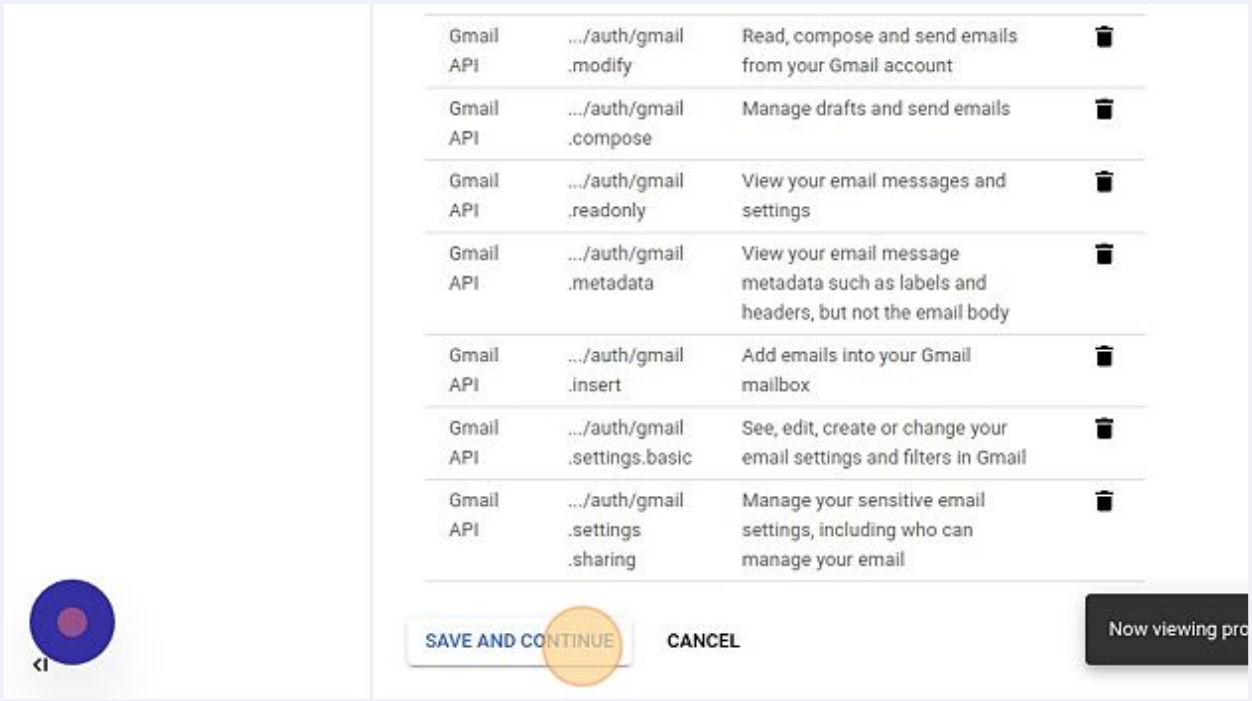
30 Click "Select all rows"



31 Click "UPDATE"

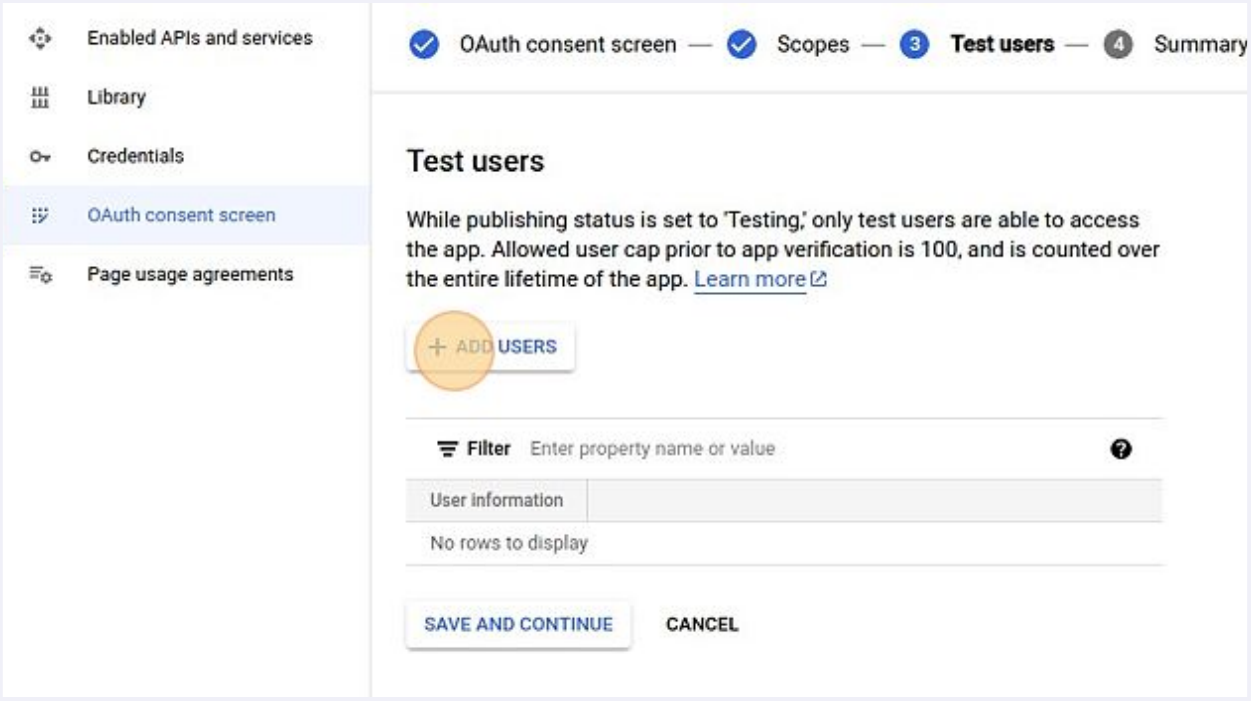


32 Click "SAVE AND CONTINUE"

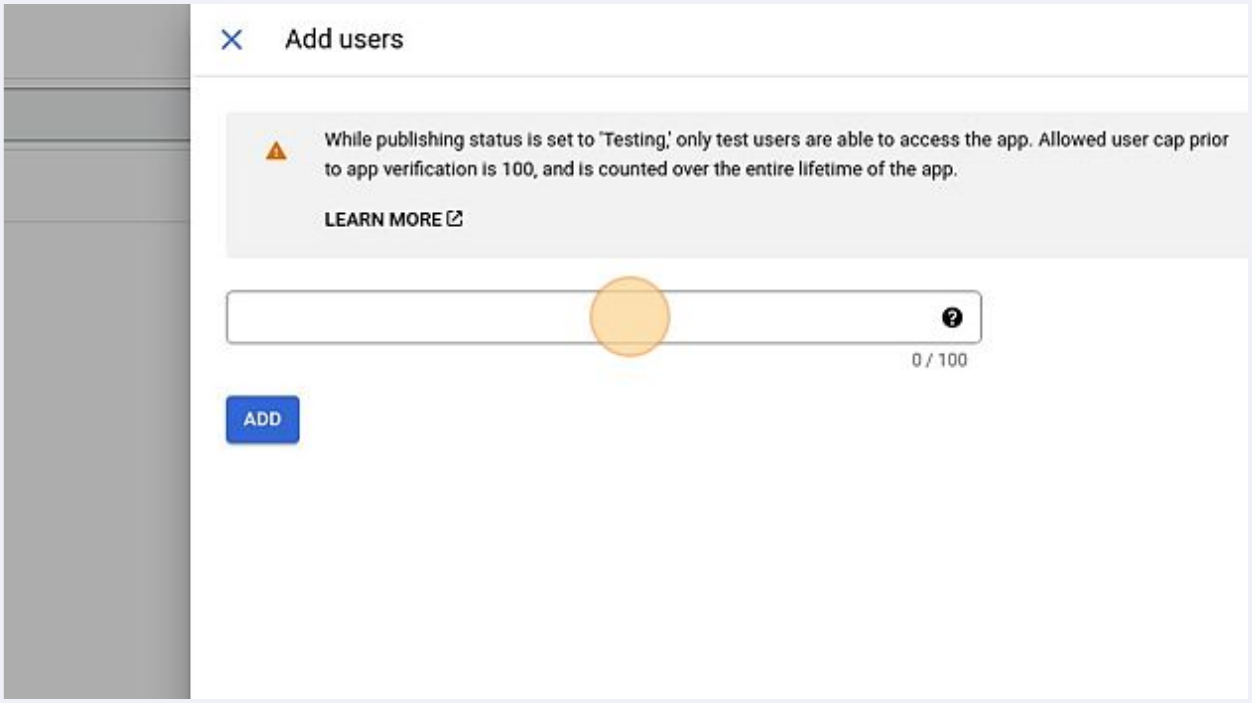


33 Next, we need to add test users to our project. We can add up to 100 users. Only the email addresses specified here are able to use the project.

