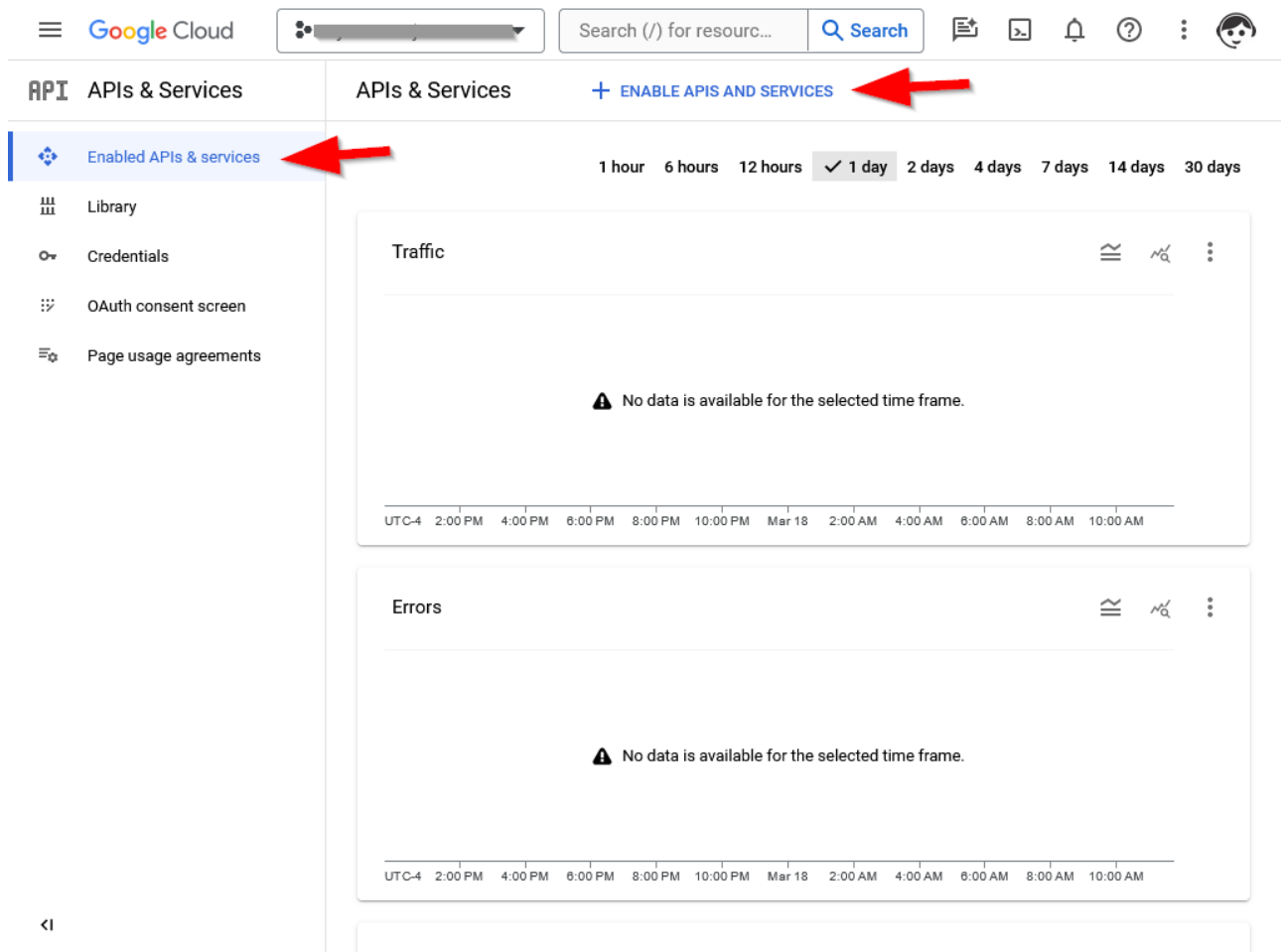


Google Calendar Skill

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

Google Cloud

My Test Project 55342

Search

Help

Feedback

Sign out

Help

More

Profile

Developer tools (24)

Compute (11)

Advertising (16)

Social (5)

Operating systems (1)

Healthcare (3)

Science & research (1)

Google Enterprise APIs (182)

Climate (3)

Blog & CMS (1)

Security (8)

Developer stacks (4)

Networking (8)

Storage (11)

Monitoring (6)

Mobile (13)

YouTube (3)

Google Workspace (31)

Dialogflow API

Google Enterprise API

Builds conversational interfaces

Cloud Vision API

Google Enterprise API

Image Content Analysis

Cloud Natural Language API

Google Enterprise API

Provides natural language understanding technologies, such as sentiment analysis, entity...

Google Workspace

VIEW ALL (31)

Google Drive API

Google Enterprise API

Create and manage resources in Google Drive.

Google Calendar API

Google Enterprise API

Manage calendars and events in Google Calendar.

Gmail API

Google Enterprise API

View and manage Gmail mailbox data.

