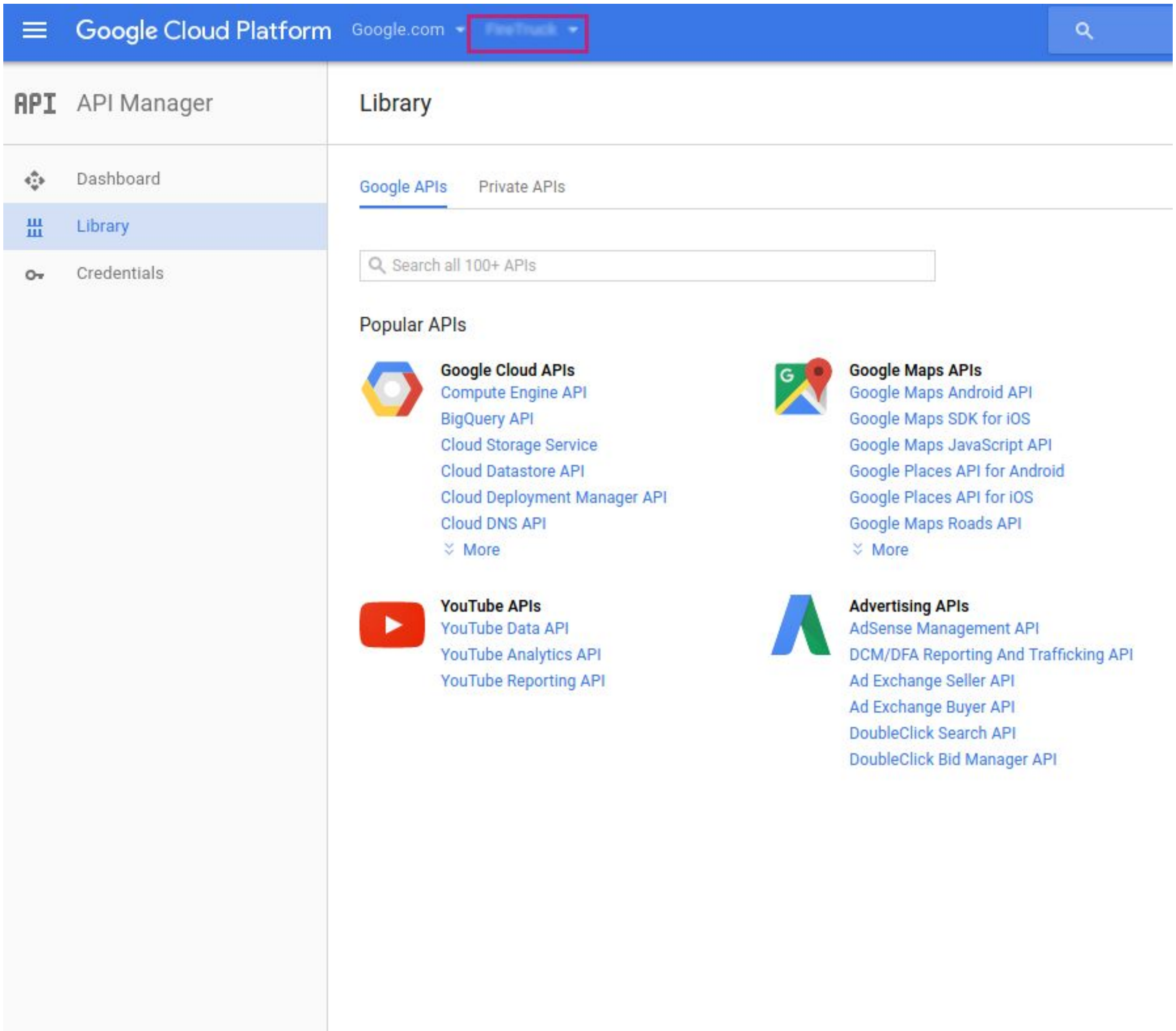
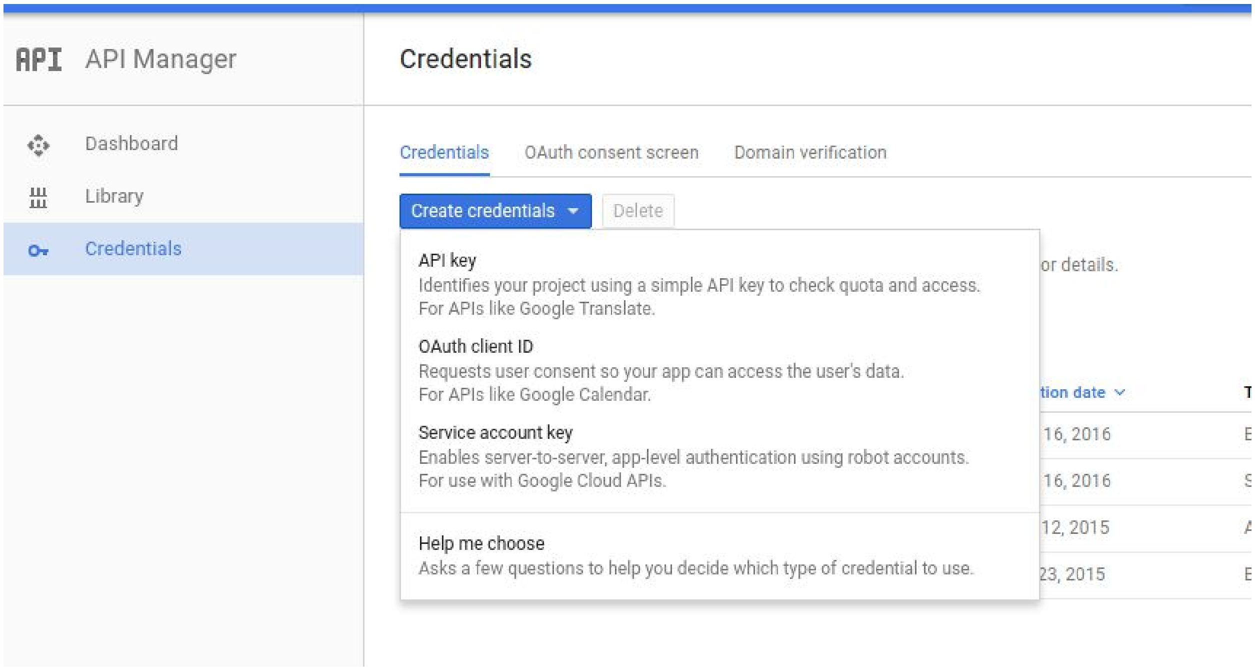
The most recent version of this guide is available publicly in PDF format here

