

O2Popper Supplementary Material

How to get Client ID and Client Secret

2022-12-09

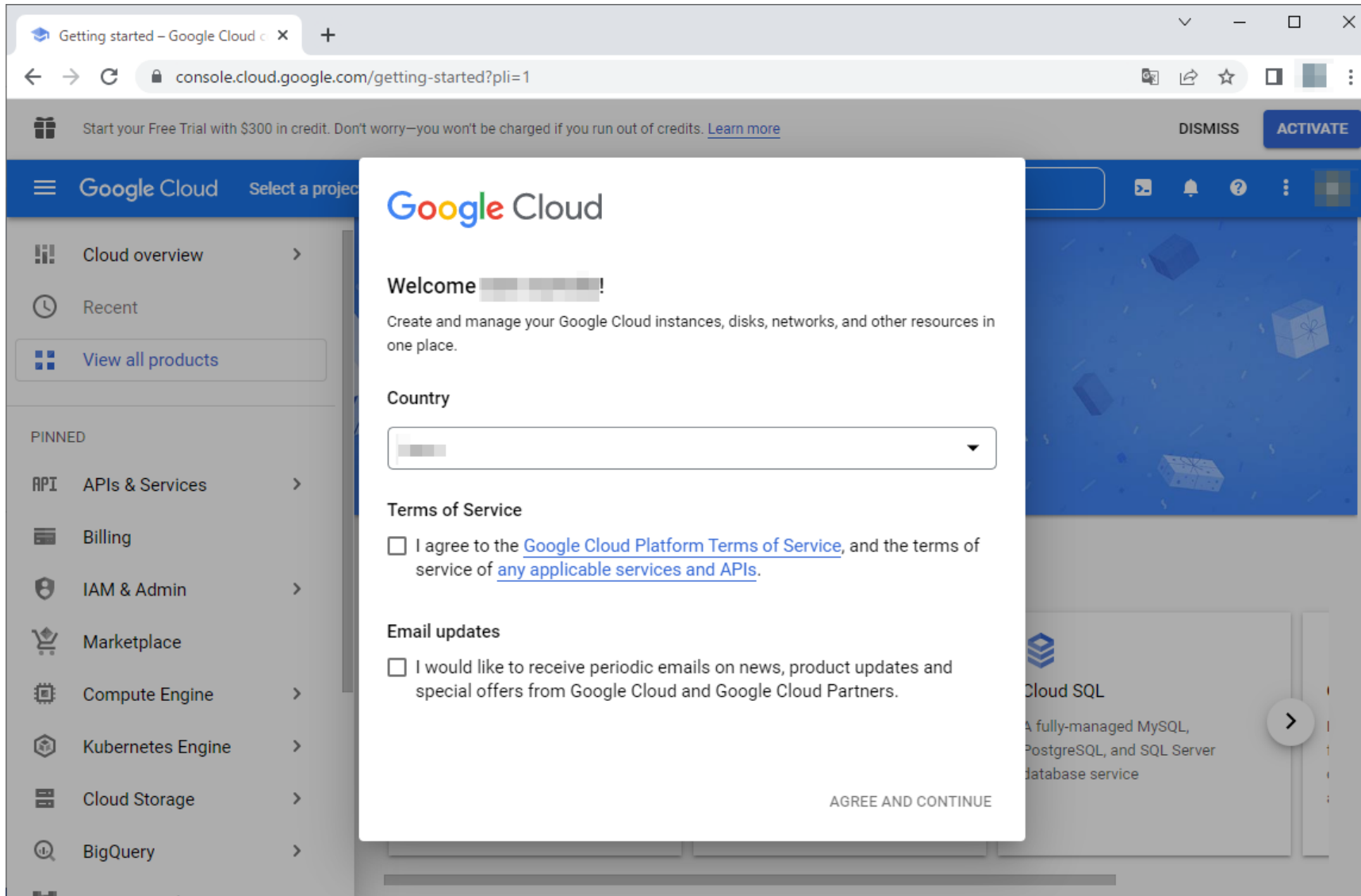
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This document summarizes the procedure to obtain “Client ID” and “Client Secret” for O2Popper from Google Cloud Platform (<https://console.cloud.google.com>).

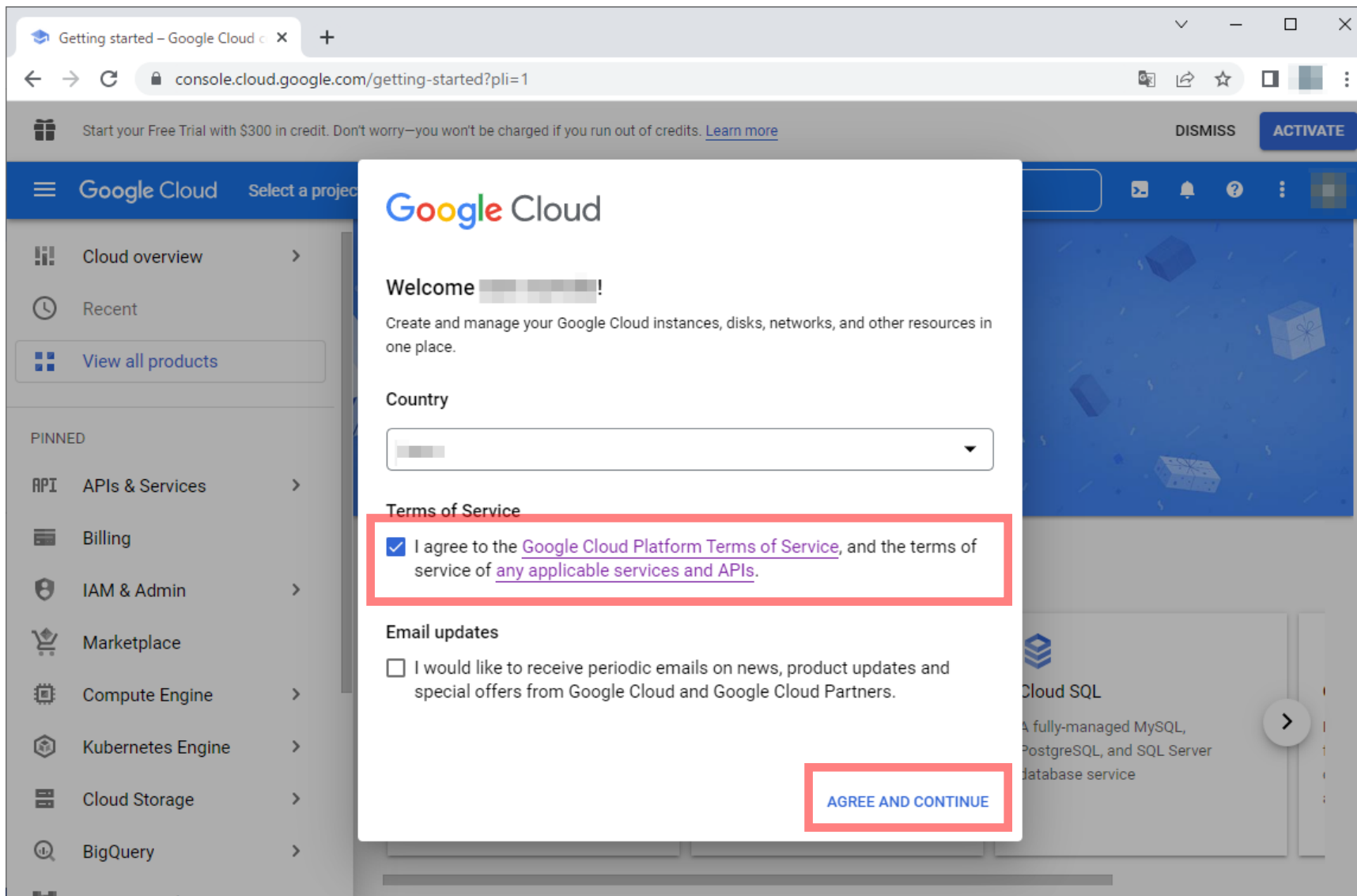
Please note that if you make a mistake in the procedure, you may be charged for the paid version.