YouTube

VIEW ALL (3)

YouTube Data API v3

Google

The YouTube Data API v3 is an API

YouTube Analytics API

Google

Retrieves your YouTube Analytics

YouTube Reporting API

Google

Schedules reporting jobs

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

The screenshot shows the Google Cloud console interface. On the left, the 'APIs & Services' menu is visible, with 'Credentials' selected and highlighted by a red arrow. The main content area is titled 'Credentials' and includes links for '+ CREATE CREDENTIALS', 'DELETE', and 'RESTORE DELETED CREDENTIALS'. Below this, there are three sections: 'API Keys' (showing 'No API keys to display'), 'OAuth 2.0 Client IDs' (showing one client ID 'My Gmail App' with a red arrow pointing to the 'Actions' column), and 'Service Accounts' (showing 'No service accounts to display').

- 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)

Google Cloud

Search (/) for resource... Search

APIs & Services

Enabled APIs & services

Library

Credentials

OAuth consent screen

Page usage agreements

Client ID for Web application DELETE

my-smart-app

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.

The domains of the URIs you add below will be automatically added to your [OAuth consent screen](#) as [authorized domains](#).

Authorized JavaScript origins

For use with requests from a browser

URIs 1 * [https://api.vertexgraph.com](#)

URIs 2 *

+ ADD URI

Authorized redirect URIs

For use with requests from a web server

URIs 1 * [https://api.vertexgraph.com/adminapi/assets/oauthcode](#)

+ ADD URI

- 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)

Google Cloud

Search (/) for resources, docs, products, and more Search

APIs & Services

Enabled APIs & services

Library

Credentials

OAuth consent screen

Page usage agreements

OAuth consent screen

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

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

- Step 8: Fill in app name, user support 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

APIs & Services

Enabled APIs & services

Library

Credentials

OAuth consent screen

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

5 / 9

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

Google Cloud

Search (/) for resources, docs, products, and more

Search

API APIs & Services

Enabled APIs & services

Library

Credentials

OAuth consent screen

Page usage agreements

Edit app registration

1 OAuth consent screen

2 **Scopes**

3 Test users

4 Summary

Scopes express the permissions you request users to authorize 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		

Your sensitive scopes

Sensitive scopes are scopes that request access to private user data.

API	Scope	User-facing description	
Google Calendar API	../auth/calendar	See, edit, share, and permanently delete all the calendars you can access using Google Calendar	

Your restricted scopes

Restricted scopes are scopes that request access to highly sensitive user data.

