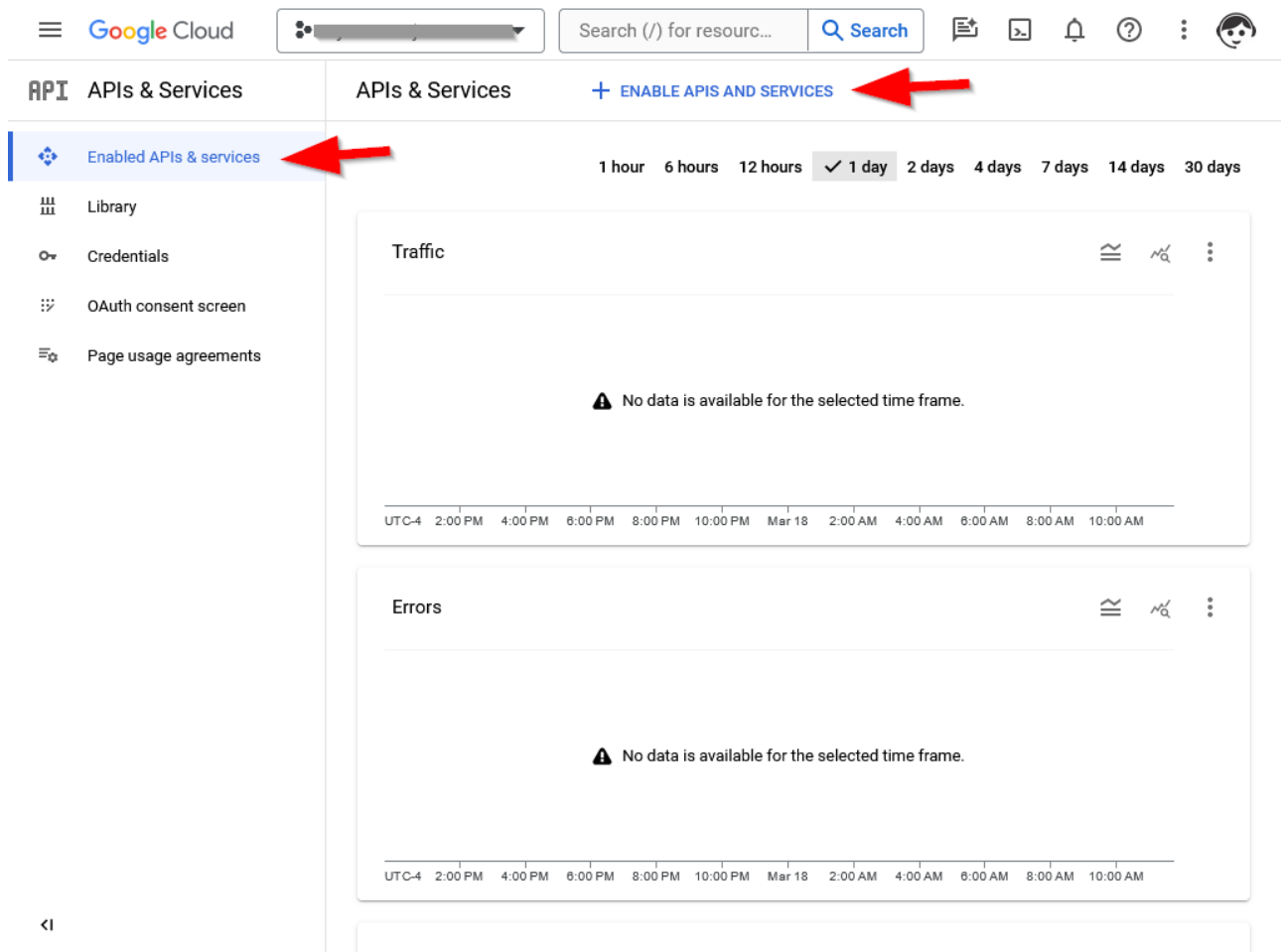# Google Calendar Skill

This skill allows the authenticated user to perform simple tasks on his/her Google Calendar 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 Calendar 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 suusupport 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   Edit app registration

◈ Enabled APIs & services   ① **OAuth consent screen** ── ② Scopes ── ③ Test users ── ④ Summary