34 Click "ADD USERS"

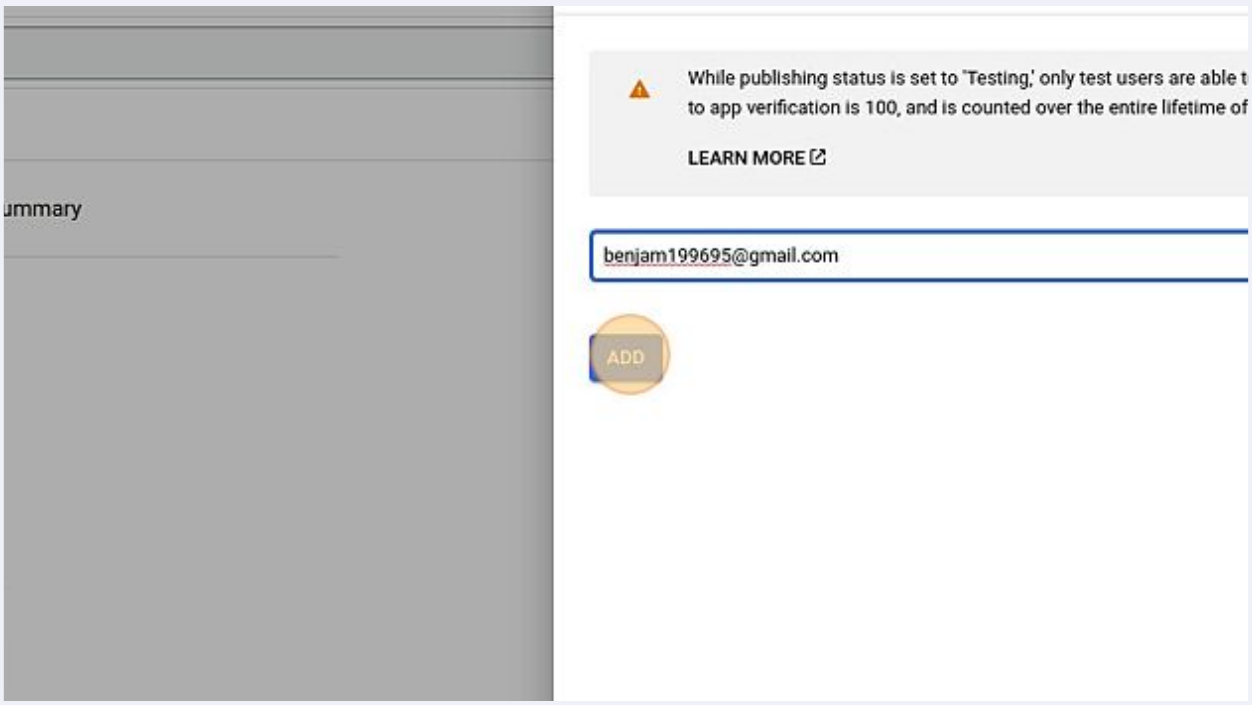


35 Click this field.

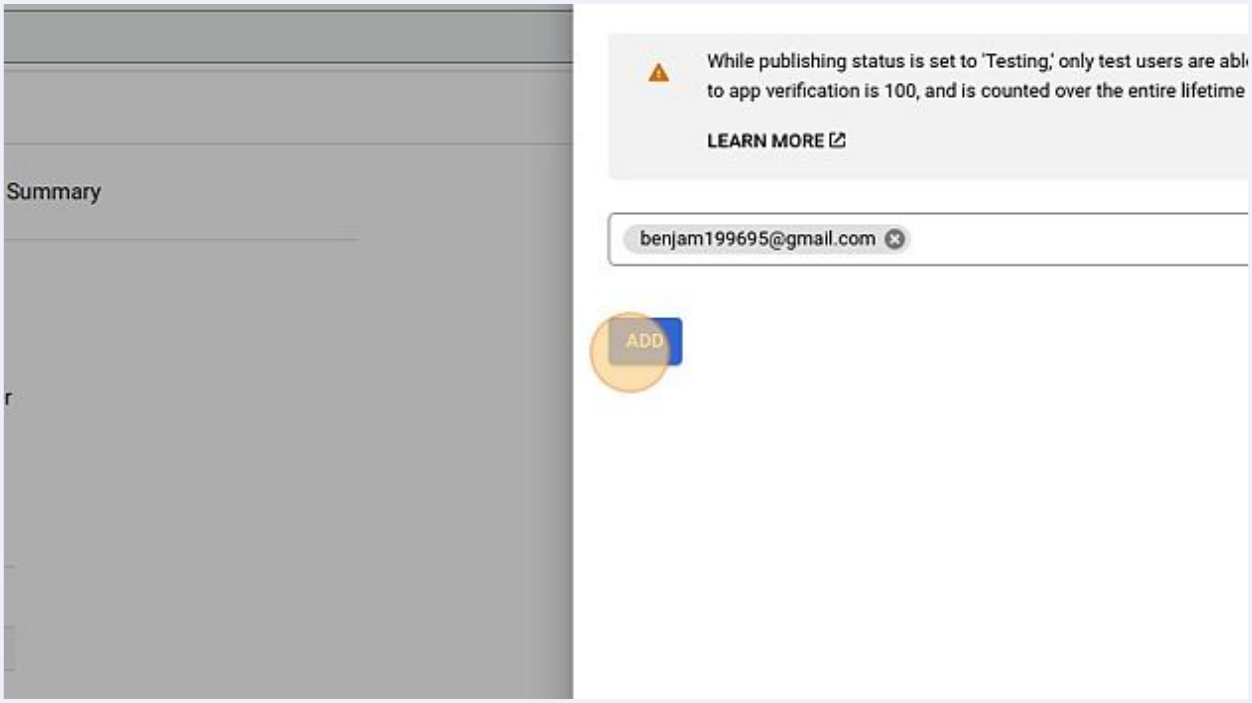


36 Enter all gmail addresses that you want to use.

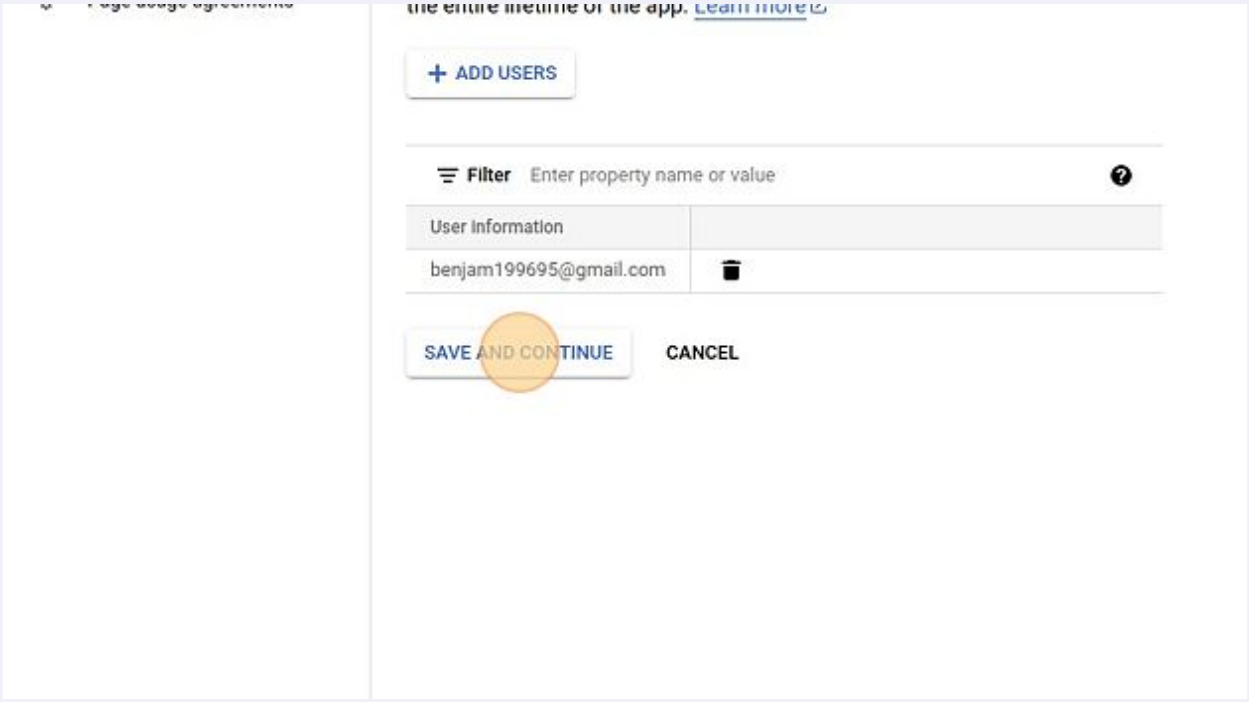
37 Click "ADD"