The author does not take any responsibility for the operational results of this document.

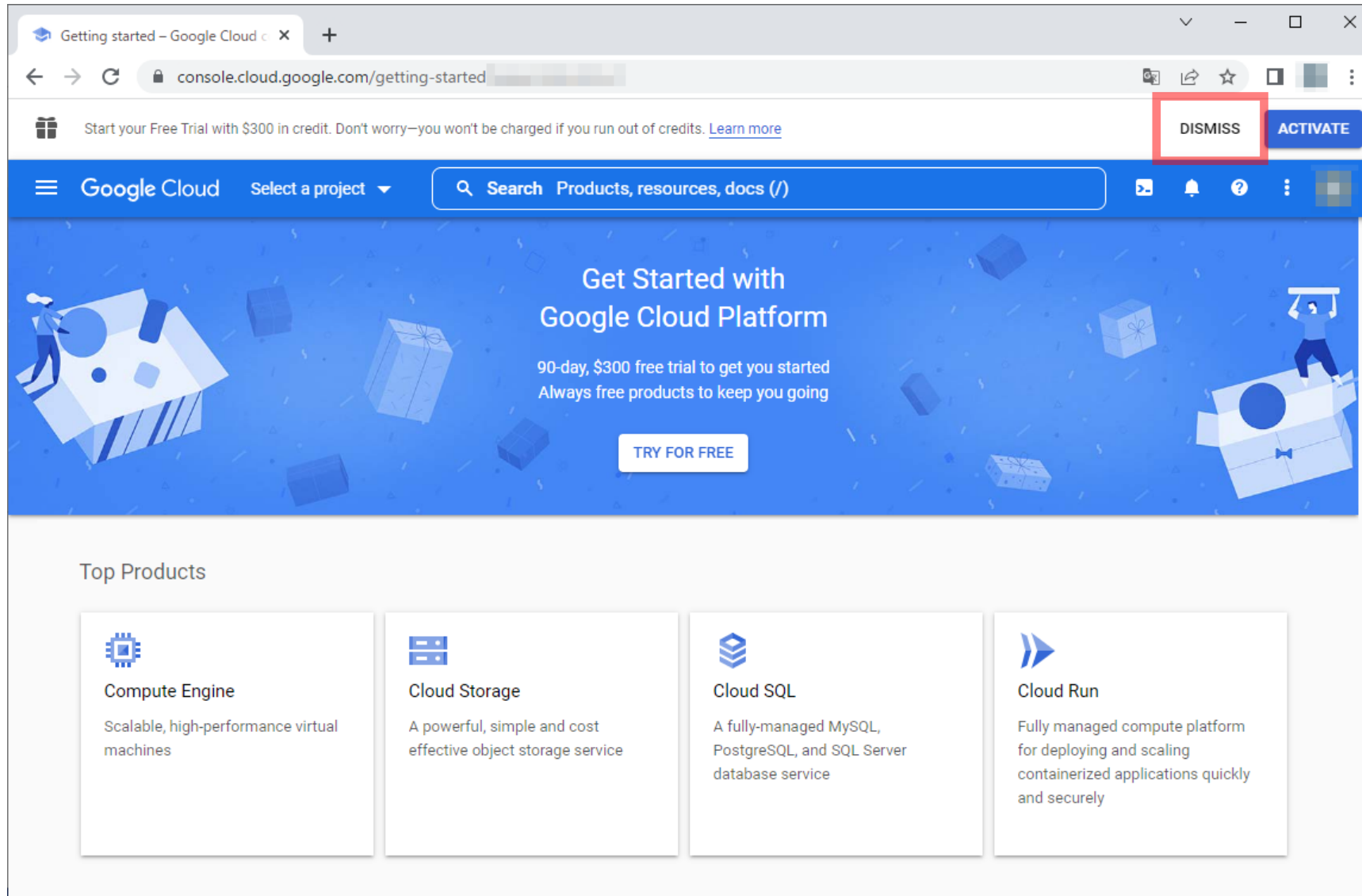
Go to Google Cloud Platform (<https://console.cloud.google.com>).



