PRESENTATION ABOUT:
«GOOGLE CALENDAR API»

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Overview

The Google Calendar API is a RESTful API that can be accessed through explicit HTTP calls or via the Google Client Libraries. The API exposes most of the features available in the Google Calendar Web interface.

All use of the Calendar API is free of charge. Exceeding the quota request limits (1 000 000 per day) doesn't incur extra charges and your account is not billed.

Connect to your app

1. First of all you need to create a Google account, then sign up in Google Cloud Console and create a new project.
2. Secondly, you should go to Navigation Menu(top right corner) -> APIs & Services -> Library
3. Now enter Google Calendar API to search bar, click on result and then click Enable button.

   Congratulations, you have just connected Google Calendar API to your project

Google Calendar API

Google Enterprise API

Integrate with Google Calendar using the Calendar API.

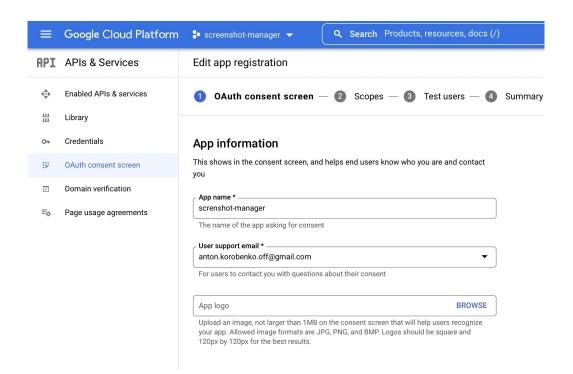MANAGE   TRY THIS API ☑   ✔ API Enabled

More API settings

Now you need to generate credentials for your project.

1. Go to Navigation Menu -> APIs & Services-> OAuth consent screen. Here you need to specify all project setting, future abilities and restrictions. Fill in fields with '*' and press SAVE AND CONTINUE
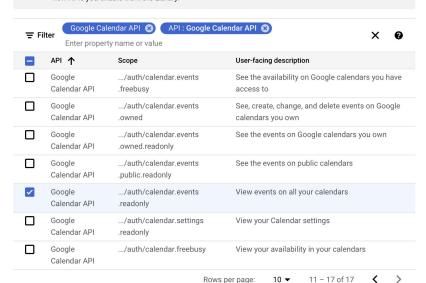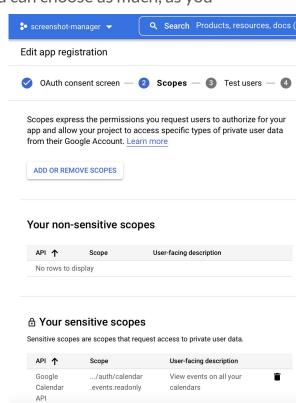
More API settings

2. On this page you should select scopes for your project with specific API, in my case I choose only 1, but you can choose as much, as you wish. Click SAVE AND CONTINUE.

X Update selected scopes

ⓘ Only scopes for enabled APIs are listed below. To add a missing scope to this screen, find and enable the API in the Google API Library or use the Pasted Scopes text box below. Refresh the page to see any new APIs you enable from the Library.
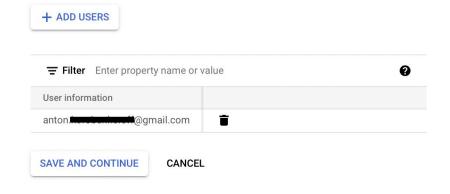
Filter [Google Calendar API ⊗] [API : Google Calendar API ⊗]   X ?

Enter property name or value

	API ↑	Scope	User-facing description
☐	Google Calendar API	.../auth/calendar.events.freebusy	See the availability on Google calendars you have access to
☐	Google Calendar API	.../auth/calendar.events.owned	See, create, change, and delete events on Google calendars you own
☐	Google Calendar API	.../auth/calendar.events.owned.readonly	See the events on Google calendars you own
☐	Google Calendar API	.../auth/calendar.events.public.readonly	See the events on public calendars
☑	Google Calendar API	.../auth/calendar.events.readonly	View events on all your calendars
☐	Google Calendar API	.../auth/calendar.settings.readonly	View your Calendar settings
☐	Google Calendar API	.../auth/calendar.freebusy	View your availability in your calendars

Rows per page: 10 ▾   11 – 17 of 17   ‹ ›

⁙ screenshot-manager ▾   🔍 Search Products, resources, docs (/

Edit app registration

✓ OAuth consent screen —— ② Scopes —— ③ Test users —— ④

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.events.readonly	View events on all your calendars	🗑

More API settings

3. Enter emails of test users. **NOTE**: only test users will be able to use OAuth, other users will have permission to share data with your project only after Google will verify it as "SAFE".

4. Now you can see summary of your project, click BACK TO DASHBOARD if everything is correct.

Edit app registration

✓ OAuth consent screen — ✓ Scopes — ③ **Test users** — ④ Summary
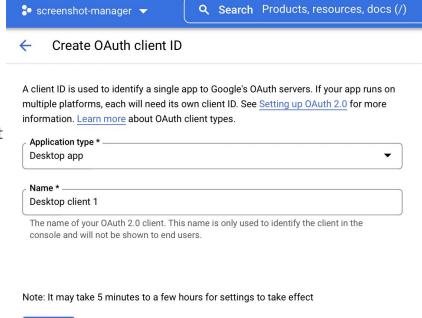
Test users

While publishing status is set to "Testing", only test users are able to access the app. Allowed user cap prior to app verification is 100, and is counted over the entire lifetime of the app. Learn more

+ ADD USERS

≡ Filter   Enter property name or value   ?

User information	
anton.@gmail.com	🗑

SAVE AND CONTINUE   CANCEL

Creating credentials

1. Navigation Menu -> APIs & Services -> Credentials
2. Click CREATE CREDENTIALS -> OAuth client ID
3. Select application type and change name if you want
4. Click CREATE
5. In new window click DOWNLOAD JSON

Now you only need to path data from those .json file to your app while connecting to Google API

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← 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 5 minutes to a few hours for settings to take effect

CREATE   CANCEL

Thank you!