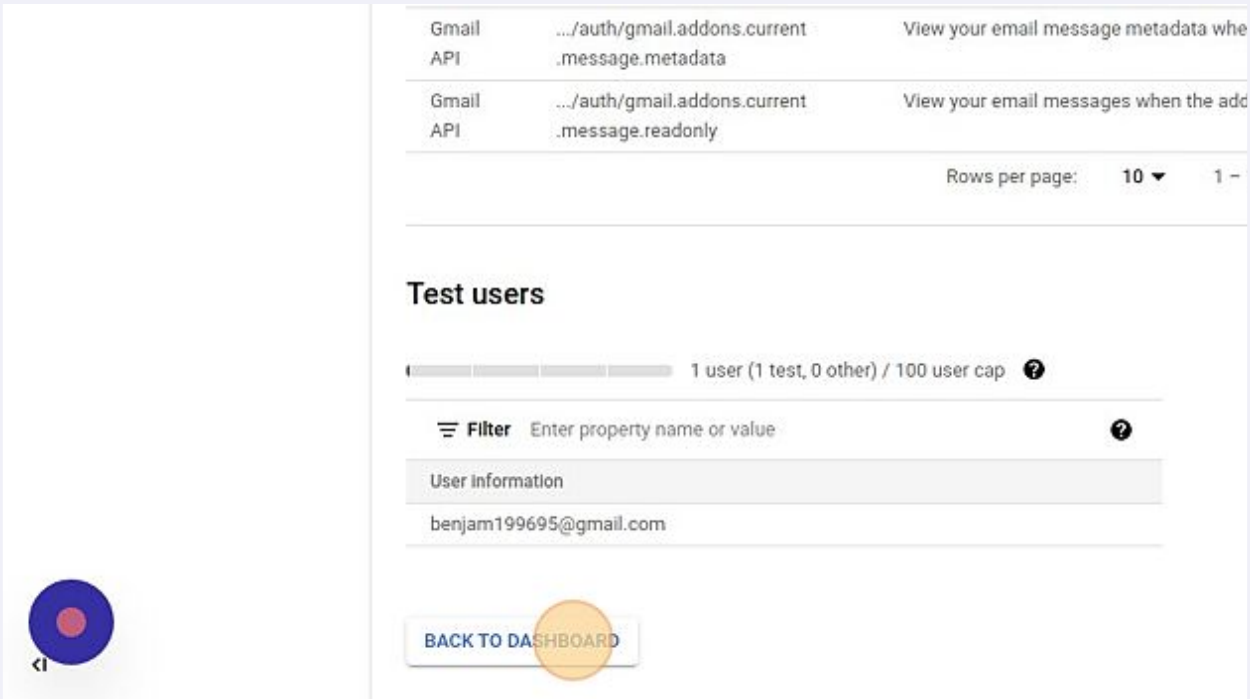
38 Click "ADD"