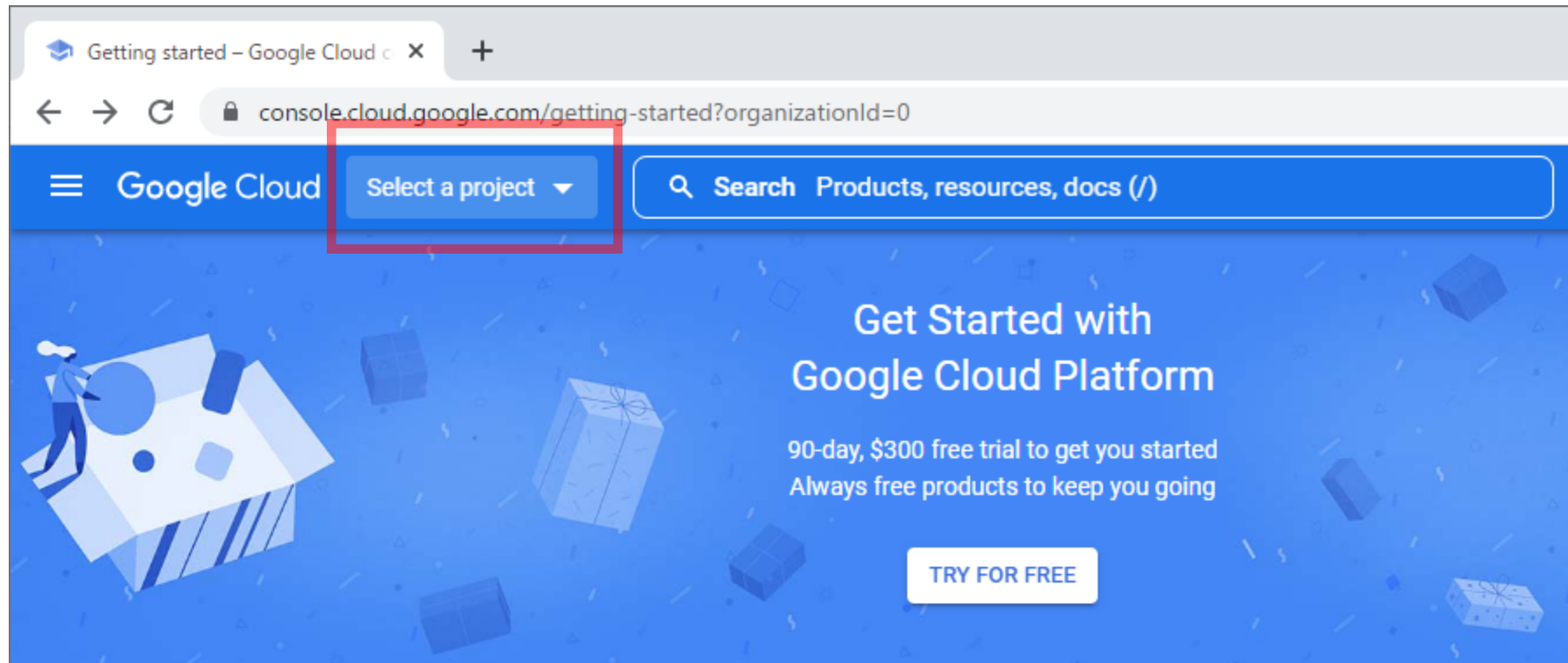
Check “I agree...” in “Terms of Service” and click “AGREE AND CONTINUE”.



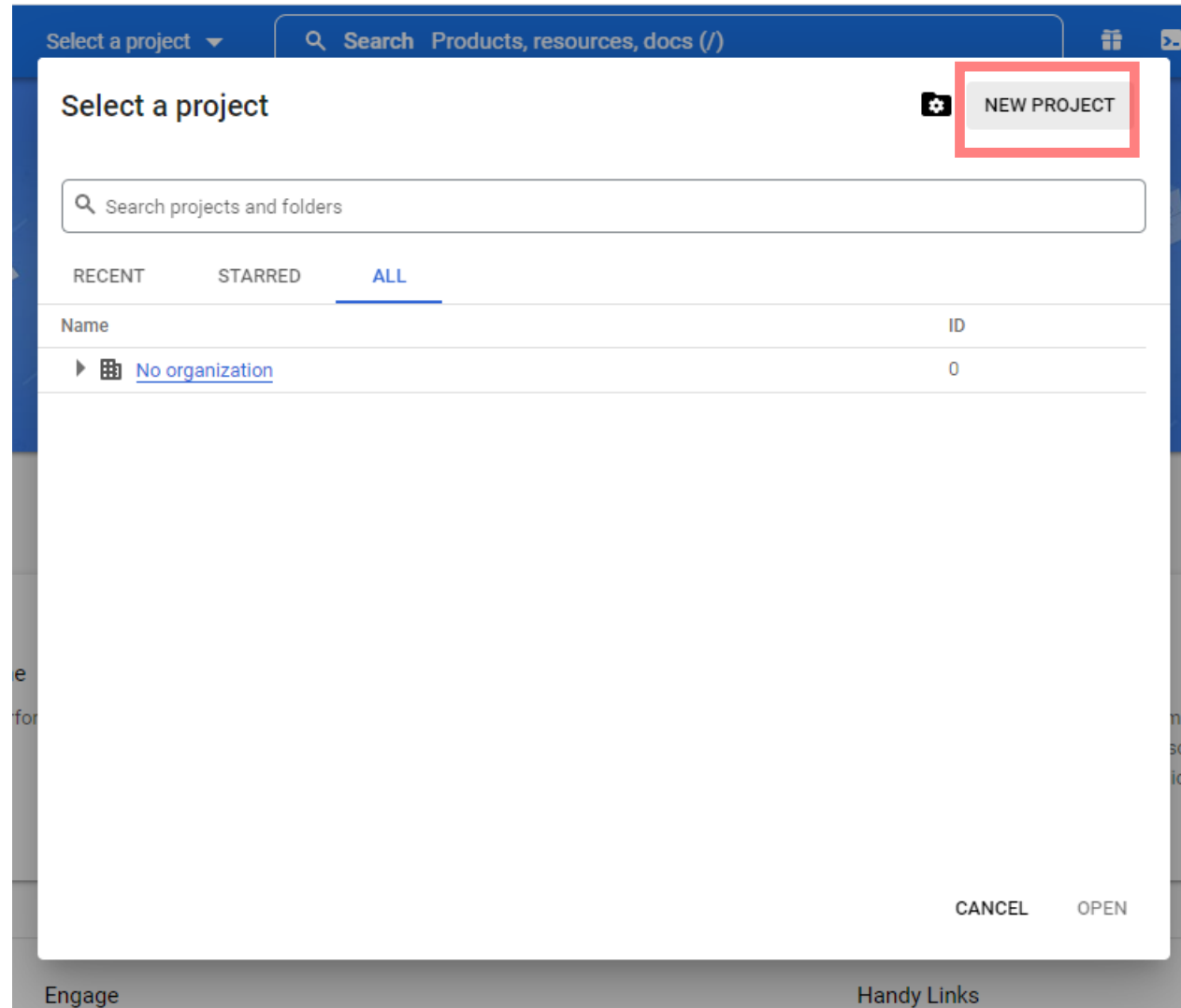
Click “DISMISS” on the top right.



Click “Select a project” at the top.




Click “NEW PROJECT” in the upper right corner of “Select a project” dialog.




Enter “Project name” and click “CREATE”.

