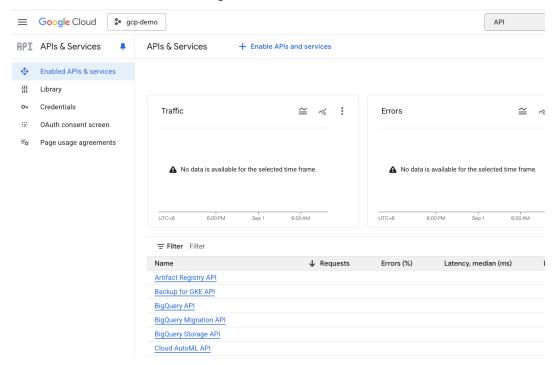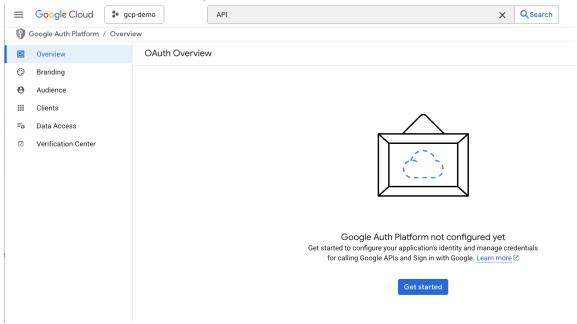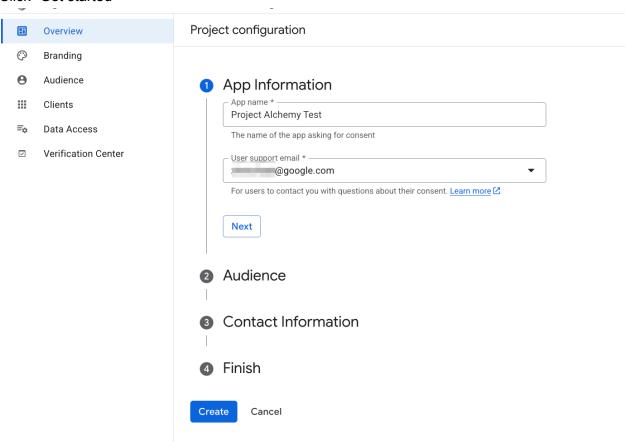# How to upload video to youtube

Config OAuth 2.0

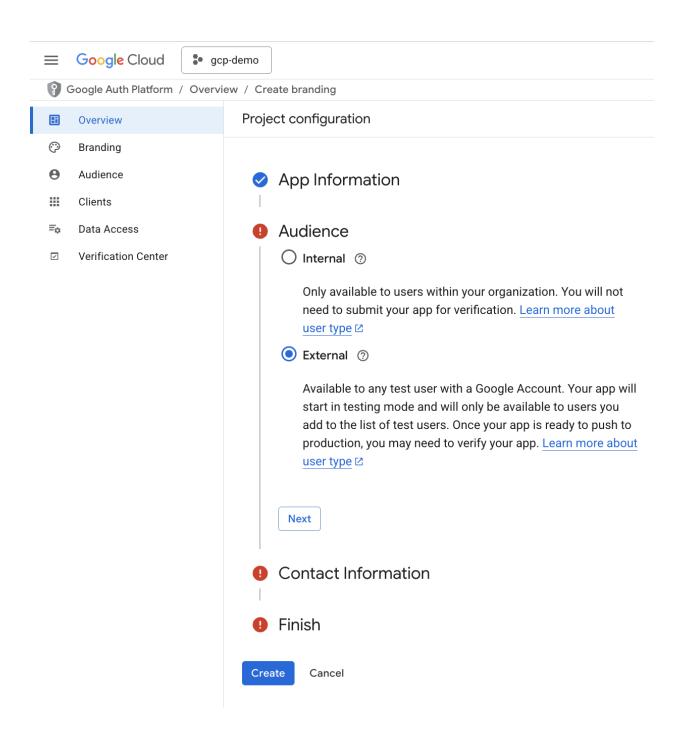Goto "APIs & Services" in management console:
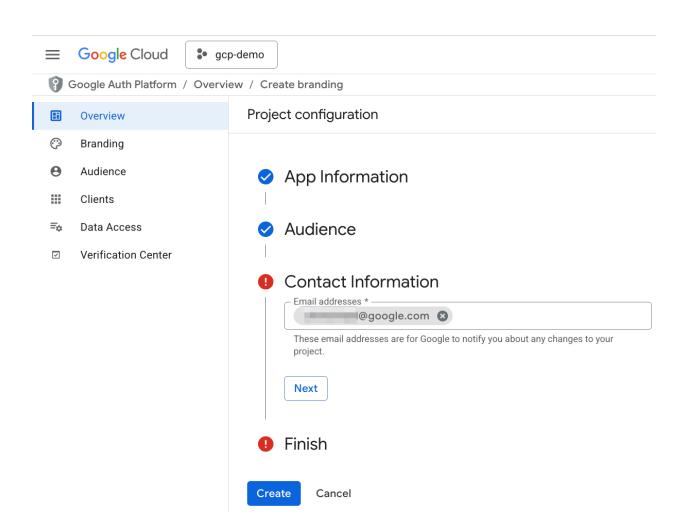
Click "OAuth consent screen", goto "OAuth Overview"