39 Click "SAVE AND CONTINUE"

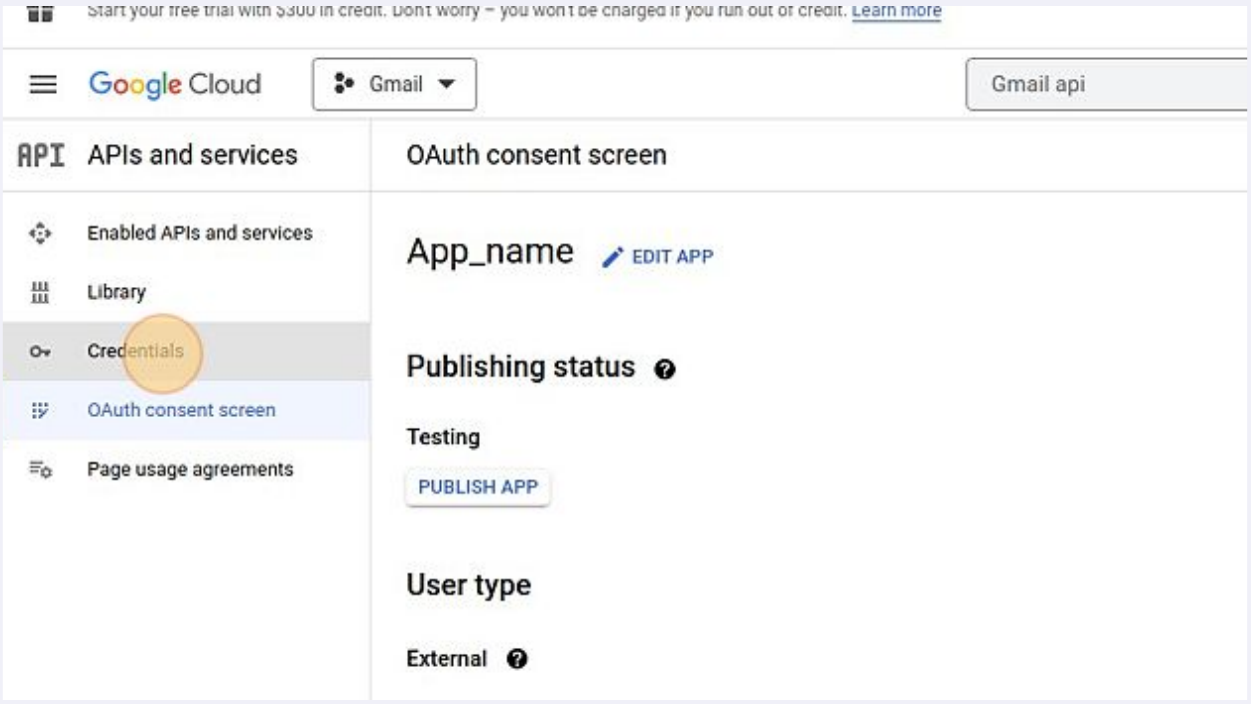


40 Click "BACK TO DASHBOARD"

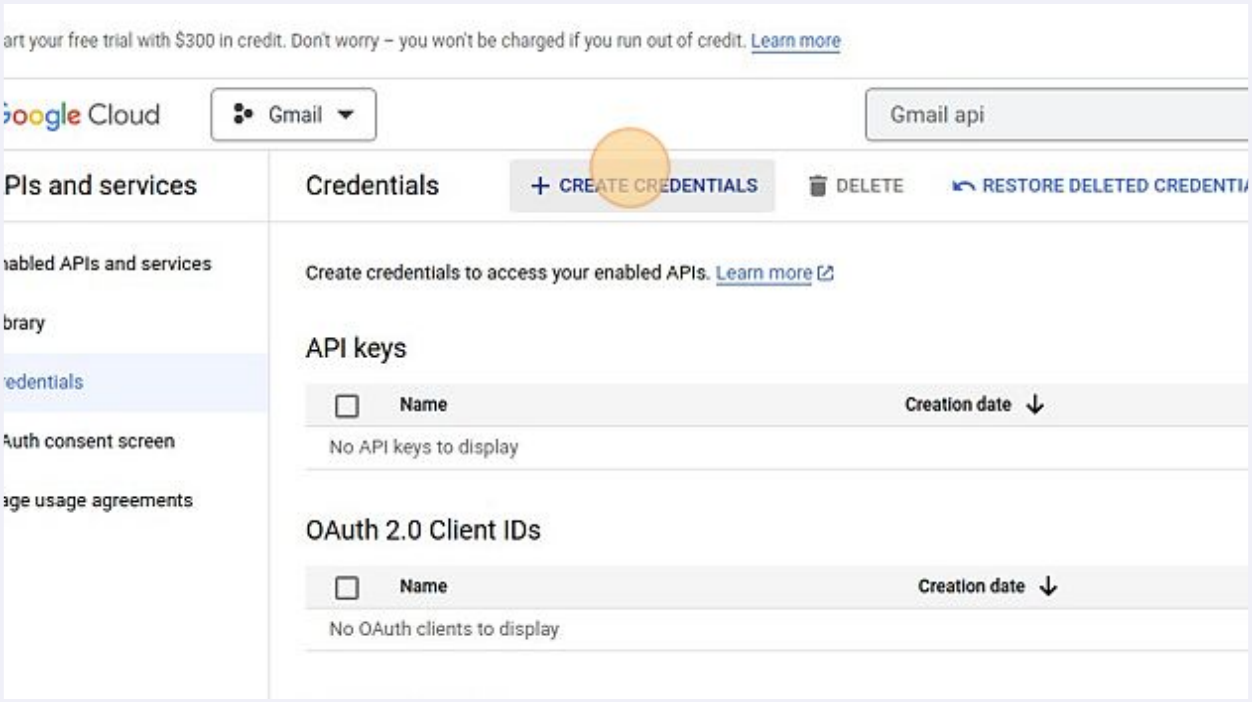


41 Next, we want to download our credentials to be used in our project.

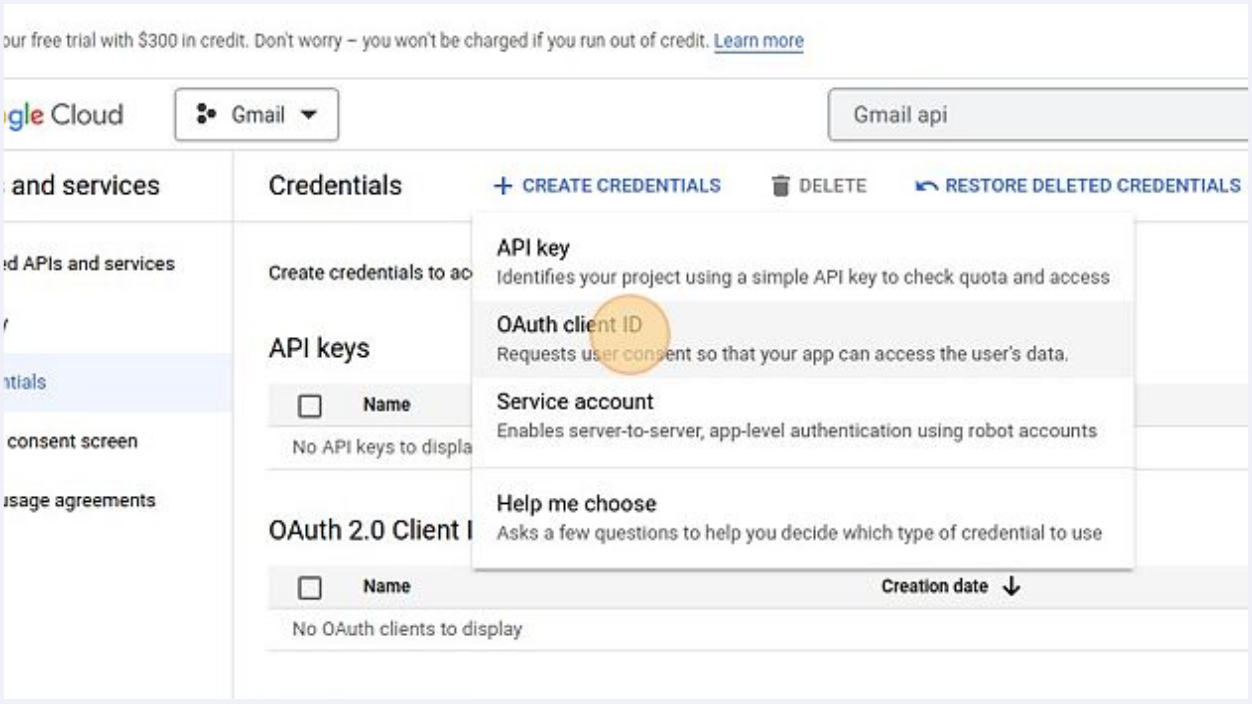
42 Click "Credentials"



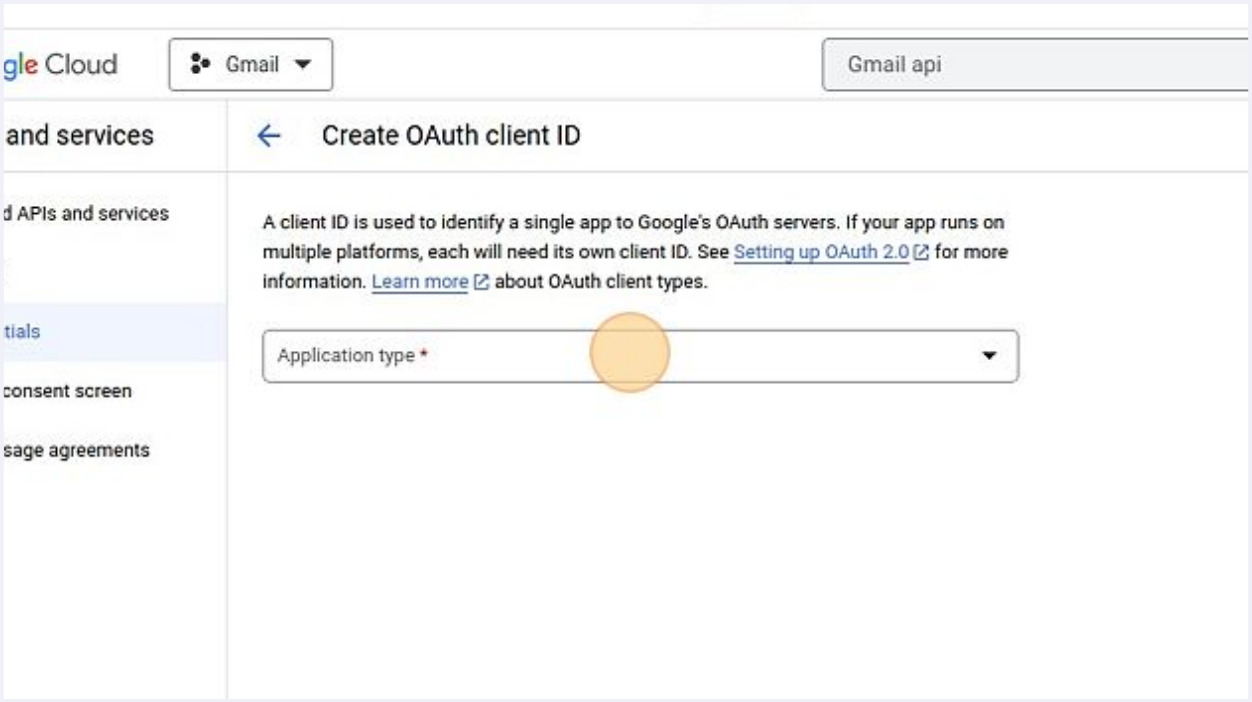
43 Click "CREATE CREDENTIALS"



