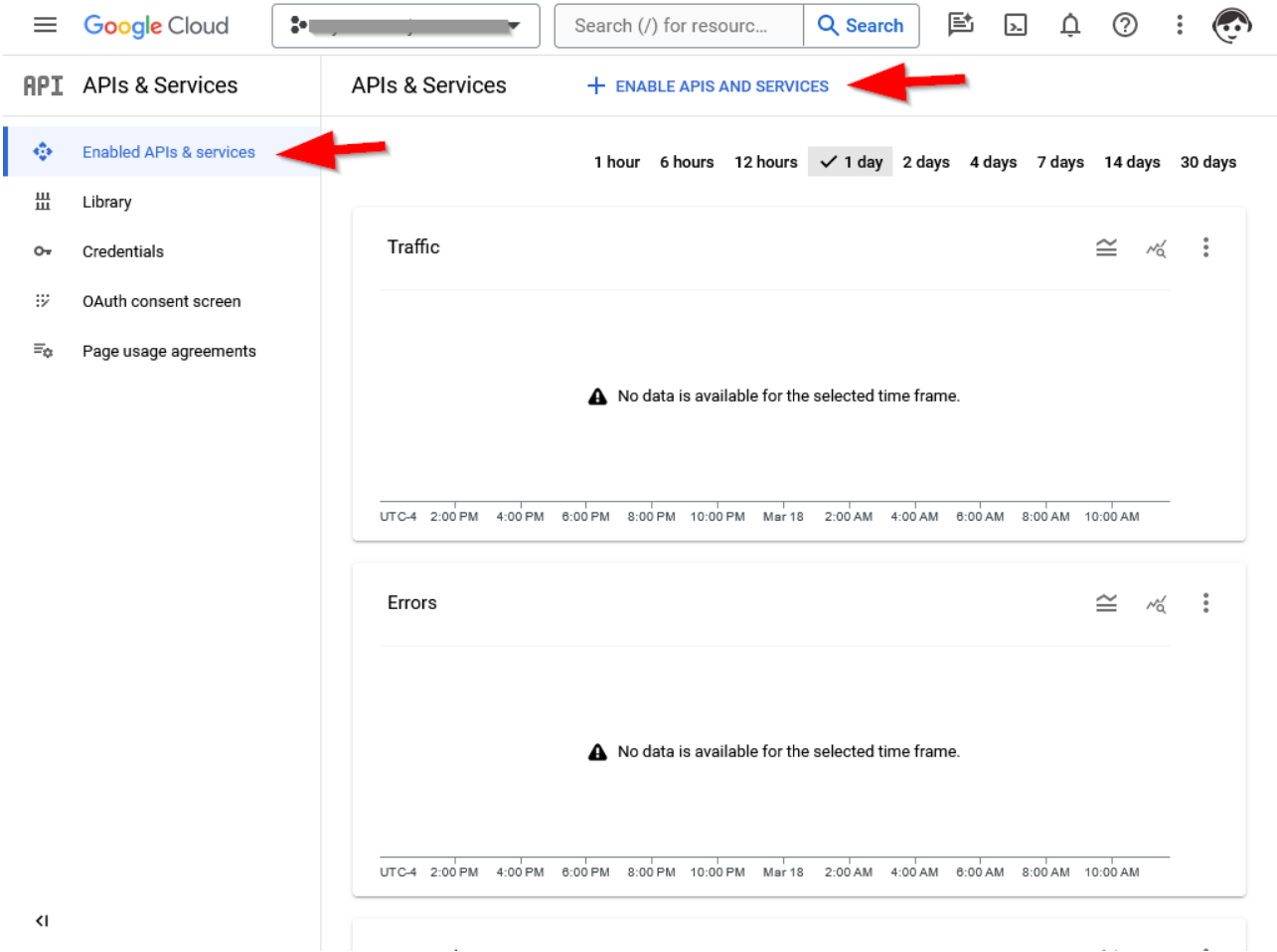