Google Cloud Search Products, resources, docs (/)

New Project

 You have projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

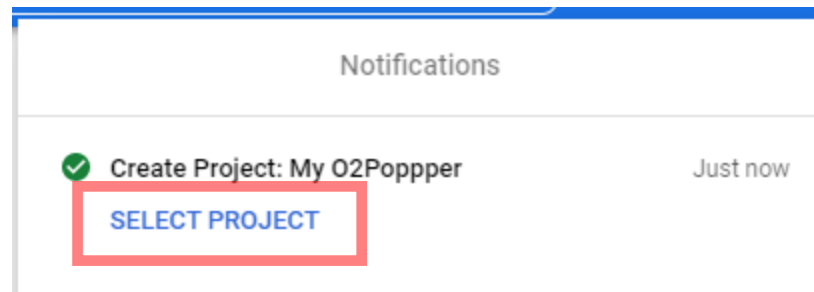
Project name * 

Project ID: my-o2popper. It cannot be changed later. [EDIT](#)

Location * [BROWSE](#)

Parent organization or folder

Click “SELECT PROJECT” in “Notifications” dialog.



The following “DASHBOARD” screen will appear.

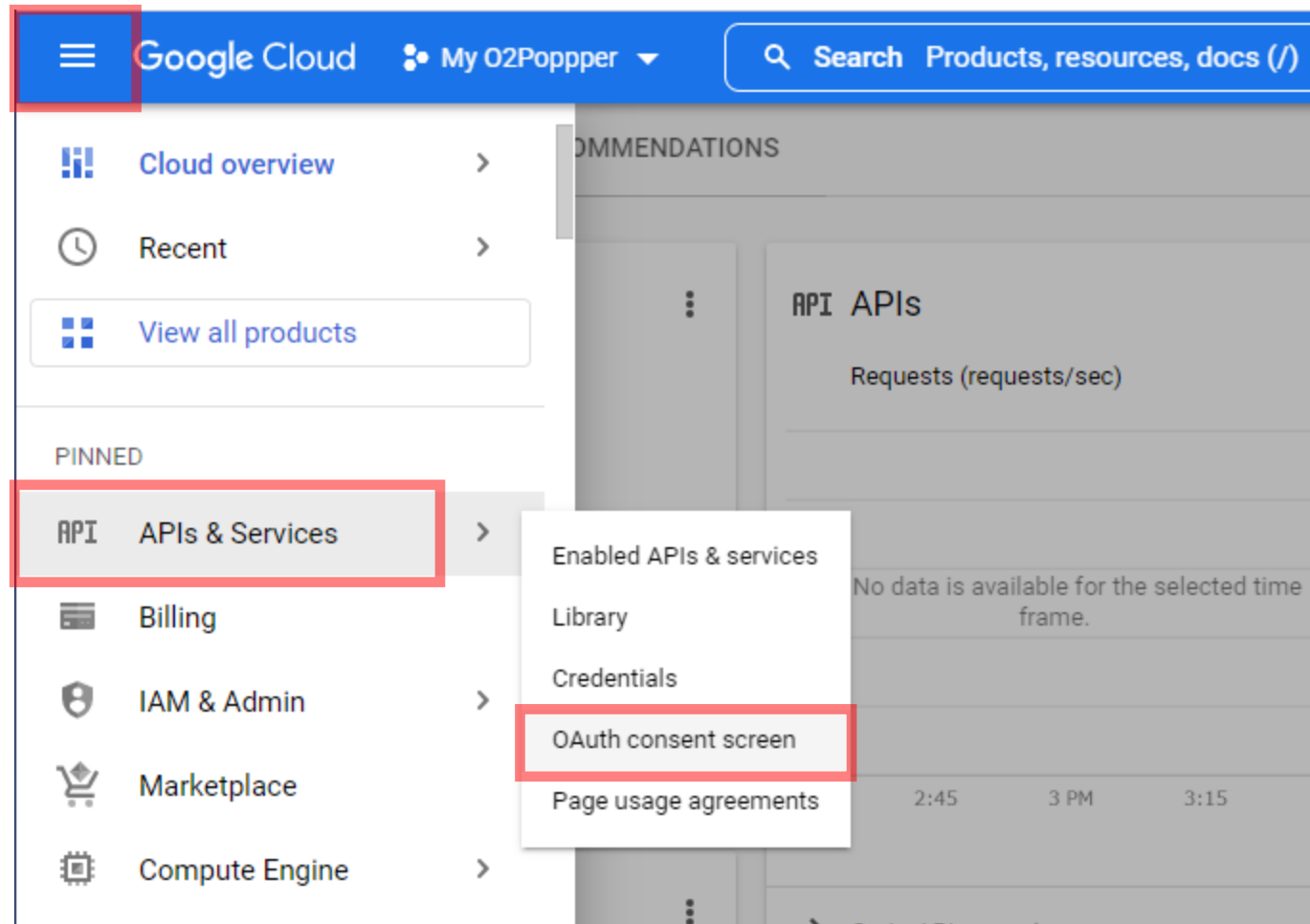
The screenshot shows the Google Cloud Platform dashboard for a project named "My O2Popper". The browser address bar shows the URL: `console.cloud.google.com/home/dashboard?project=my-o2popper-...&organizationId=0&orgonly=true&supportedpur...`. The dashboard header includes the Google Cloud logo, the project name "My O2Popper", a search bar, and navigation icons. Below the header, there are tabs for "DASHBOARD", "ACTIVITY", and "RECOMMENDATIONS", along with a "CUSTOMIZE" button.

The dashboard is divided into several sections:

- Project info:** Displays project details such as Project name (My O2Popper), Project number, and Project ID. It includes a button "ADD PEOPLE TO THIS PROJECT" and a link "Go to project settings".
- API APIs:** Shows a line chart for "Requests (requests/sec)" with a y-axis from 0 to 1.0 and an x-axis from 2:30 to 3:15. A warning icon and message state: "No data is available for the selected time frame." A link "Go to APIs overview" is provided.
- Google Cloud Platform status:** Indicates "All services normal" and includes a link "Go to Cloud status dashboard".
- Monitoring:** Offers options to "Create my dashboard", "Set up alerting policies", and "Create uptime checks". It also includes a link "View all dashboards" and "Go to Monitoring".
- Resources:** Lists various services: BigQuery (Data warehouse/analytics), SQL (Managed MySQL, PostgreSQL, SQL Server), Compute Engine (VMs, GPUs, TPUs, Disks), and Storage (Multi-class multi-region object storage).
- API Error Reporting:** Shows "No sign of any errors. Have you set up Error Reporting?".

A dark notification box at the bottom center of the dashboard reads: "Now viewing project 'My O2Popper' in organization 'No organization'".

Click the hamburger button on the top left, then “APIs & Services”, then “OAuth consent screen”.



Select “External” for “User Type” and click “CREATE”.
(You can select “Internal” for Google Workspace accounts.)

The screenshot shows the Google Cloud console interface for configuring an OAuth consent screen. The top navigation bar includes the Google Cloud logo, the project name 'My O2Poppper', and a search bar. The left sidebar shows the 'APIs & Services' menu with 'OAuth consent screen' selected. The main content area is titled 'OAuth consent screen' and contains instructions on how to configure the app. Under the 'User Type' section, two options are listed: 'Internal' and 'External'. The 'External' option is selected, indicated by a blue radio button and a red rectangular highlight. Below the 'External' option is a blue 'CREATE' button, also highlighted with a red rectangular box. The 'Internal' option is unselected and has a red box around it as well, but it is not the focus of the instruction.