44 Click here.

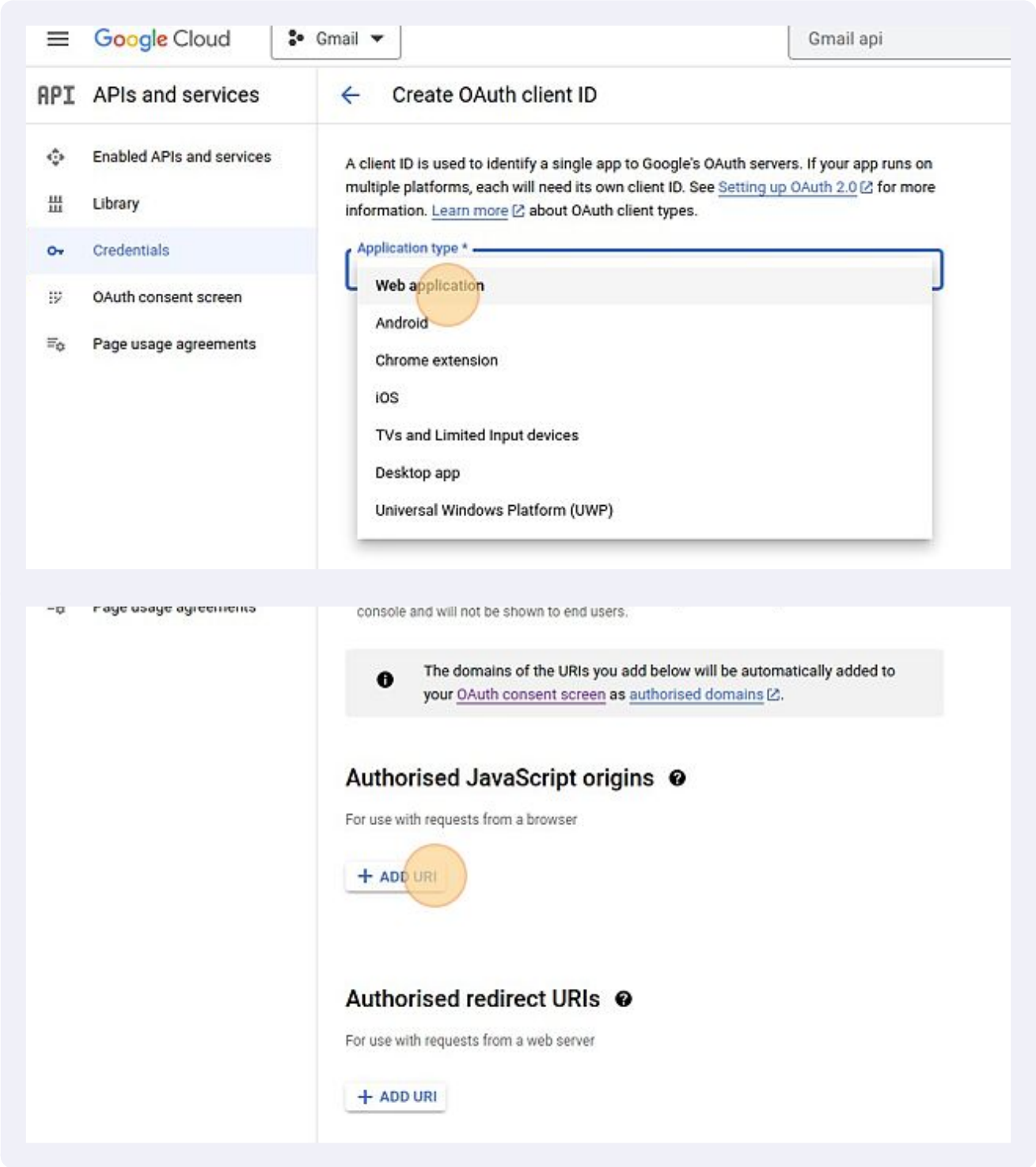


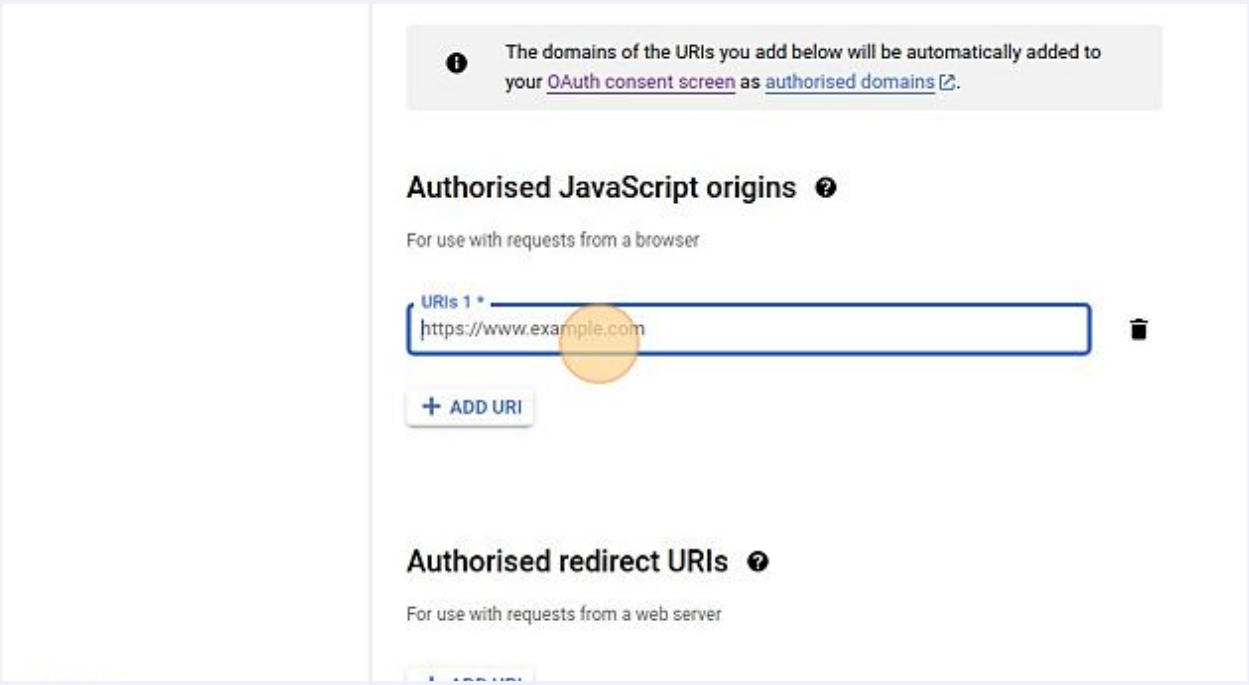
45 Click here.

