

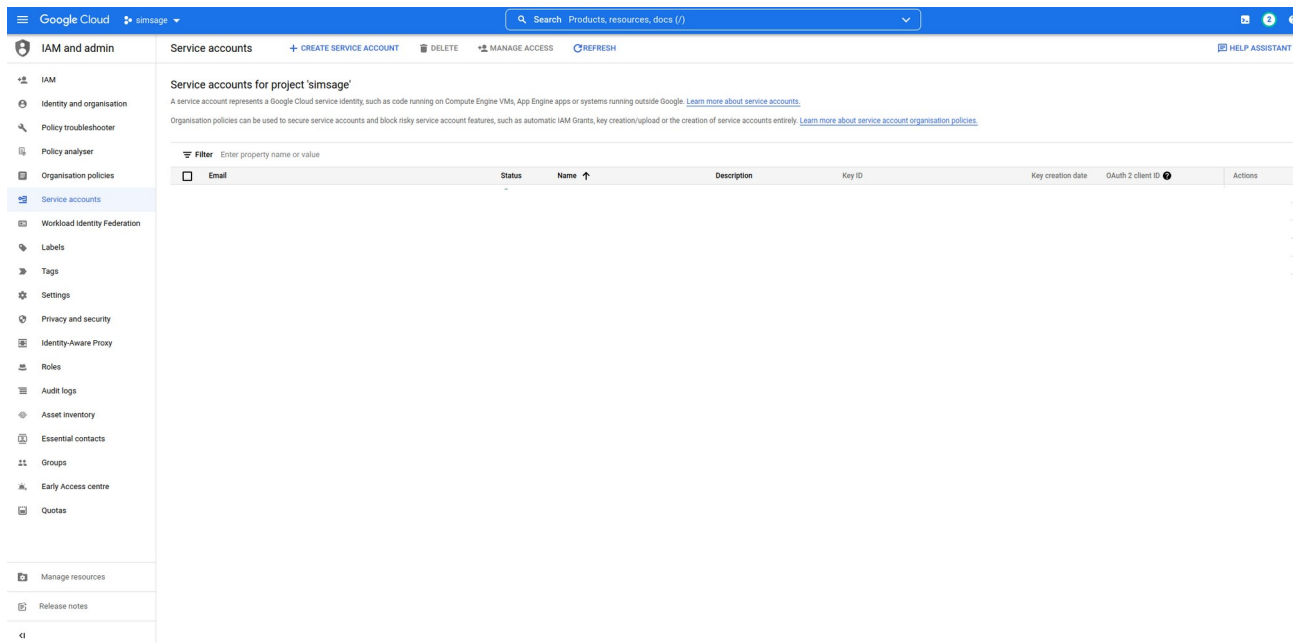
Set up a service account for SimSage to talk to Google drive

1. Create a new service account for the SimSage crawler. You need to be an administrator of your Google system to do so.

Visit: console.cloud.google.com

Go to: IAM and admin

In the menu on the side select “Service accounts”



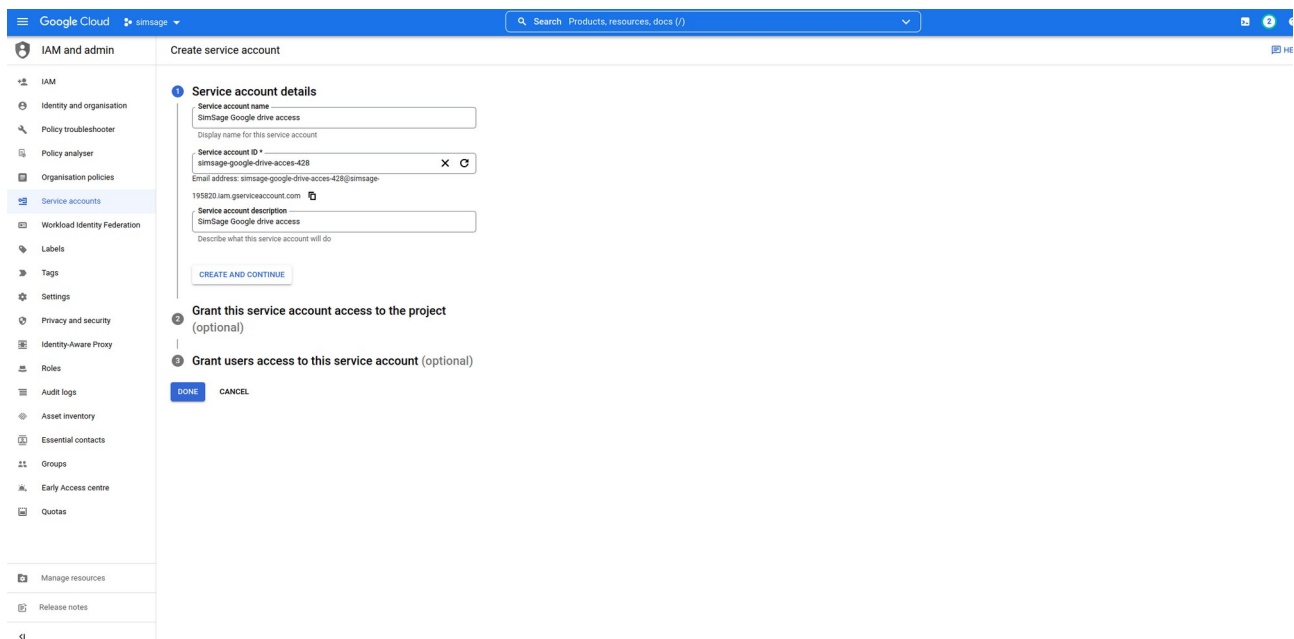
On the Service accounts screen click + CREATE SERVICE ACCOUNT

The following values are our suggestions. You do not need to use these specific values.