Google Cloud My O2Poppper Search Products, resources, docs (/)

API APIs & Services OAuth consent screen

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

Choose how you want to configure and register your app, including your target users. You can only associate one app with your project.

User Type

Internal ?

Only available to users within your organization. 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

Enter “App name” and “User support email” in “App Information”.

The screenshot shows the Google Cloud console interface. At the top, there is a blue header with the Google Cloud logo, the user name 'My O2Popper', and a search bar. Below the header, the left sidebar shows the 'APIs & Services' menu with 'OAuth consent screen' selected. The main content area is titled 'Edit app registration' and contains a progress indicator with four steps: 1. OAuth consent screen (active), 2. Scopes, 3. Test users, and 4. Summary. The 'App information' section is highlighted, with a description: 'This shows in the consent screen, and helps end users know who you are and contact you'. Two input fields are highlighted with red boxes: 'App name *' (with a description 'The name of the app asking for consent') and 'User support email *' (with a description 'For users to contact you with questions about their consent').

Scroll down to the bottom of the screen and enter “Email addresses” of “Developer contact information” and click “SAVE AND CONTINUE”.

The screenshot shows the 'OAuth consent screen' configuration page. The left sidebar contains 'OAuth consent screen' and 'Page usage agreements'. The main content area has a header 'Provide users a link to your public terms of service'. Below that is the 'Authorized domains' section with a help icon and explanatory text. A '+ ADD DOMAIN' button is present. The 'Developer contact information' section is highlighted with a red box and contains an 'Email addresses *' input field, also highlighted with a red box. Below the input field is the text: 'These email addresses are for Google to notify you about any changes to your project.' At the bottom, the 'SAVE AND CONTINUE' button is highlighted with a red box, and the 'CANCEL' button is visible to its right. A back arrow is in the bottom left corner.