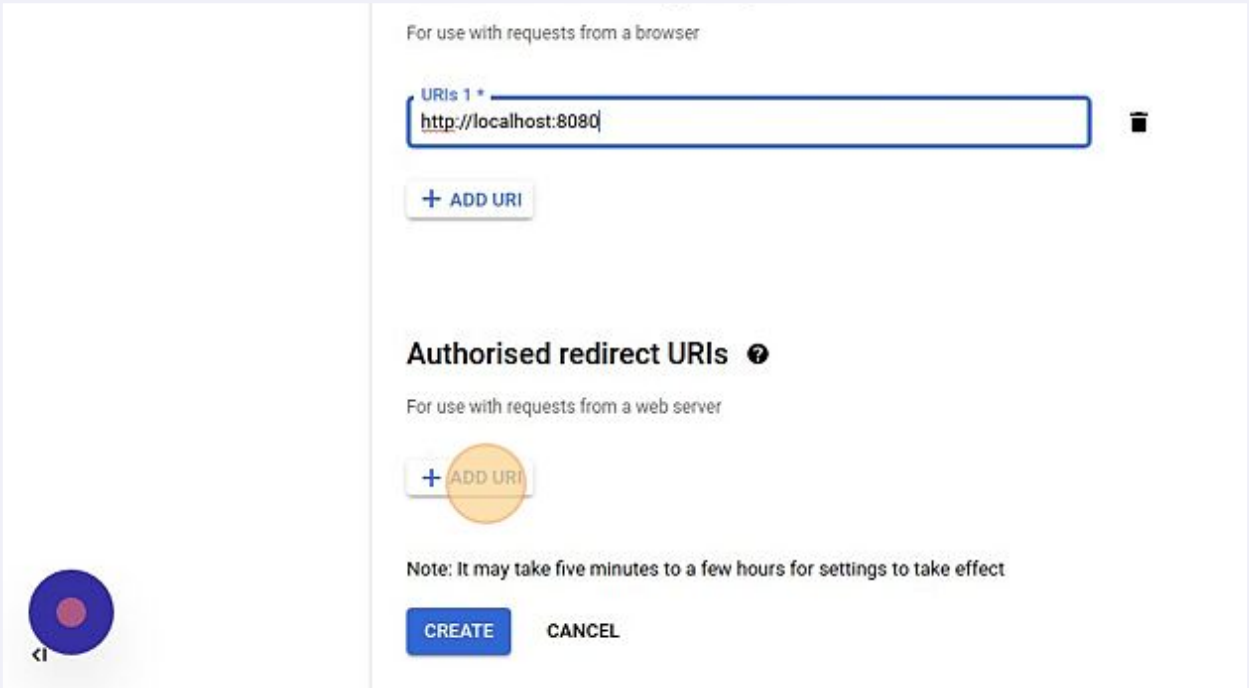


46 This is the only step, where the setup process for Gmail and Google Calendar differ.

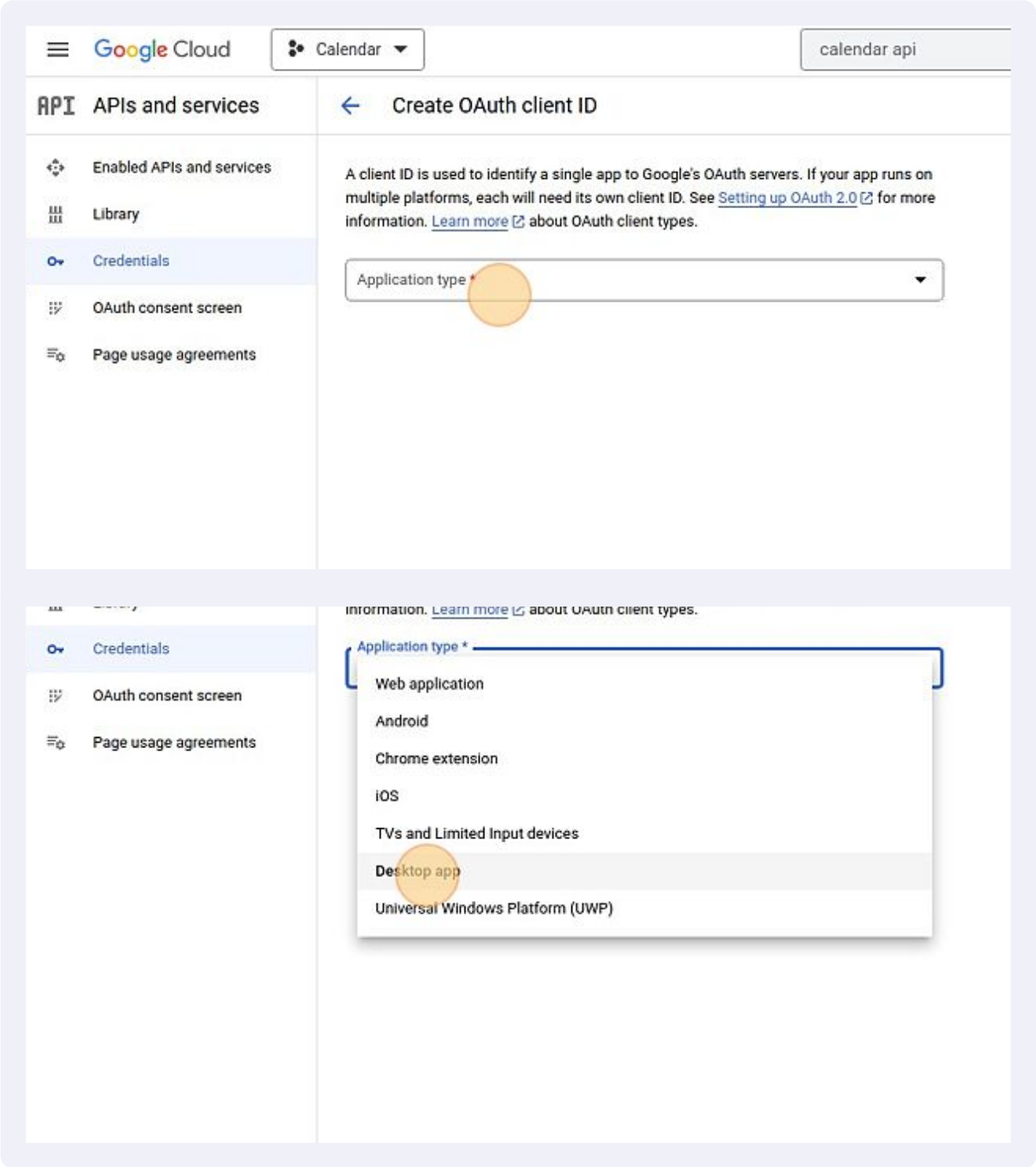
47 For Gmail:
Click "Web application"
Click "ADD URI"
Click here.
Enter "http://localhost:8080"
Click "ADD URI"
Press "http://localhost:8080/"