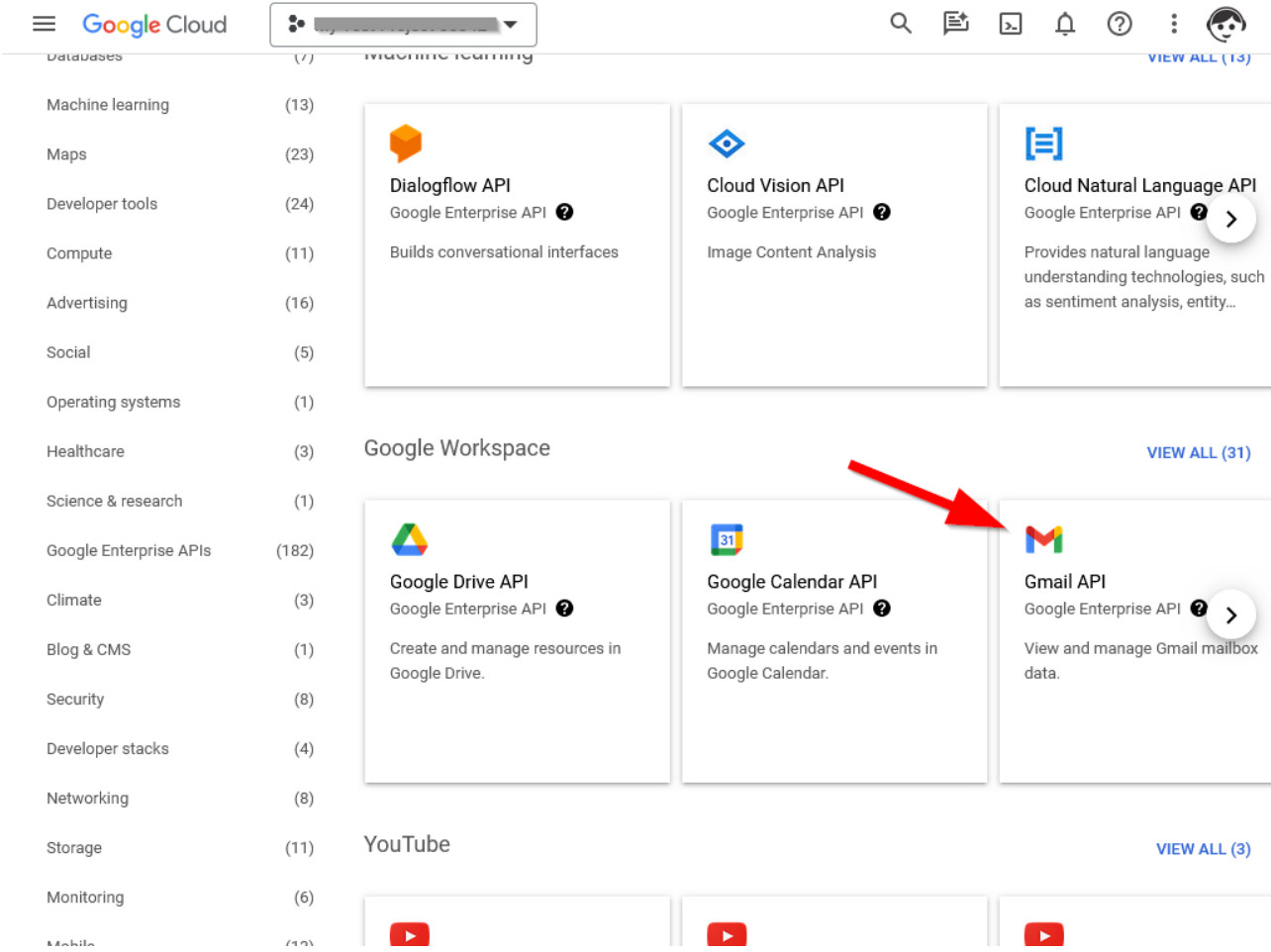# Gmail Skill