OAuth consent screen

Page usage agreements

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

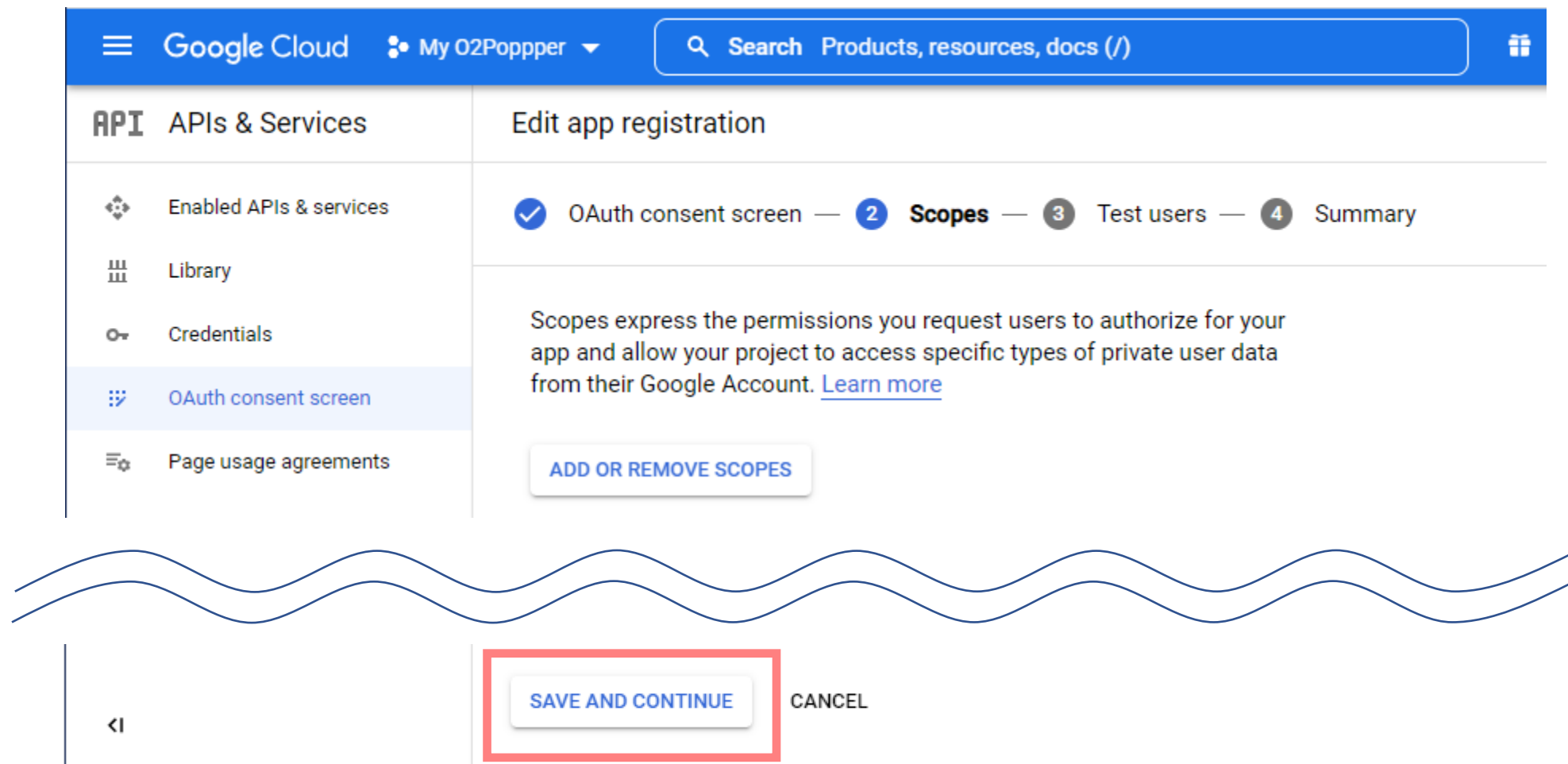
Developer contact information

Email addresses *

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

SAVE AND CONTINUE CANCEL

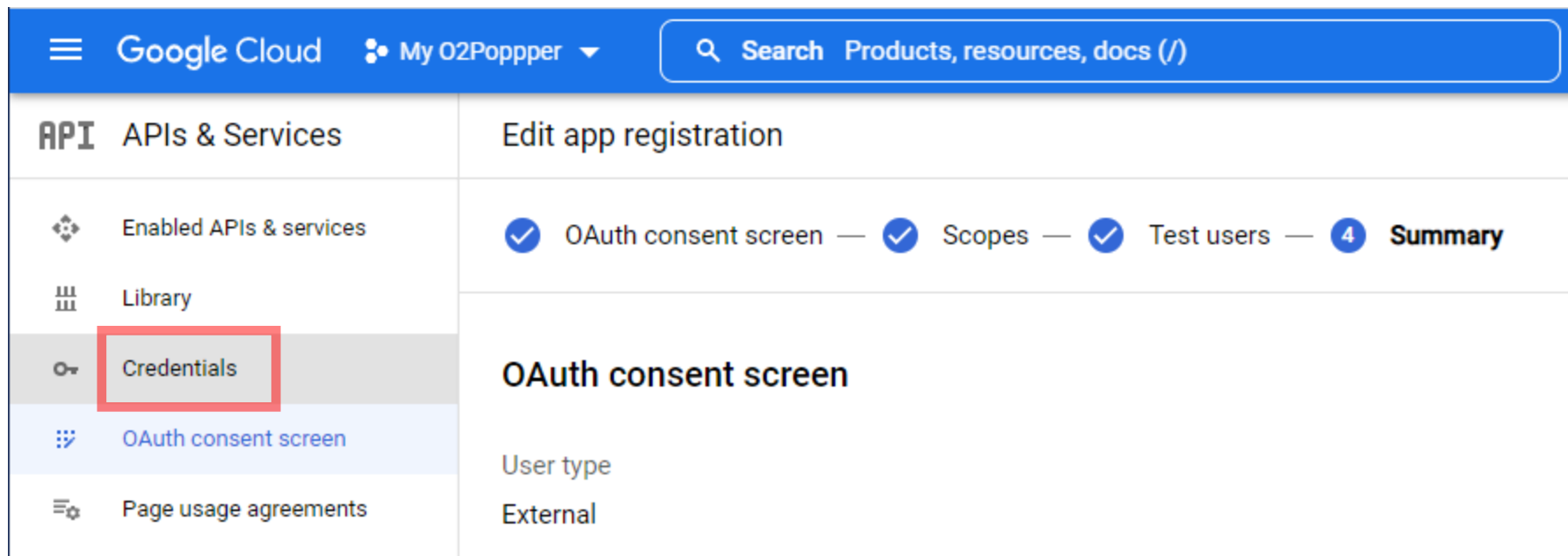
Scroll down and click “SAVE AND CONTINUE”.



Click "SAVE AND CONTINUE".

The screenshot shows the Google Cloud console interface for editing an app registration. The top navigation bar includes the Google Cloud logo, the project name 'My O2Popper', and a search bar. The left sidebar shows the 'APIs & Services' menu with 'OAuth consent screen' selected. The main content area is titled 'Edit app registration' and features a progress indicator with four steps: 'OAuth consent screen' (checked), 'Scopes' (checked), 'Test users' (active, highlighted with a blue circle and the number 3), and 'Summary' (highlighted with a grey circle and the number 4). Below the progress indicator, the 'Test users' section is displayed, containing a descriptive paragraph about testing status and a '+ ADD USERS' button. A filter bar is present below the button, showing 'Filter' and 'Enter property name or value'. Below the filter, a table header 'User information' is visible, but the table is empty, displaying 'No rows to display'. At the bottom of the page, two buttons are shown: 'SAVE AND CONTINUE' (highlighted with a red rectangular box) and 'CANCEL'.

Click “Credentials” on the left menu of the screen.



Click “CREATE CREDENTIALS” at the top of the screen.

The screenshot shows the Google Cloud console interface. At the top, there is a blue header with the Google Cloud logo, the account name 'My O2Popper', and a search bar. Below the header is a navigation sidebar on the left with the following items: 'APIs & Services', 'Enabled APIs & services', 'Library', 'Credentials' (highlighted in blue), 'OAuth consent screen', and 'Page usage agreements'. The main content area is titled 'Credentials' and features a red-bordered button labeled '+ CREATE CREDENTIALS' and a 'DELETE' button. Below this, there is a text prompt: 'Create credentials to access your enabled APIs. [Learn more](#)'. The page is divided into three sections: 'API Keys', 'OAuth 2.0 Client IDs', and 'Service Accounts'. Each section has a table header with a checkbox, a column name, and a sort arrow. The 'API Keys' section has columns for 'Name', 'Creation date', and 'Restrictions', with the text 'No API keys to display' below. The 'OAuth 2.0 Client IDs' section has columns for 'Name', 'Creation date', and 'Type', with the text 'No OAuth clients to display' below. The 'Service Accounts' section has columns for 'Email' and 'Name', with the text 'No service accounts to display' below.

Click “OAuth client ID” in the pull-down menu.

The screenshot shows the Google Cloud console interface. At the top, there is a blue header with the Google Cloud logo, the project name 'My O2Popper', and a search bar. Below the header, the left sidebar shows the 'APIs & Services' menu with 'Credentials' selected. The main content area is titled 'Credentials' and includes a '+ CREATE CREDENTIALS' button and a 'DELETE' button. A dropdown menu is open, listing four options: 'API key', 'OAuth client ID', 'Service account', and 'Help me choose'. The 'OAuth client ID' option is highlighted with a red border. Below the dropdown, there are three sections: 'API Keys' (showing 'No API keys to display'), 'OAuth 2.0 Client I' (showing 'No OAuth clients to display'), and 'Service Accounts' (showing 'No service accounts to display').

Google Cloud My O2Popper Search Products, resources, docs (/)