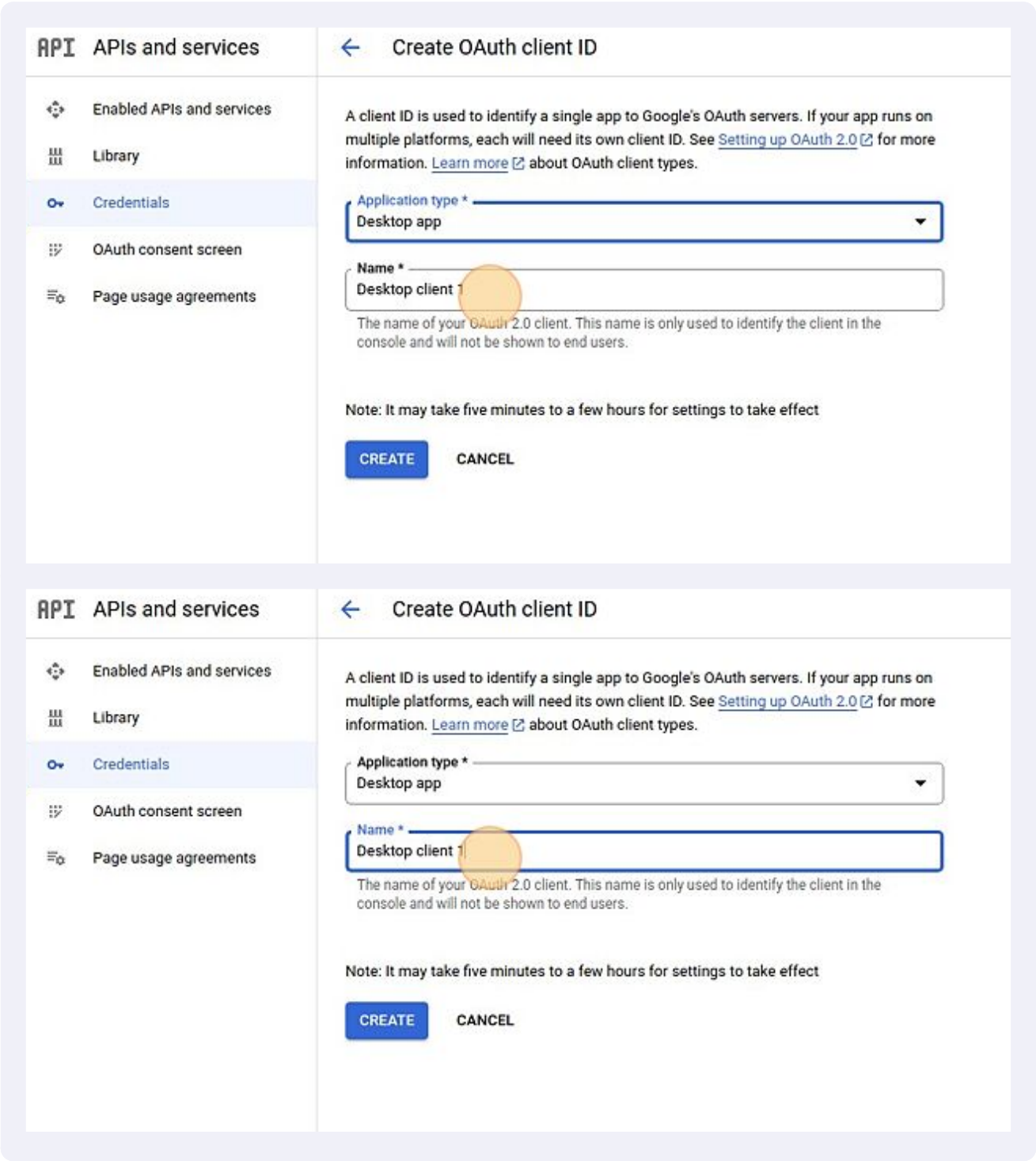

Google Cloud
Gmail
Gmail api
APIs and services
Create OAuth client ID
Enabled APIs and services
Library
Credentials
OAuth consent screen
Page usage agreements
A client ID is used to identify a single app to Google's OAuth servers. If your app runs on multiple platforms, each will need its own client ID. See Setting up OAuth 2.0 for more information. Learn more about OAuth client types.
Application type *
Web application
Android
Chrome extension
iOS
TVs and Limited Input devices
Desktop app
Universal Windows Platform (UWP)
console and will not be shown to end users.
The domains of the URIs you add below will be automatically added to your OAuth consent screen as authorised domains.
Authorised JavaScript origins
For use with requests from a browser
+ ADD URI
Authorised redirect URIs
For use with requests from a web server
+ ADD URI



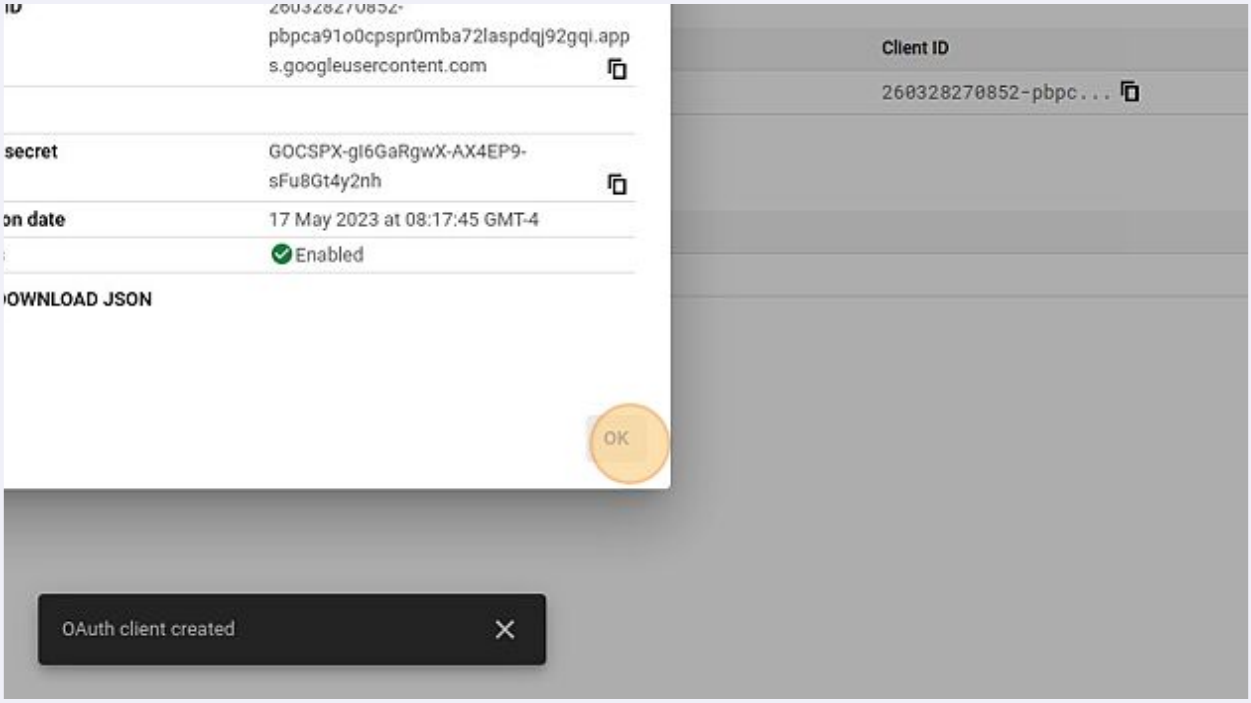


48 For Google Calendar:
Select "Desktop app"
Enter the name of your application.
Press enter or click on "CREATE"

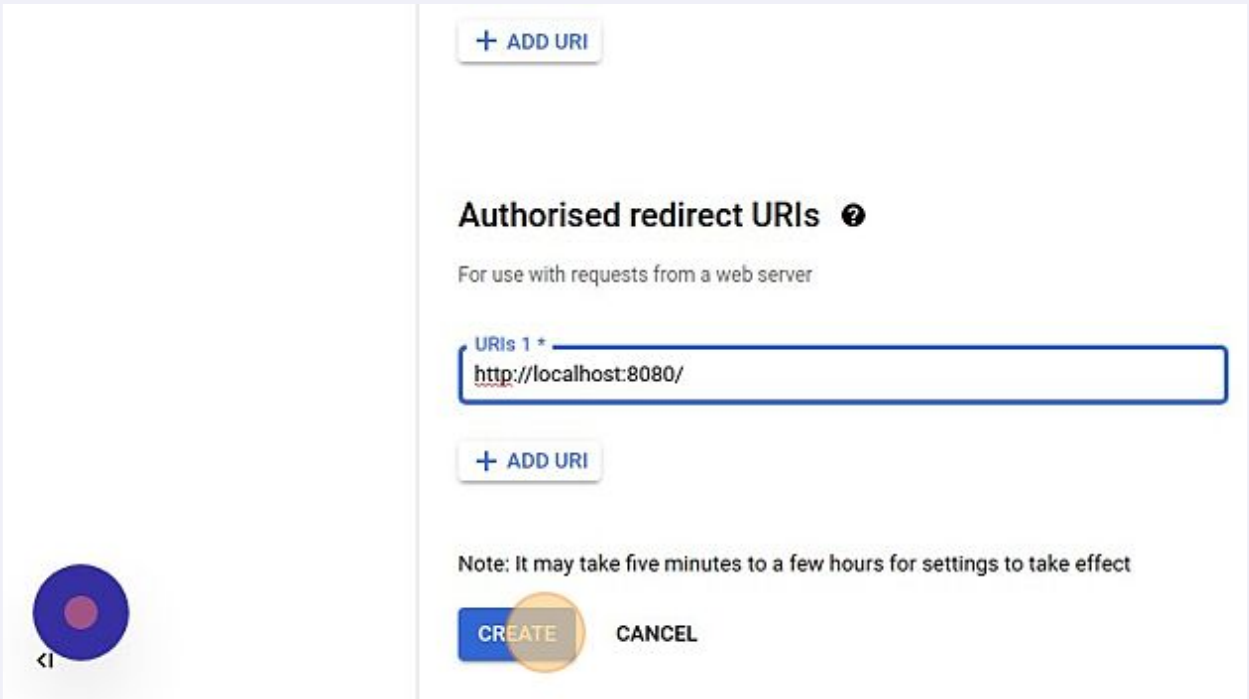

Google Cloud
Calendar
calendar api
APIs and services
Create OAuth client ID
Enabled APIs and services
Library
Credentials
OAuth consent screen
Page usage agreements
A client ID is used to identify a single app to Google's OAuth servers. If your app runs on multiple platforms, each will need its own client ID. See Setting up OAuth 2.0 for more information. Learn more about OAuth client types.
Application type *
Credentials
OAuth consent screen
Page usage agreements
Application type *
Web application
Android
Chrome extension
iOS
TVs and Limited Input devices
Desktop app
Universal Windows Platform (UWP)