⚏ Library

⊶ Credentials   ## App information

⊞ OAuth consent screen   This shows in the consent screen, and helps end users know who you are and contact
                                 you
⇶ Page usage agreements
                                 ┌─ 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 (*calendar*) to the restricted scopes list. Then click Save and Continue.
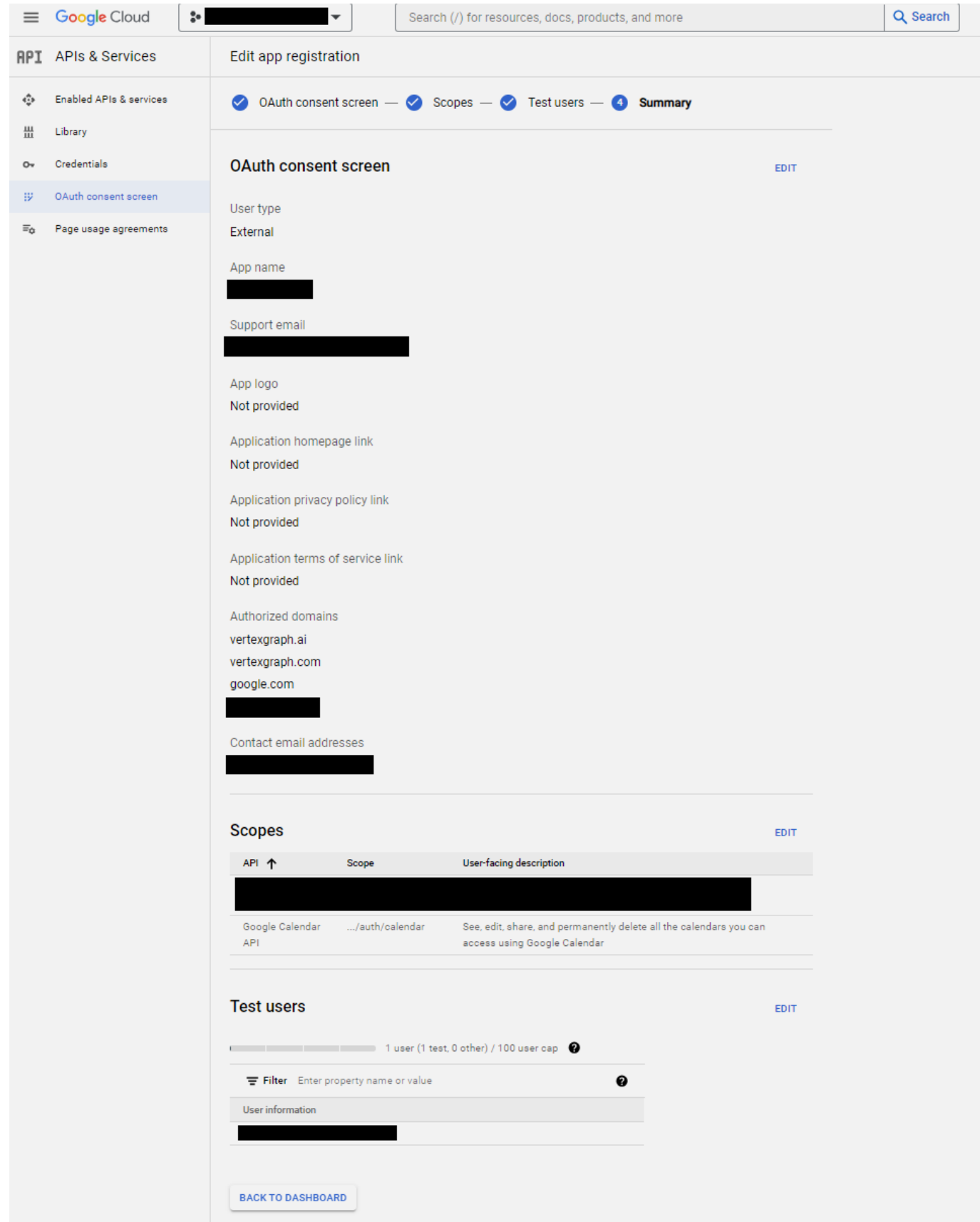