Click "Get started"

Overview

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Clients

Data Access

Verification Center

Project configuration

1 App Information

App name *
Project Alchemy Test

The name of the app asking for consent

User support email *
██████@google.com

For users to contact you with questions about their consent. Learn more ⧉

Next

2 Audience

3 Contact Information

4 Finish

Create   Cancel

Google Auth Platform / Overview / Create branding

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- Branding
- Audience
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- Data Access
- Verification Center

Project configuration

✓ **App Information**

⊗ **Audience**

○ 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 ↗

Next

⊗ **Contact Information**

⊗ **Finish**

Create   Cancel

Google Auth Platform / Overview / Create branding

Overview

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Project configuration

✓ **App Information**

✓ **Audience**

⊘ **Contact Information**

Email addresses *

[▓▓▓▓▓▓▓]@google.com ⊗

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

[Next]

⊘ **Finish**

[Create]   Cancel

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✓ App Information

✓ Audience

✓ Contact Information

⚠ Finish

☑ I agree to the Google API Services: User Data Policy. ↗
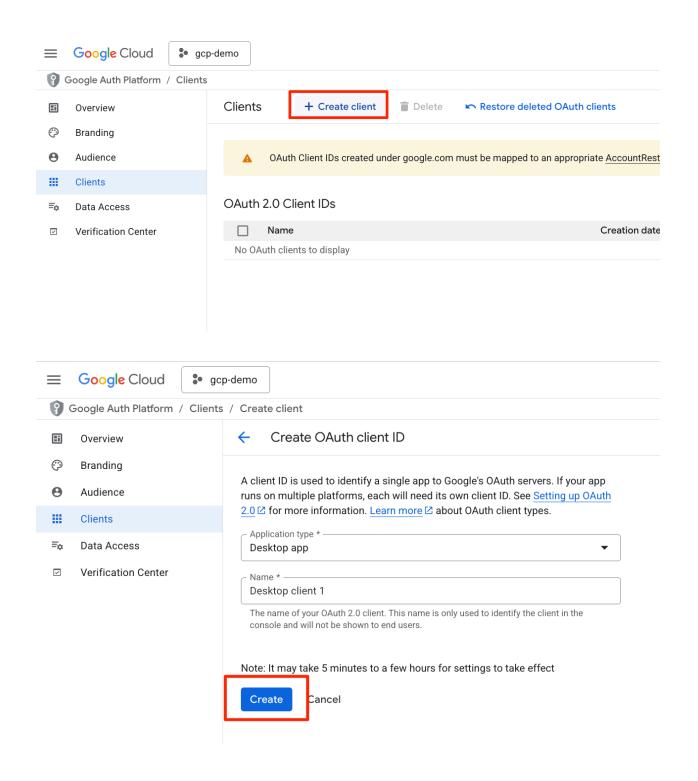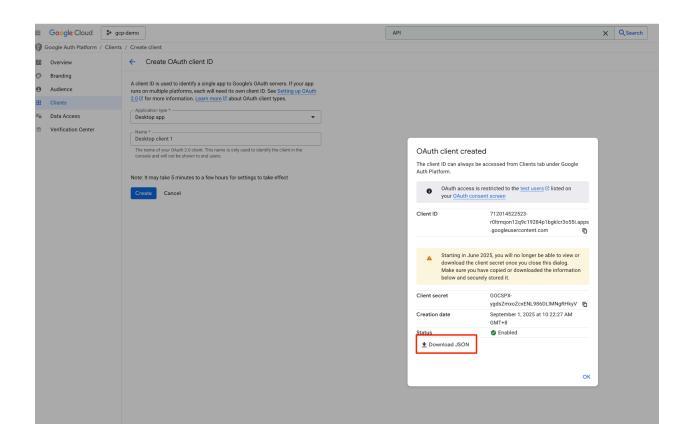
Continue