This skill allows the authenticated user to perform simple tasks on his/her Google Gmail account directly from the VertexGraph chat prompt.

API Permissions Setup

- Step 1: Go to the Google Cloud Console at https://console.cloud.google.com/apis/dashboard

- Step 2: Sign in with the account that you want to expose to the skill

- Step 3: On the left-side navigation, click on the "Enabled APIs & Services"

- Step 4: Enable the Gmail API

- Step 5: On the left side navigation. Click on Credentials. Create a new OAuth 2.0 Client ID

- Step 6: On the OAuth 2.0 Client ID details page, under Authorized JavaScript origins, add the following:

https://api.vertexgraph.ai

https://api.vertexgraph.com

https://vertexgraph.ai

https://vertexgraph.com

https://accounts.google.com

Under the Authorized redirect URIs, add the following:

https://api.vertexgraph.com/adminapi/assets/oauthcode

https://accounts.google.com/o/oauth2/token

https://accounts.google.com/signin/oauth

https://accounts.google.com/o/oauth2/auth

https://localhost/gmail/oauth/token (only apply to local setup, public url is different)

https://localhost/gmail/oauth/auth (only apply to local setup, public url is different)

- Step 7: After the URIs are added, navigate to OAuth consent screen on the left side navigation and create the consent screen (internal if you are using organization account, external if you are using a general testing account)

- Step 8: Fill in app name, user suuport email (your test email), developer contact information as you see fit. For Authorized domains, add the following domains: vertexgraph.ai, vertexgraph.com, and google.com. Then pressed Save and Continue.

≡ **Google** Cloud   [▪•▬▬▬▬▬▬▬] ▾

API   APIs & Services

◈ Enabled APIs & services

⣿ Library

⊶ Credentials

⠿ OAuth consent screen

≡₀ Page usage agreements

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

App name *
[▬▬▬▬▬▬]

The name of the app asking for consent

User support email *
[▬▬▬▬▬▬▬▬▬▬]   ▾

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 ⧉

Logo file to upload   **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.

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.

Authorized domain 1 *
vertexgraph.ai

Authorized domain 2 *
vertexgraph.com

Authorized domain 3 *
google.com

Authorized domain 4 *
[▬▬▬▬▬▬]