Gmail scopes

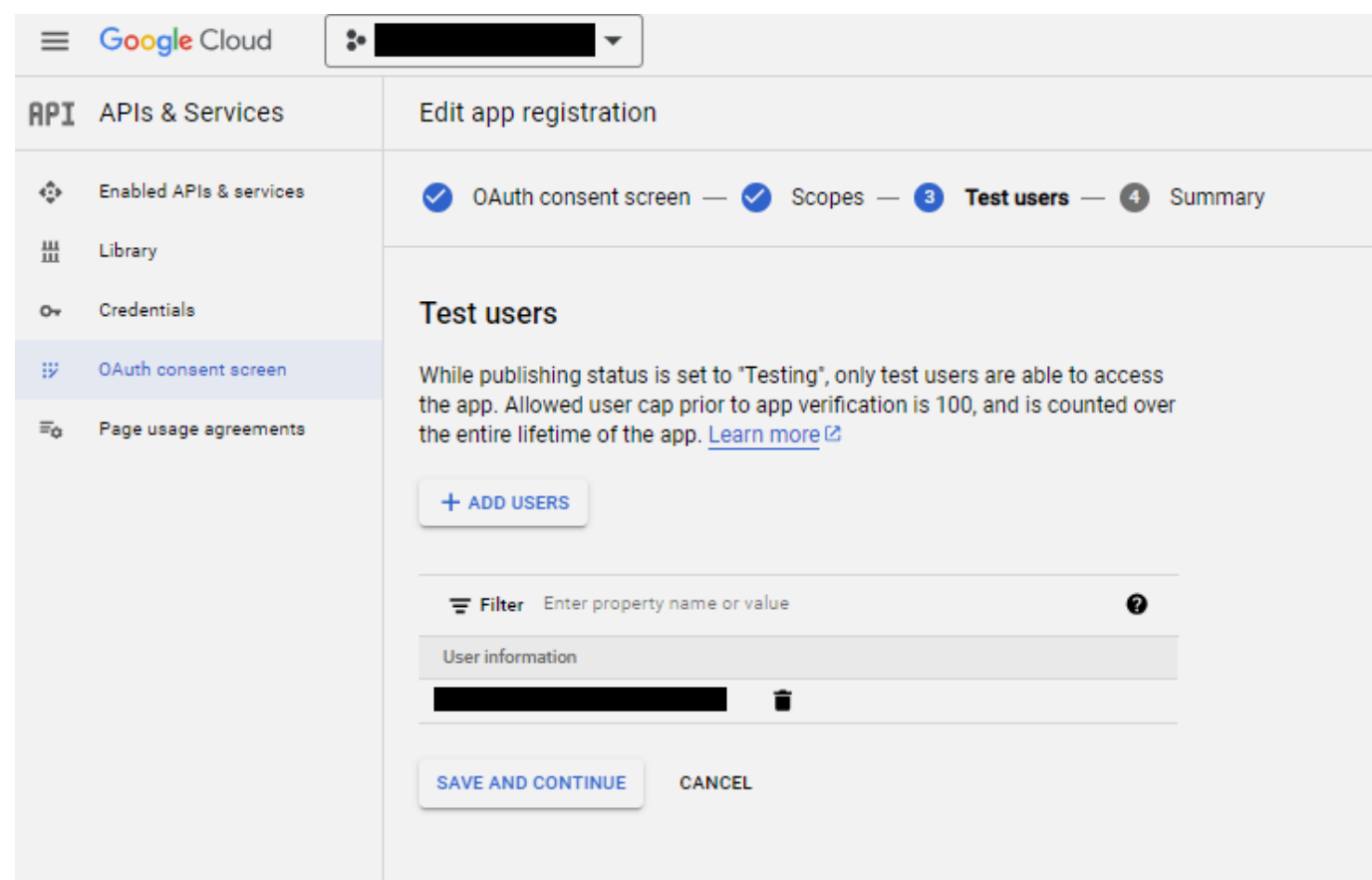
API	Scope	User-facing description	

SAVE AND CONTINUE

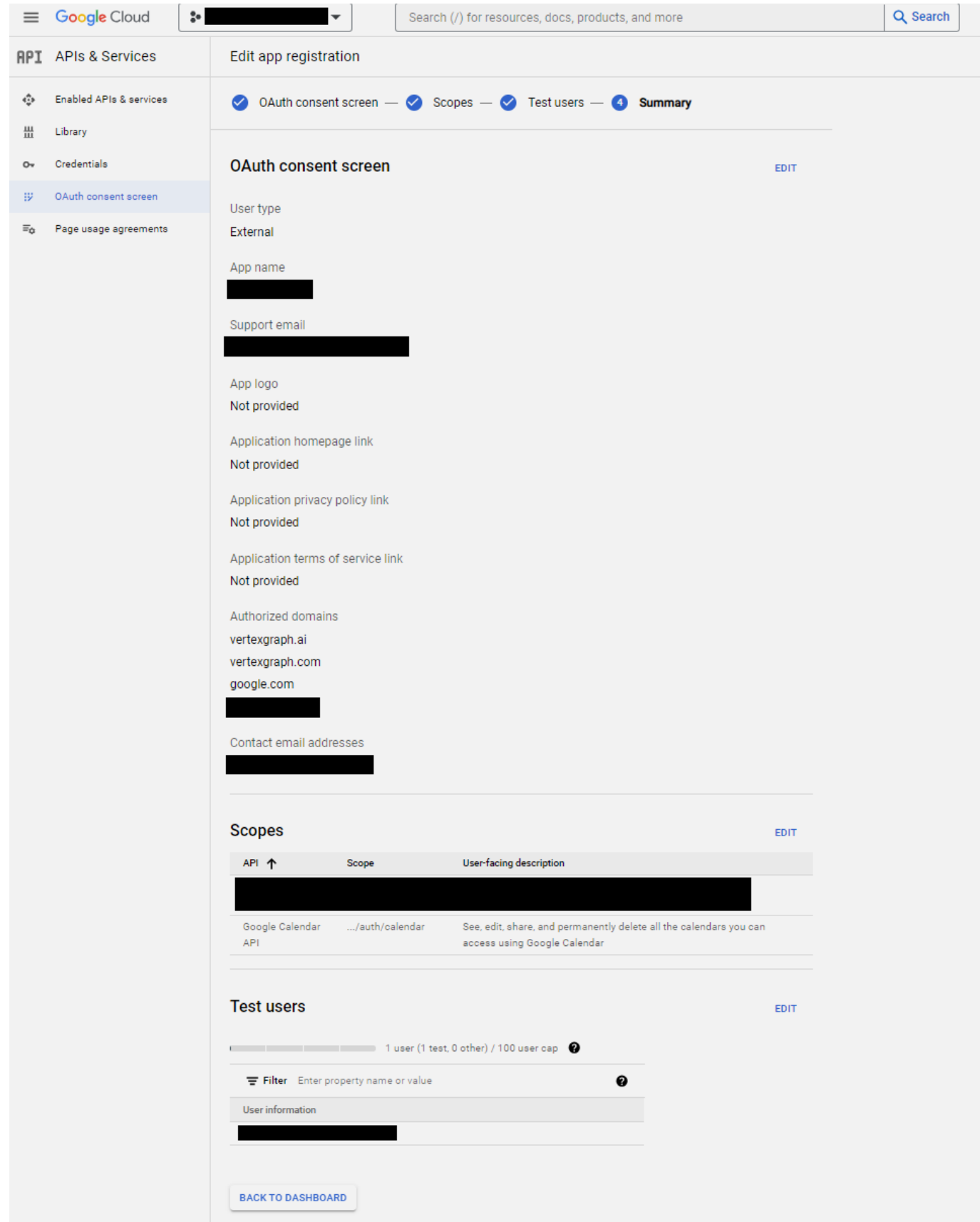
CANCEL

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

6 / 9



- 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"