- Step 10: On Test users, add your current email in there and click Save and Continue.
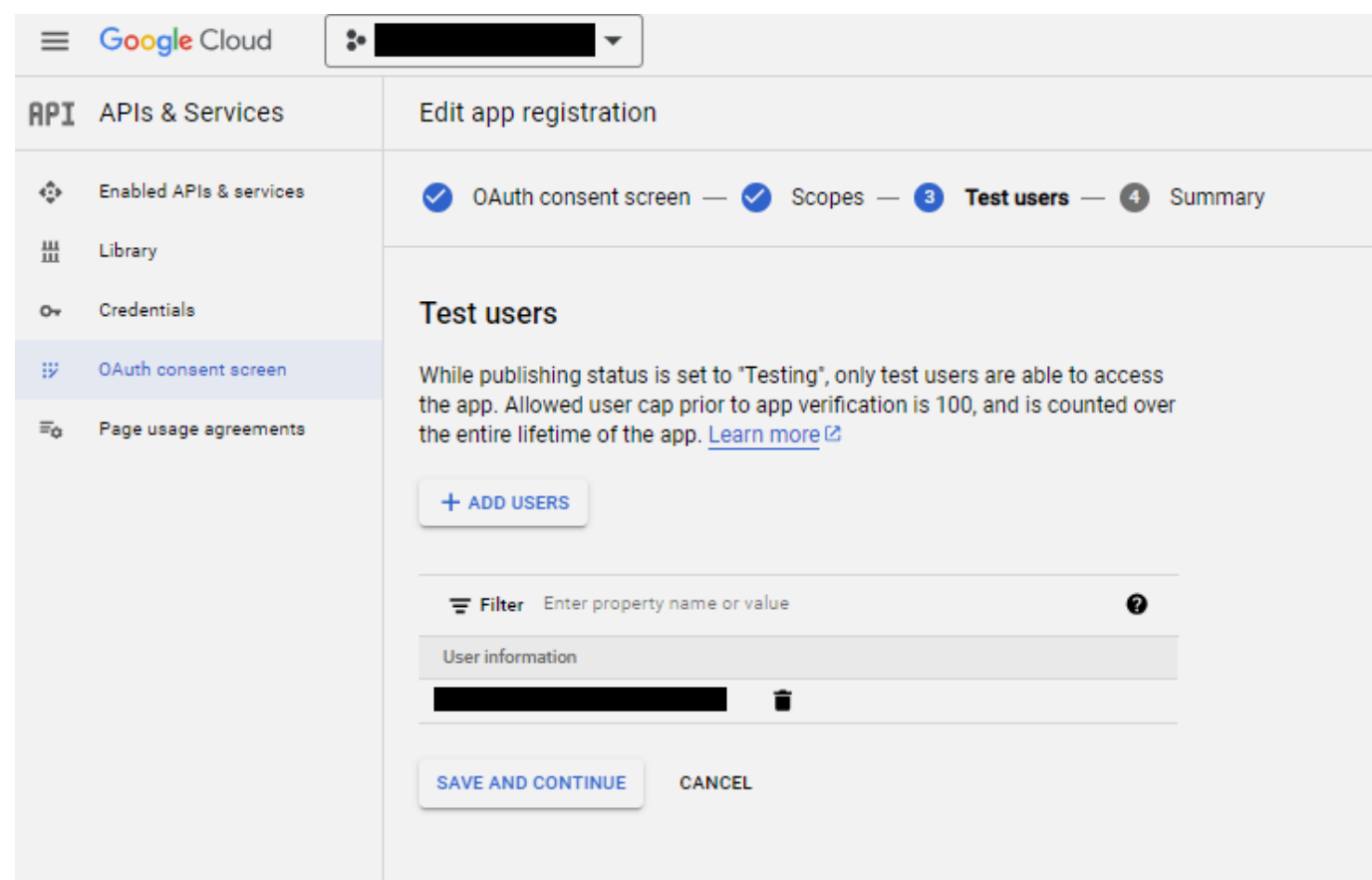
- Step 11: On Summary, check all your previous options and click Back to Dashboard.

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

- "Give me all events happening within today"

- "Create an event called 'testing event' starting at 6pm and ending at 8pm today and add example@example.com as an attendee
- "Remove all events from my calendar within next week"
- "Get instances of recurring events within the last 2 days"
- "Remove my meeting event with example@example.com"
- "Remove John Doe from the list of attendees of the event 'event example'"
- "Create a new calendar event"