+ ADD DOMAIN

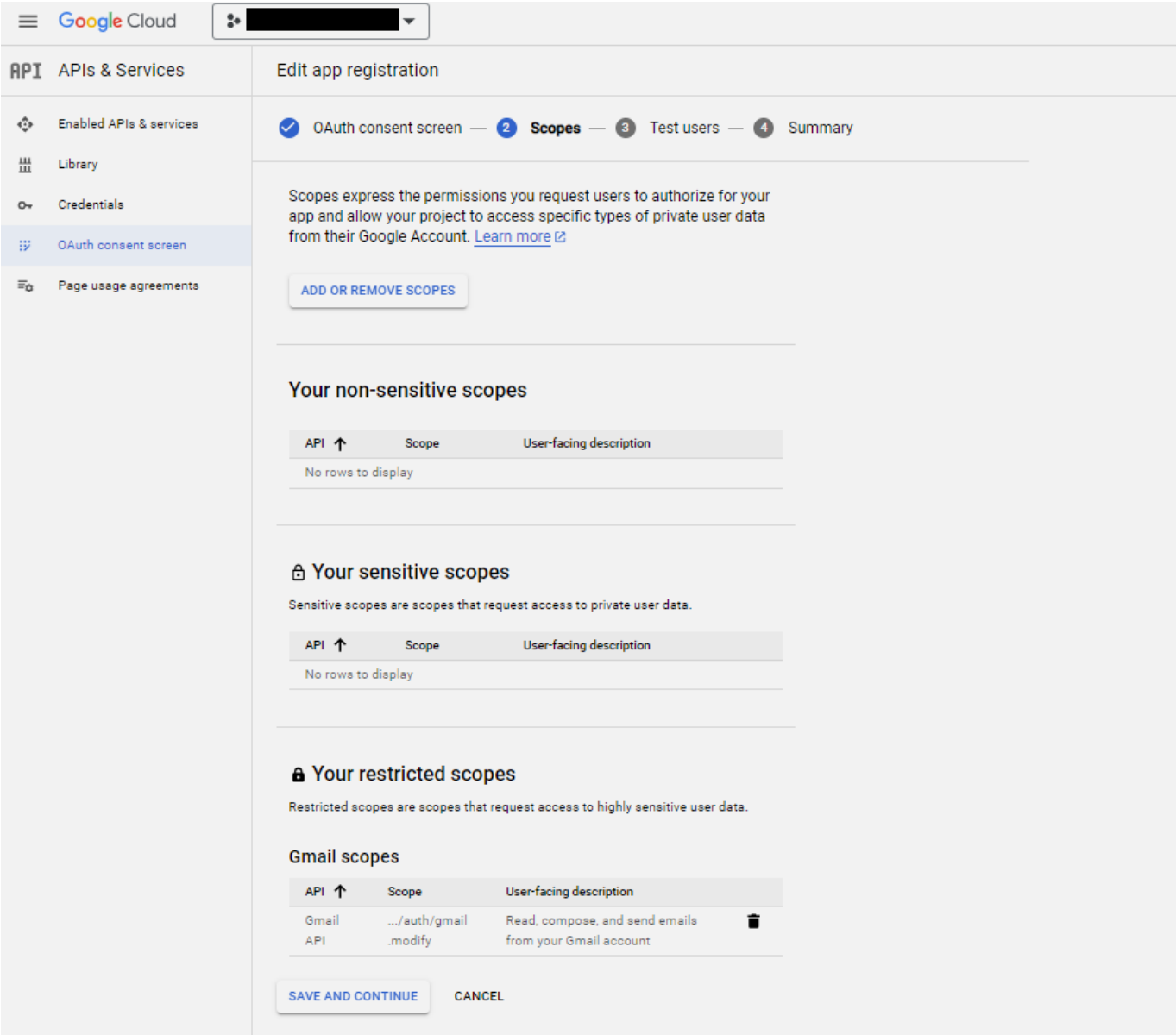## Developer contact information

Email addresses *
[▬▬▬▬▬▬▬▬] ⊗

These email addresses are for Google to notify you about any changes to your project.
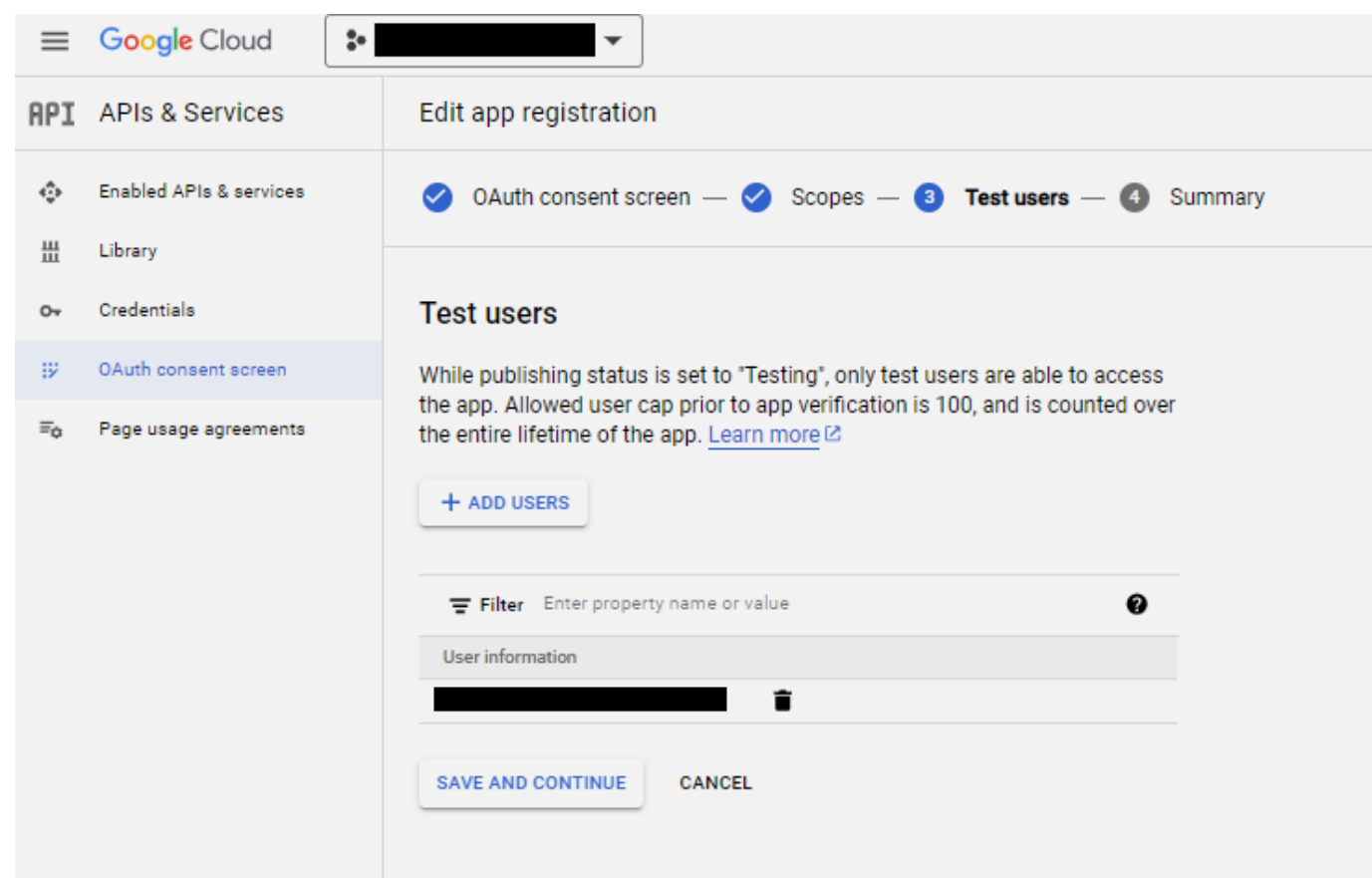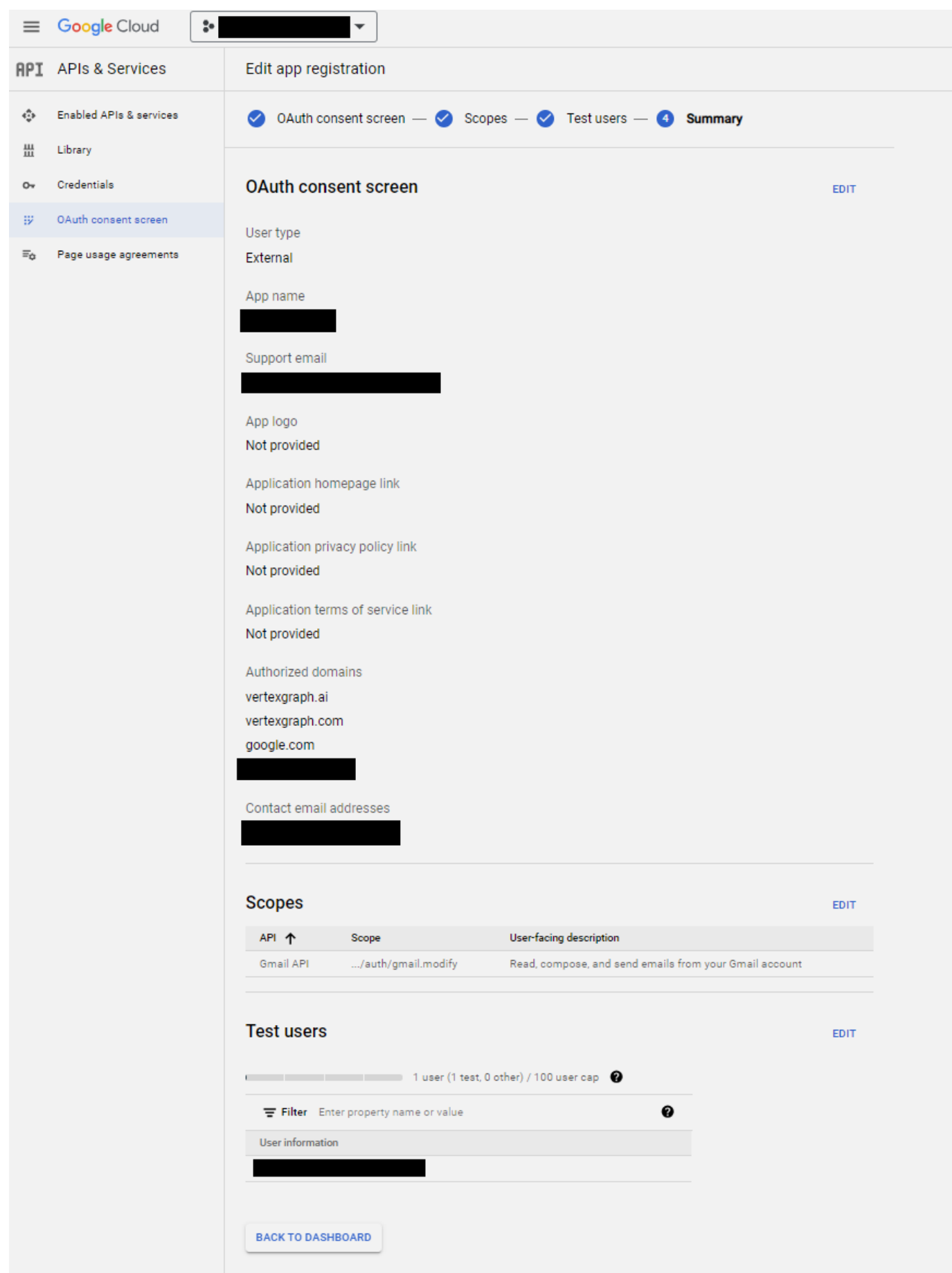
SAVE AND CONTINUE   CANCEL

- Step 9: On Scope, click Add or Remove Scopes, then add necessary scopes (*gmail.modify*) to the scope list. Then click Save and Continue.

- Step 10: On Test users, add your current email in there and click Save and Continue.

- Step 11: On Summary, check all your previous options and click Back to Dashboard.

Test Prompts

Please refer to the root README (https://github.com/vertexgraphinc/aiskills/blob/main/DotNet/README.md) for instructions on how to host the custom skill and install it on the VertexGraph.ai website. Once the Google

Gmail Skill is properly installed, you can try the following example prompts on the AI Assistant:

- "How many emails have I received from support in the last 2 days?"
- "Show me the full body of the last email from myfriend@example.com"
- "Send an email to myself@example.com with subject 'hello world' and body 'this is a test email from the gmail skill'"
- "Add a label called 'hello there' to the email containing the subject 'hello world'"
- "Search for emails containing the label 'hello there'"
- "Reply to the email from myfriend@example.com from today. Tell him that I approve the message"
- "Show me a summary of the last 5 emails from support@example.com"
- ...and many more