Guide to downloading your Firebase Auth user data

1 Go to the Google Developer Console API page. Make sure to select the correct project, shown in red frame (sometimes the project selector appears on the right part of the toolbar).



2 Click “Credentials” in the left panel, then click on the “Create credentials” drop-down and select “Service account key”.



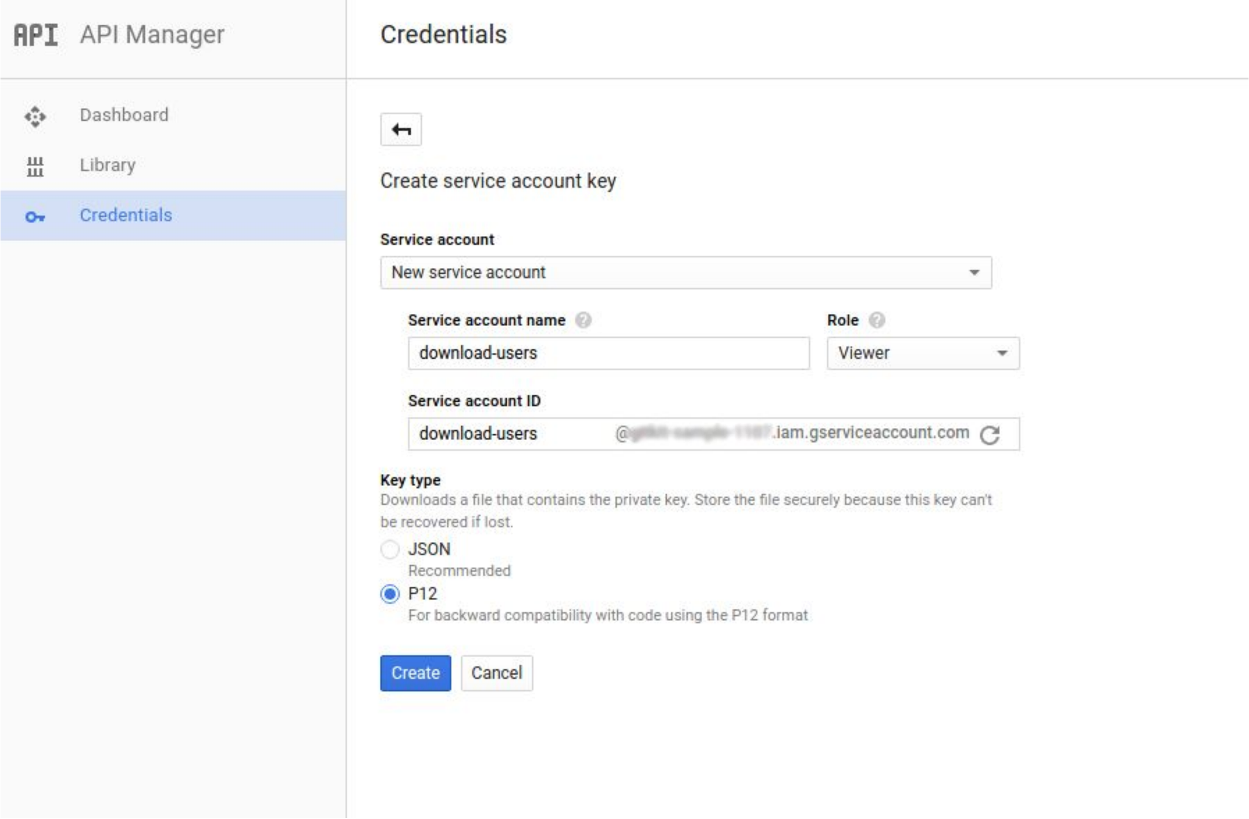
API key
Identifies your project using a simple API key to check quota and access.
For APIs like Google Translate.

