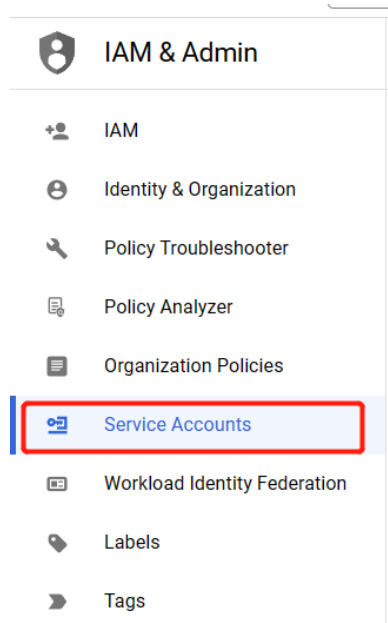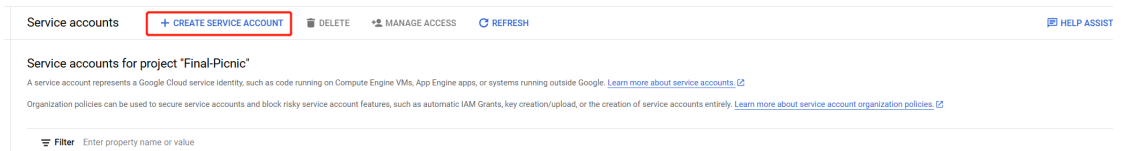# AI story reader tutorial

This tutorial is to teach user how to obtain the API key from google cloud console and use the user interface.

1. Obtain three API keys as json files from google cloud console
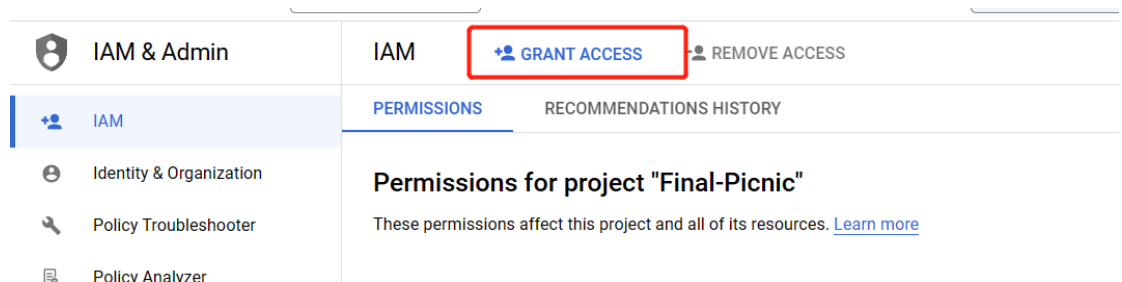   a) Go to IAM & admin

   b) create the service account under the tab service account in google cloud

   c) copy the service account email, click grant access under IAM tab

   d) paste the email to the "new principles", select the role as owner

Grant principals access to this resource and add roles to specify what actions the principals can take. Optionally, add conditions to grant access to principals only when a specific criteria is met. Learn more about IAM conditions ☑

Resource

⋮• Final-Picnic

Add principals

Principals are users, groups, domains, or service accounts. Learn more about principals in IAM ☑

New principals
```
codes-233@final-picnic-with-some-peanuts.iam.gserviceaccount.com  ⊗        ❓
```

Assign roles

Roles are composed of sets of permissions and determine what the principal can do with this resource. Learn more ☑

Role *
Owner   ▼

Full access to most Google Cloud resources. See the list of included permissions.