Create   Cancel

Click "Client" to add a client:

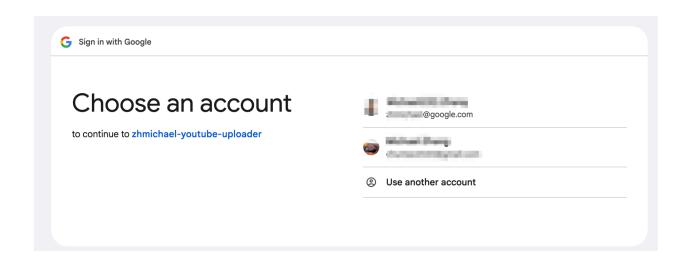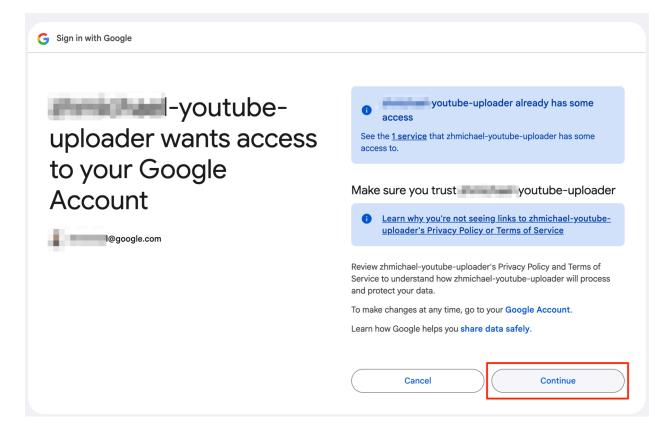Click Download JSON, save as client_secrets.json

Sample code

python upload.py --file="/Users/zhmichael/github/youtube/story.mp4" --title="Summer vacation in California" --description="Had fun surfing in Santa Cruz" --keywords="surfing,Santa Cruz" --category="22" --privacyStatus="private"

For the first call, will prompt an authentication flow for access right:

Sign in with Google

Choose an account

to continue to **zhmichael-youtube-uploader**

[blurred account] @google.com

[blurred account]

⊙ Use another account

Sign in with Google

[blurred]-youtube-uploader wants access to your Google Account

[blurred]@google.com

ℹ️ [blurred] youtube-uploader already has some access

See the **1 service** that zhmichael-youtube-uploader has some access to.

Make sure you trust [blurred] youtube-uploader

ℹ️ **Learn why you're not seeing links to zhmichael-youtube-uploader's Privacy Policy or Terms of Service**

Review zhmichael-youtube-uploader's Privacy Policy and Terms of Service to understand how zhmichael-youtube-uploader will process and protect your data.

To make changes at any time, go to your **Google Account**.

Learn how Google helps you **share data safely**.

Cancel   Continue

The authentication flow has completed. You may close this window.

The video file will be uploaded to youtube successfully:


```
zhmichael-macbookpro3:youtube zhmichael$ python upload.py --file="/Users/zhmichael/github/you
tube/story.mp4" --title="Summer vacation in California" --description="Had fun surfing in San
ta Cruz" --keywords="surfing,Santa Cruz" --category="22" --privacyStatus="private"
Please visit this URL to authorize this application: https://accounts.google.com/o/oauth2/aut
h?response_type=code&client_id=413417393622-umnqne51ar8fg15hj26jrhelp5tof4ig.apps.googleuserc
ontent.com&redirect_uri=http%3A%2F%2Flocalhost%3A55534%2F&scope=https%3A%2F%2Fwww.googleapis.
com%2Fauth%2Fyoutube.upload&state=RGTPWrN3Ao3IIObxHqtLBgbka0J7YM&access_type=offline
Uploading file...
 -> Uploaded video ID GhYJOWSvHBA - https://www.youtube.com/watch?v=GhYJOWSvHBA
```

Will find the video has been uploaded to youtube:

In this sample code, token.json will be created, later upload will reuse this credential, don't need authentication flow again:

Attention:

If your application is to C, you should store the content of token.json in database for each individual user.

Reference

[Manage OAuth Clients - Google Cloud Platform Console Help](#)
[为网络服务器应用使用OAuth 2.0 | Authorization](#)