API APIs & Services

Enabled APIs & services

Library

Credentials

OAuth consent screen

Page usage agreements

Credentials + CREATE CREDENTIALS DELETE

Create credentials to access your project

API Keys

No API keys to display

OAuth 2.0 Client I

No OAuth clients to display

Service Accounts

No service accounts to display

API key
Identifies your project using a simple API key to check quota and access

OAuth client ID
Requests user consent so your app can access the user's data

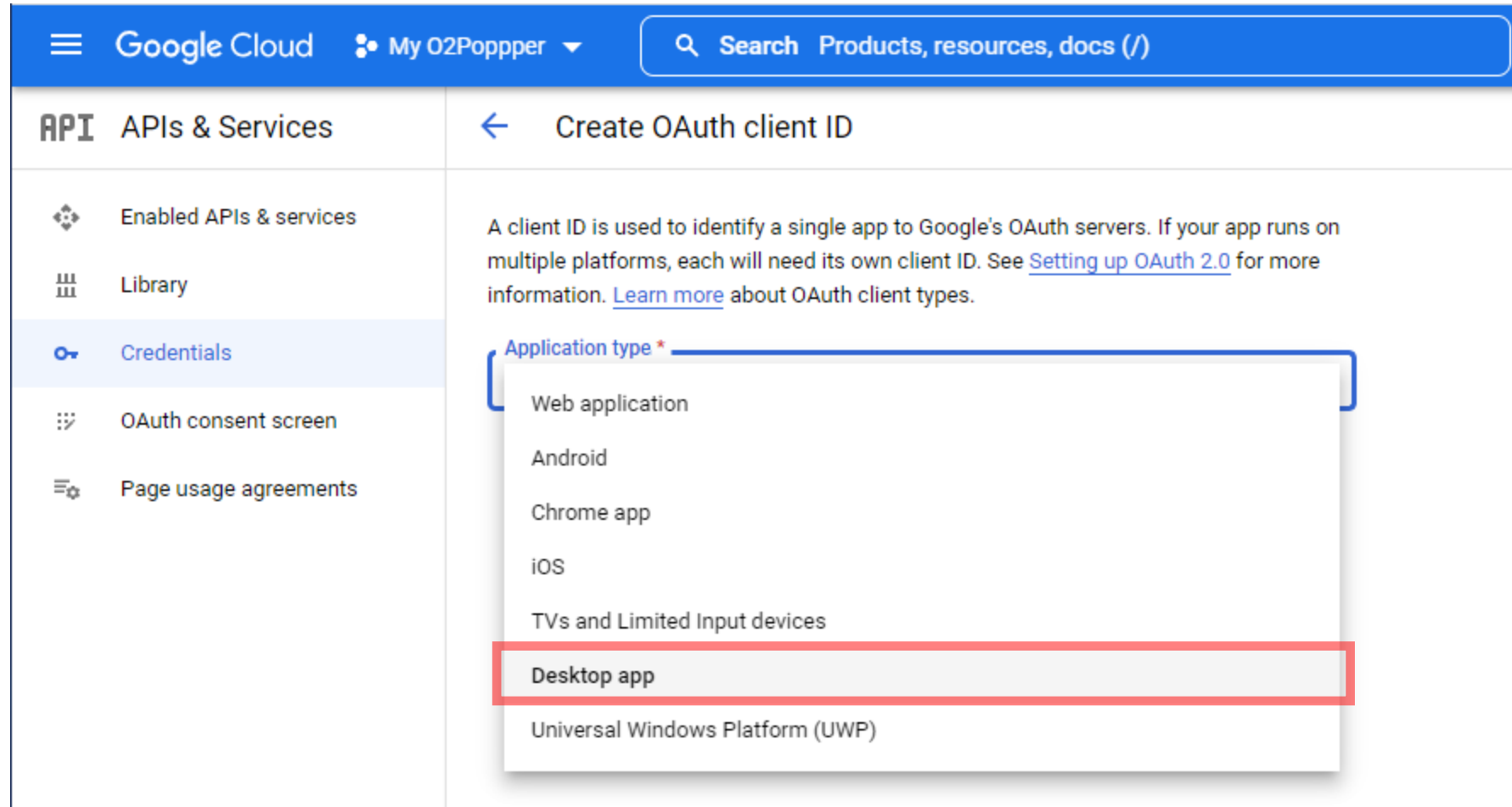
Service account
Enables server-to-server, app-level authentication using robot accounts

Help me choose
Asks a few questions to help you decide which type of credential to use

Name Creation date ↓ Type

Name ↑

Under “Application type”, select “Desktop app”.



The screenshot shows the Google Cloud console interface. At the top, there is a blue header with the Google Cloud logo, the account name 'My O2Popper', and a search bar. Below the header, the left sidebar shows the 'APIs & Services' menu with options like 'Enabled APIs & services', 'Library', 'Credentials', 'OAuth consent screen', and 'Page usage agreements'. The main content area is titled 'Create OAuth client ID' and contains a paragraph explaining that a client ID is used to identify a single app to Google's OAuth servers. Below this text is a dropdown menu for 'Application type *'. The dropdown menu is open, showing several options: 'Web application', 'Android', 'Chrome app', 'iOS', 'TVs and Limited Input devices', 'Desktop app', and 'Universal Windows Platform (UWP)'. The 'Desktop app' option is highlighted with a red rectangular box.

Google Cloud My O2Popper Search Products, resources, docs (/)

API APIs & Services

← Create OAuth client ID

Enabled APIs & 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 app
- iOS
- TVs and Limited Input devices
- Desktop app**
- Universal Windows Platform (UWP)

Enter “Name” and click “CREATE”.

The screenshot shows the Google Cloud console interface for creating an OAuth client ID. The top navigation bar includes the Google Cloud logo, the account name 'My O2Popper', and a search bar. The left sidebar shows the 'APIs & Services' menu with 'Credentials' selected. The main content area is titled 'Create OAuth client ID' and contains a description of client IDs, an 'Application type' dropdown menu set to 'Desktop app', and a 'Name' text input field containing 'My O2Popper'. Below the name field is a note about the client name's visibility. At the bottom, there are 'CREATE' and 'CANCEL' buttons.

Google Cloud My O2Popper Search Products, resources, docs (/)

API APIs & Services

← Create OAuth client ID

Enabled APIs & 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 *
Desktop app

Name *
My O2Popper

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 5 minutes to a few hours for settings to take effect

CREATE CANCEL

Copy “Your Client ID” and “Your Client Secret” and save them in Notepad or the like, or click “DOWNLOAD JSON” and save the “Secret File”.

The screenshot shows the Google Cloud console interface. The top navigation bar includes the Google Cloud logo, the user name "My O2Popper", and a search bar. The main content area is titled "APIs & Services" and "Credentials". A modal dialog titled "OAuth client created" is displayed in the foreground. The dialog contains the following text: "The client ID and secret can always be accessed from Credentials in APIs & Services". Below this is an information icon and a message: "OAuth access is restricted to the [test users](#) listed on your [OAuth consent screen](#)". There are two input fields: "Your Client ID" and "Your Client Secret", both containing masked text. To the right of each field is a copy icon. At the bottom left of the dialog is a button labeled "DOWNLOAD JSON" with a download icon. At the bottom right is an "OK" button. Red boxes highlight the copy icons for the Client ID and Client Secret, and the "DOWNLOAD JSON" button.

Once you have “Your Client ID” and “Your Client Secret”, click “OK”.

The screenshot shows the Google Cloud console interface. At the top, there is a blue header with the Google Cloud logo, a user profile 'My O2Popper', and a search bar. Below the header, the 'APIs & Services' section is active, with a sub-tab for 'Credentials'. A modal dialog titled 'OAuth client created' is centered on the screen. The dialog contains the following text: 'The client ID and secret can always be accessed from Credentials in APIs & Services'. Below this is an information box stating 'OAuth access is restricted to the [test users](#) listed on your [OAuth consent screen](#)'. Two input fields are shown: 'Your Client ID' and 'Your Client Secret', both containing masked text and a copy icon. At the bottom of the dialog is a 'DOWNLOAD JSON' button with a download icon. In the bottom right corner of the dialog, an 'OK' button is highlighted with a red square.