IAM condition (optional) ❓
+ ADD IAM CONDITION   🗑

➕ ADD ANOTHER ROLE

[SAVE]   [CANCEL]

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e) go back to service account tab, click on the account, click the key tab, generate key as json

DETAILS   PERMISSIONS   **KEYS**   METRICS   LOGS

+≡ IAM
⊖ Identity & Organization
🔧 Policy Troubleshooter
🖫 Policy Analyzer
🖿 Organization Policies
🗝 Service Accounts
🖭 Workload Identity Federation

Keys

⚠ Service account keys could pose a security risk if compromised. We recommend you avoid downloading service account

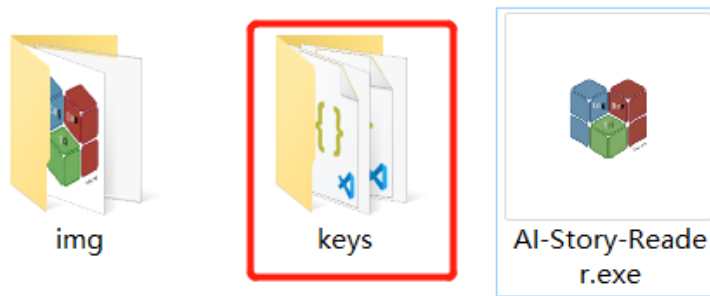Add a new key pair or upload a public key certificate from an existing key pair.

Block service account key creation using organization policies ☑.
Learn more about setting organization policies for service accounts ☑

ADD KEY ▼

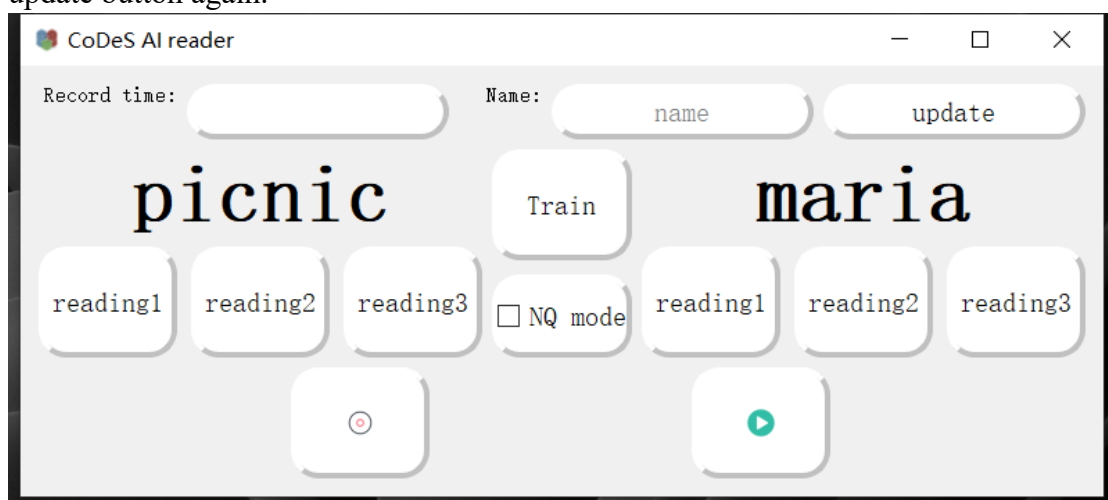2. The API keys file names must be exactly as:

{} maria_key.json
{} picnic_key.json
{} yilin_key.json

3. Save these keys in a folder called 'keys'. The name must be exactly same. Put the keys folder in the same directory with the executable file and img folder.

img   keys   AI-Story-Reader.exe

4. Now double click the executable file to start up the software.
5. Type in required record time in seconds on the top left, if you choose to not type any record time, the default will be 4 seconds. No matter what you input, the maximum is 10 seconds and minimum is 1 second.
6. Type the username. If you choose to not type anything, the recorded files will not show up a username.
7. After done above 2 instructions, hit update on the top right. The information you typed is updated into the software.
8. Then choose readings. For NQ mode, you must check the NQ mode check box before you hit any reading button. Hit the reading button then check the NQ mode will not let the program goes into NQ mode.
9. Bottom left red circle button is your record button. Once hit record, it will start recording for designated record time.
10. Bottom right green button is for continue, it automatically sends a 'page' to dialogflowCX.
11. If you want to start the reading over again, simply hit another or the same reading button again.
12. If you want to change the record time and name, simply retype them and hit the update button again.

13. Finally, the program will store all the audio file in the same directory as the executable file.

computer_voic
e_output

human_voice_in
put

img

keys

AI-Story-Reade
r.exe