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

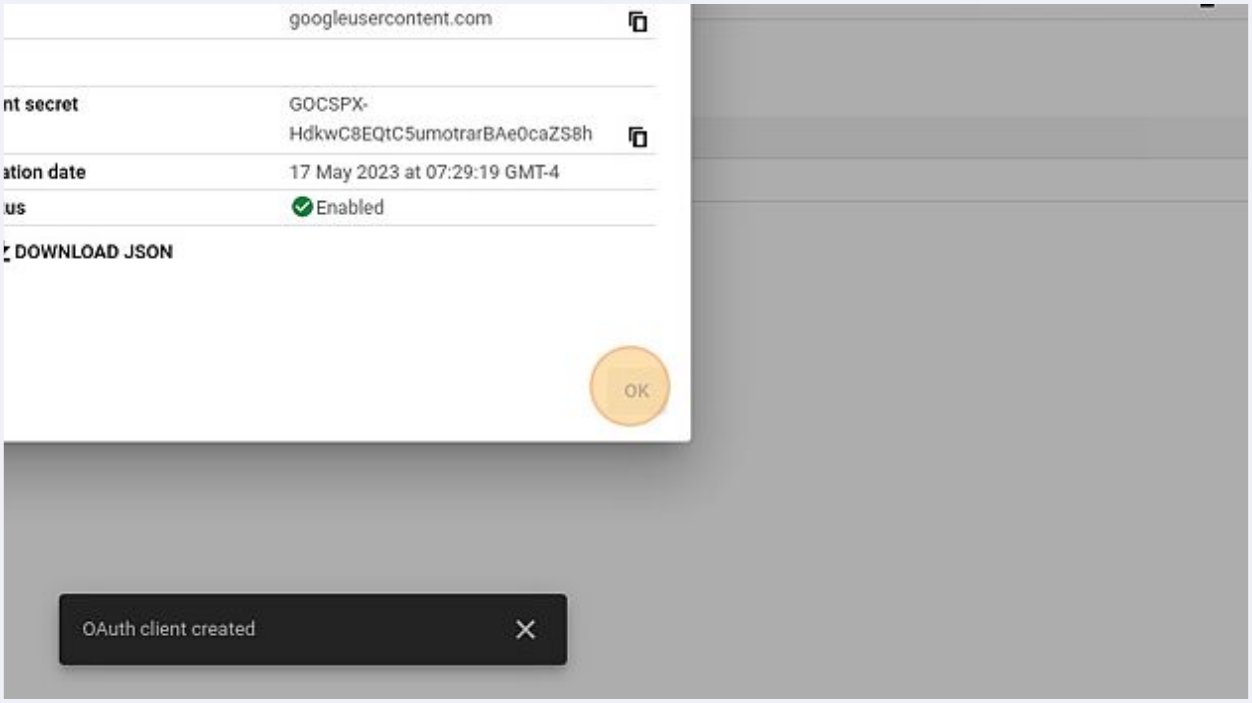
49 Click "OK"



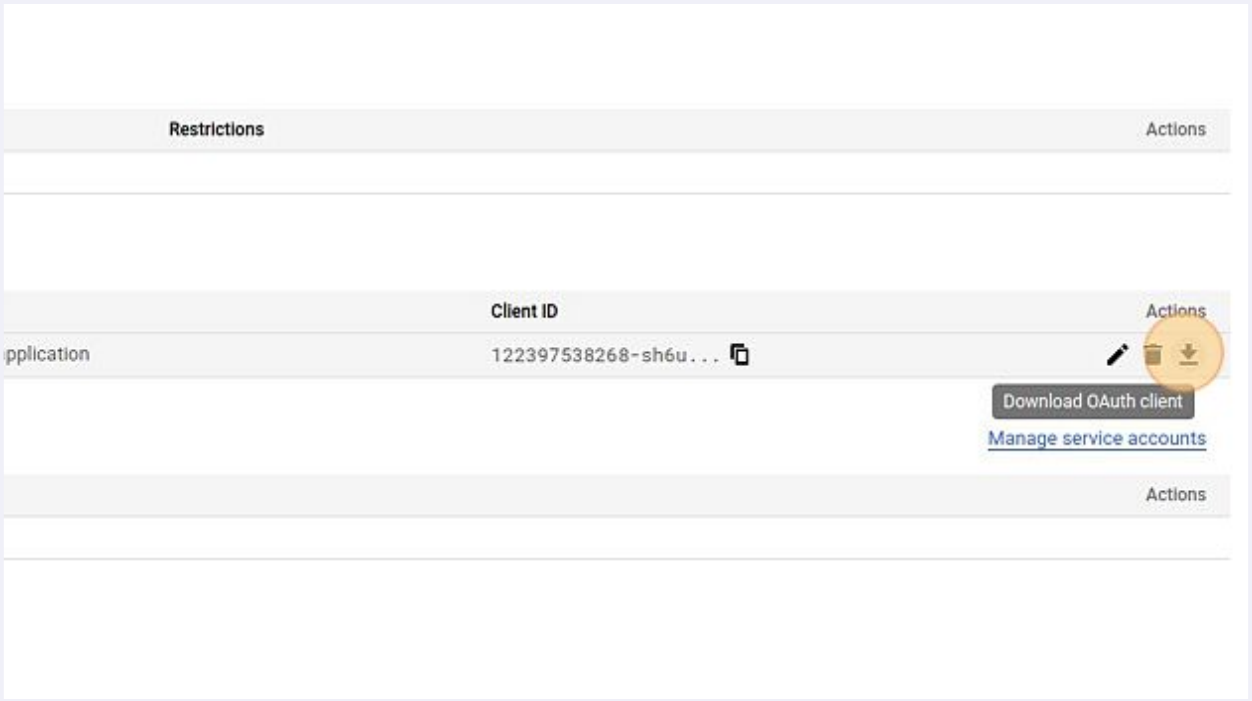
50 Click "CREATE"



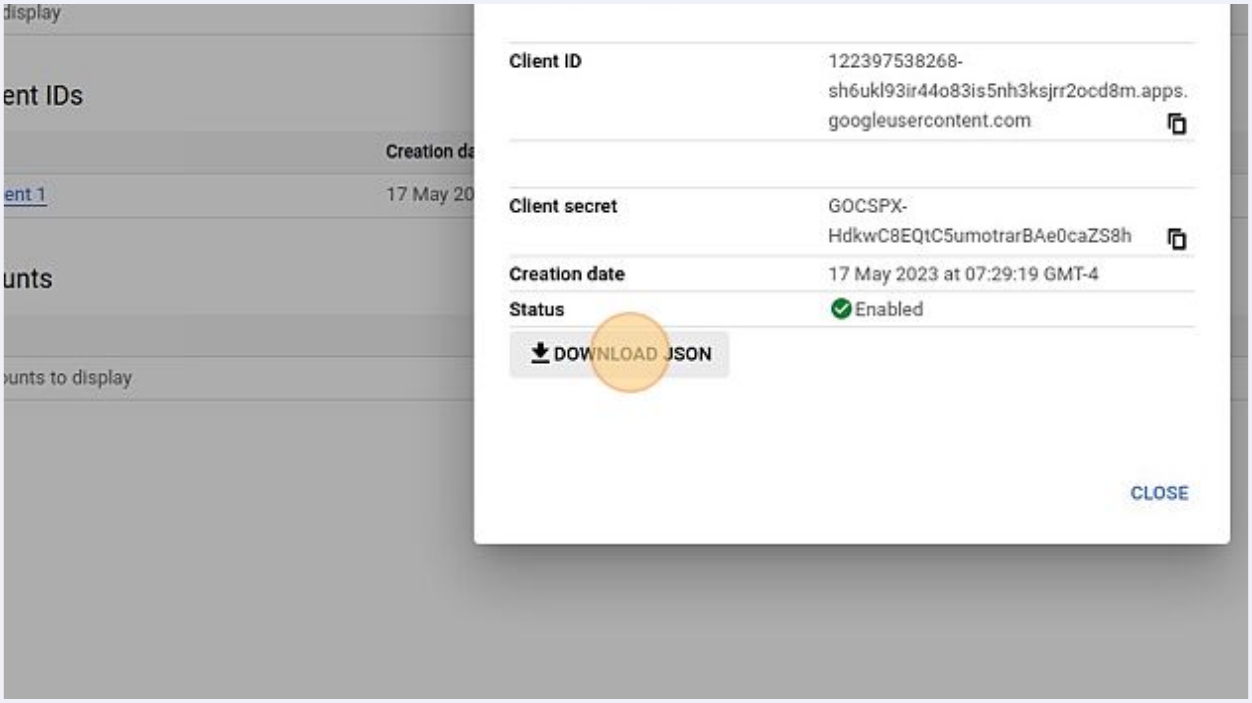
51 Click "OK"



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.