Service account name (optional) : SimSage Google drive access

Service account ID (optional) : simsage-google-drive-access

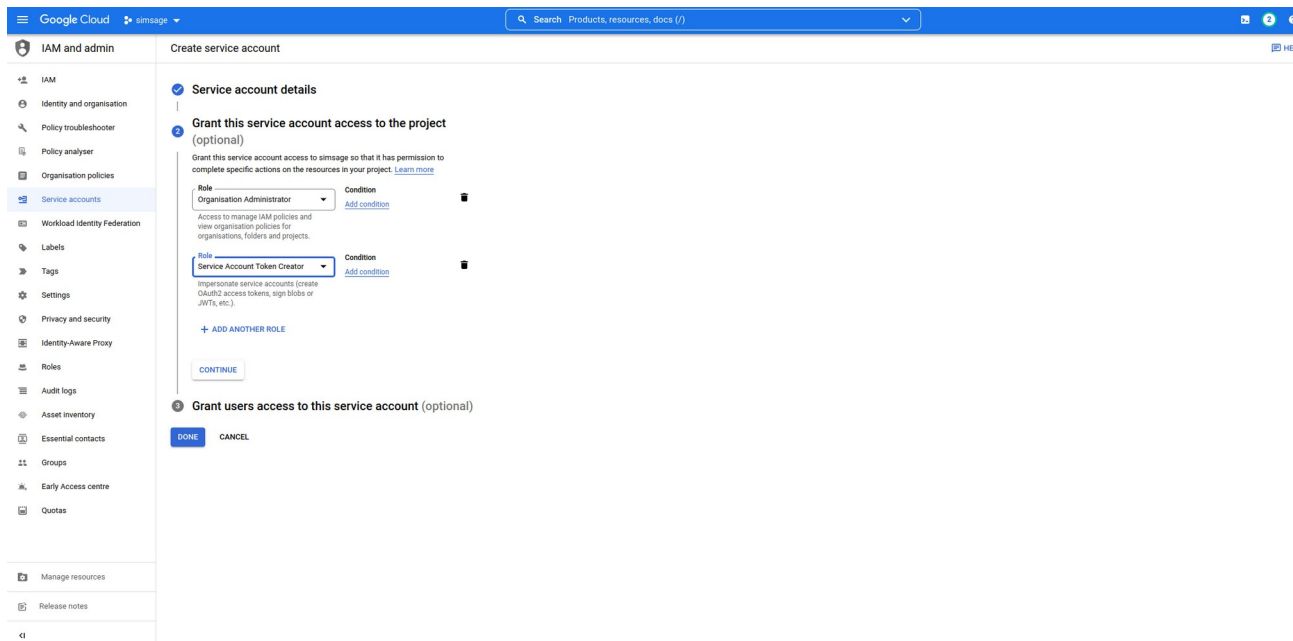
Service account description (optional) : SimSage Google drive access



Click “CREATE AND CONTINUE” to continue to Grant this service account access to the project.

You need to add two Roles for this account to work, click “Select a role”. Select “Organisation Administrator”. This gives SimSage access to all resources in your Organisation.

Click “+ ADD ANOTHER ROLE” to add the other required role. Select role “Service Account Token Creator”. This role enables SimSage to impersonate your users so it can go through your Google drive accounts as required.