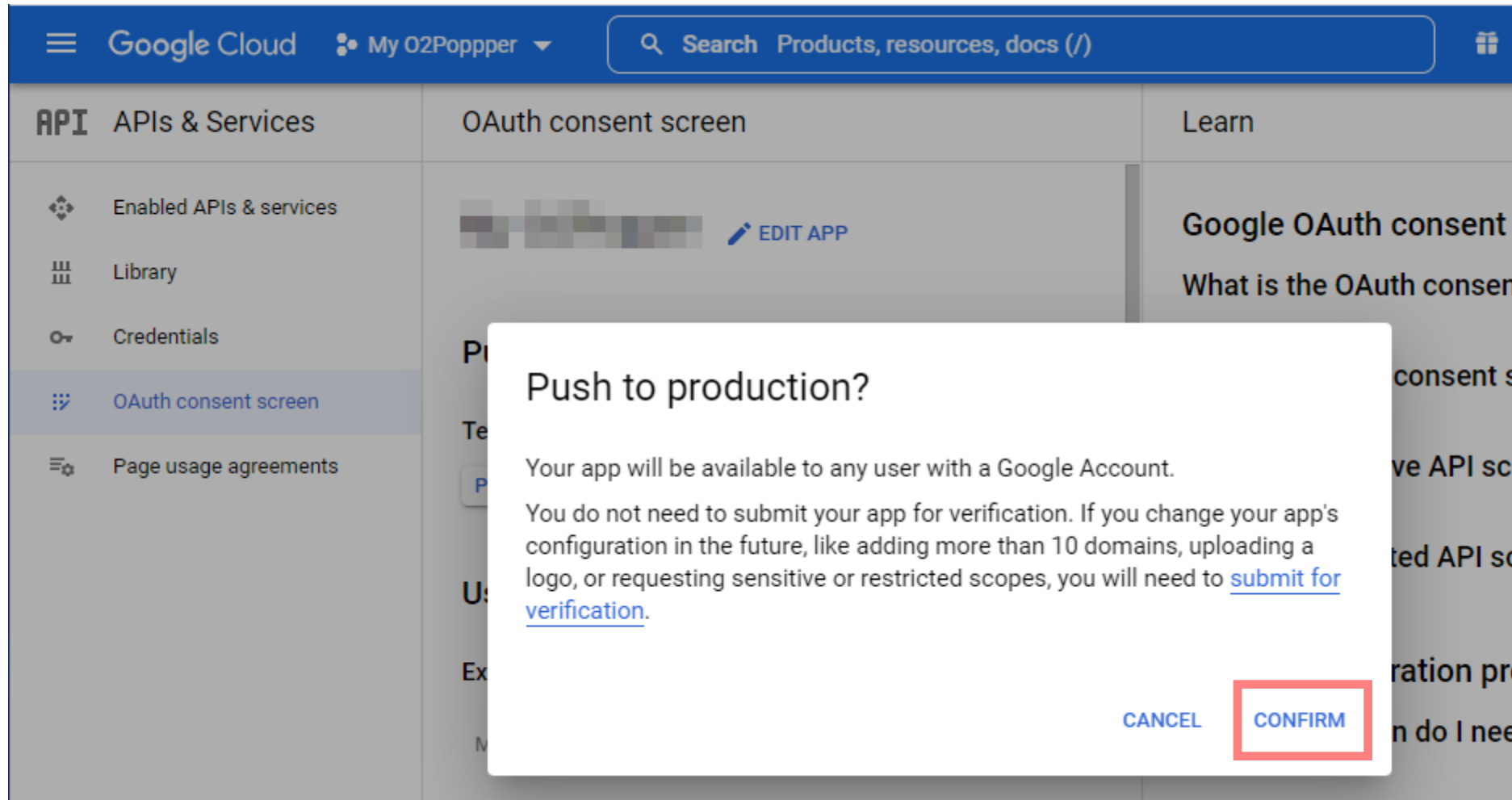
Click “OAuth consent screen” on the left side of the screen.

The screenshot shows the Google Cloud console interface. At the top, there is a blue header with the Google Cloud logo, the account name 'My O2Popper', a search bar, and a gift icon. Below the header, the left sidebar is titled 'APIs & Services' and contains several menu items: 'Enabled APIs & services', 'Library', 'Credentials', 'OAuth consent screen', and 'Page usage agreements'. The 'OAuth consent screen' item is highlighted with a red rectangular box. The main content area is titled 'Credentials' and includes a '+ CREATE CREDENTIALS' button and a 'DELETE' button. Below this, there is a section for 'API Keys' with a table header containing 'Name', 'Creation date', and 'Restrictions'. The table is currently empty, displaying 'No API keys to display'. Below the API Keys section is a section for 'OAuth 2.0 Client IDs' with a table header containing 'Name', 'Creation date', 'Type', and 'Client ID'. One client ID is listed with the name 'My O2Popper' and the type 'Desktop'.

Click “PUBLISH APP” under “Publishing status”.

The screenshot shows the Google Cloud console interface. At the top, there is a blue header with the Google Cloud logo, the account name 'My O2Popper', and a search bar. Below the header, the left sidebar is titled 'API APIs & Services' and contains a list of navigation items: 'Enabled APIs & services', 'Library', 'Credentials', 'OAuth consent screen' (which is highlighted), and 'Page usage agreements'. The main content area is titled 'OAuth consent screen' and displays a blurred application icon with an 'EDIT APP' button. Below this, the 'Publishing status' section is visible, featuring a 'Testing' sub-section with a 'PUBLISH APP' button highlighted by a red rectangular box. Further down, the 'User type' section shows 'External' as the current setting, with a 'MAKE INTERNAL' button below it.

Click "CONFIRM" in "Push to production?" dialog.



It is completed when “Publishing status” becomes “In production”.

The screenshot shows the Google Cloud console interface. At the top, there is a blue header with the Google Cloud logo, the account name "My O2Popper", and a search bar. Below the header, the left sidebar is titled "APIs & Services" and contains several menu items: "Enabled APIs & services", "Library", "Credentials", "OAuth consent screen" (which is highlighted), and "Page usage agreements". The main content area is titled "OAuth consent screen" and displays a blurred app icon with an "EDIT APP" button. Below this, the "Verification Status" section indicates "Verification not required" and provides a warning: "Your consent screen is being shown, but your app has not been reviewed so your users may not see all of your information, and you will not be able to request certain OAuth scopes. [Learn more](#)". At the bottom of this section, the "Publishing status" is shown as "In production", which is highlighted with a red rectangular box. A "BACK TO TESTING" button is located below the publishing status.