OAuth client ID
Requests user consent so your app can access the user's data.
For APIs like Google Calendar.

Service account key
Enables server-to-server, app-level authentication using robot accounts.
For use with Google Cloud APIs.

Help me choose
Asks a few questions to help you decide which type of credential to use.

3 Create a new service account. Specify a service account name (e.g. *download-users*), select “Project->Viewer” as the Role and select “P12” as key type.



Service account: New service account

Service account name: download-users

Role: Viewer

Service account ID: download-users @[redacted].iam.gserviceaccount.com

Key type
Downloads a file that contains the private key. Store the file securely because this key can't be recovered if lost.

○ JSON
Recommended

● P12
For backward compatibility with code using the P12 format

4 After clicking “Create”, the p12 key file will be downloaded automatically. Save the file, as we will use it soon.

5 Download the official Identity Toolkit sample for Node.js from Github.

6 Install npm if you don’t have it yet. Then run “npm install” from within the folder where you downloaded the sample, to download all the necessary dependencies.

7 Convert the .p12 file you downloaded earlier to a .pem encoding. You can convert the file using the openssl tool:

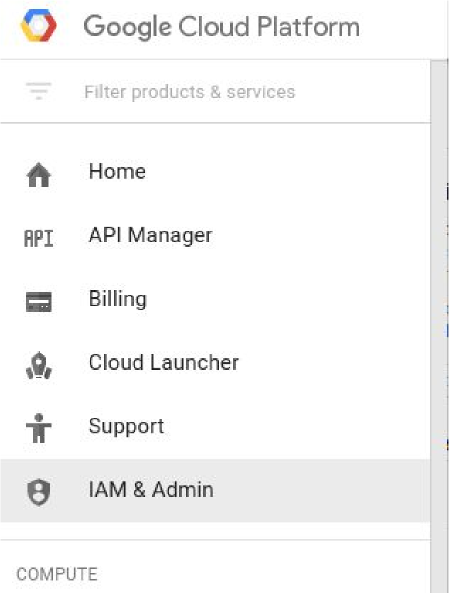
```
$ openssl pkcs12 -in <path-to-file-from-step-4.p12> -nocerts -passin
pass:notasecret -nodes -out key.pem
```

Store key.pem inside the folder of the sample downloaded in step #5.

8 Create a new file named “gitkit-server-config.json” in the same folder and copy the following into the file.

```
{
   "projectId": "<not used here, any string will be ok>",
   "serviceAccountEmail": "<service account email address>",
   "serviceAccountPrivateKeyFile": "<path of your key.pem generated in step 7>"
}
```

You can get the service account email address by going to the “IAM & Admin” Section (on the left sidebar in the cloud console, clicking on the overflow button) and checking the account you created in step3. The email format is “XXXX@YYYY.iam.gserviceaccount.com”



9 Run the following command line to download all your users. Pagination is used for downloading so don't worry if you have too many user accounts.

```
      $ node command-tool.js download > users.json
```