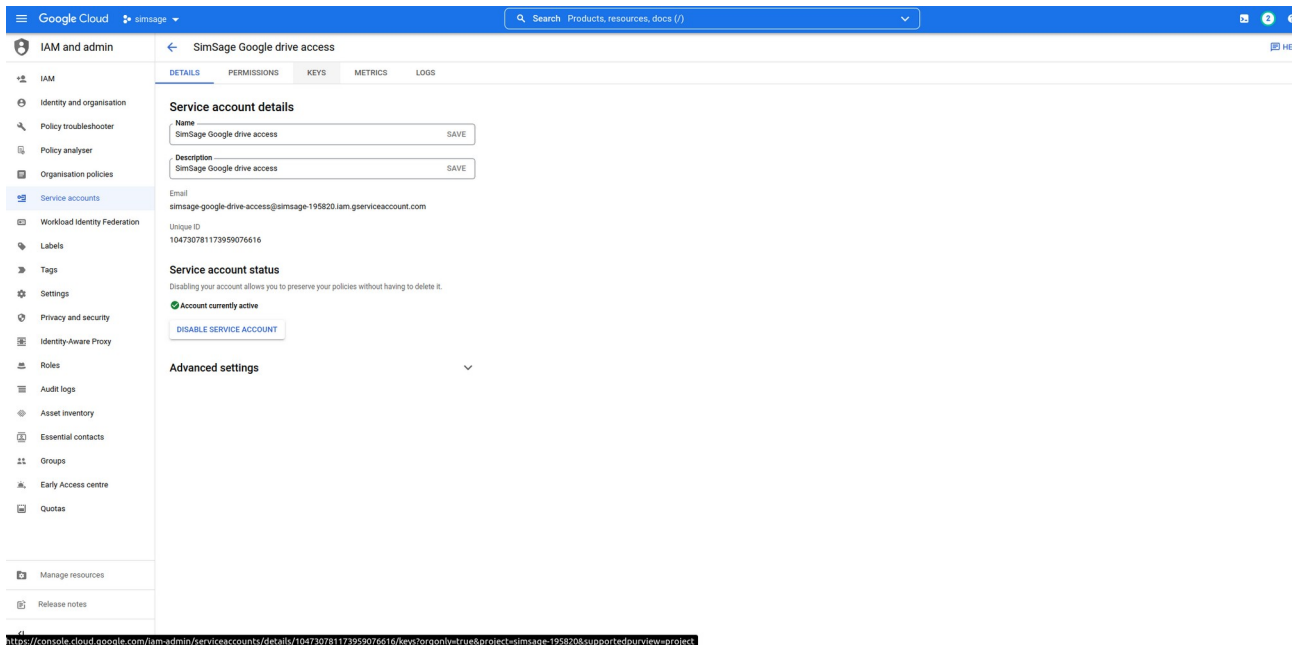
Click “DONE” to finish creating this service account.

This creates a new service account. The service account we created is called “simsage-google-drive-access@simsage-195820.iam.gserviceaccount.com”. However, this will differ for your organisation.

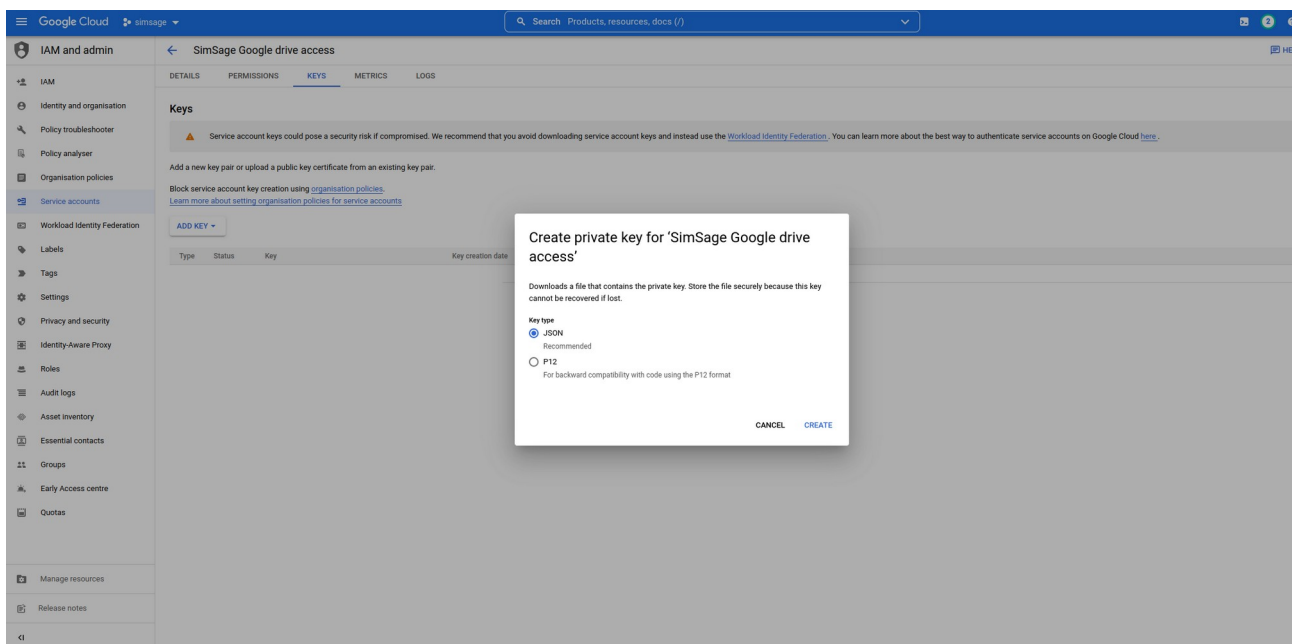
2. Create a KEY for the service account so SimSage can use the account.

Select your new service account by clicking on its name. This will take you to the “SimSage Google Drive access” (the name of your account) account details.

Make sure you copy the Unique ID for this account. This is shown in the DETAILS tab (default) of this account. This is a number that looks like “104730781173959077717”. This number is required in step 3 below.



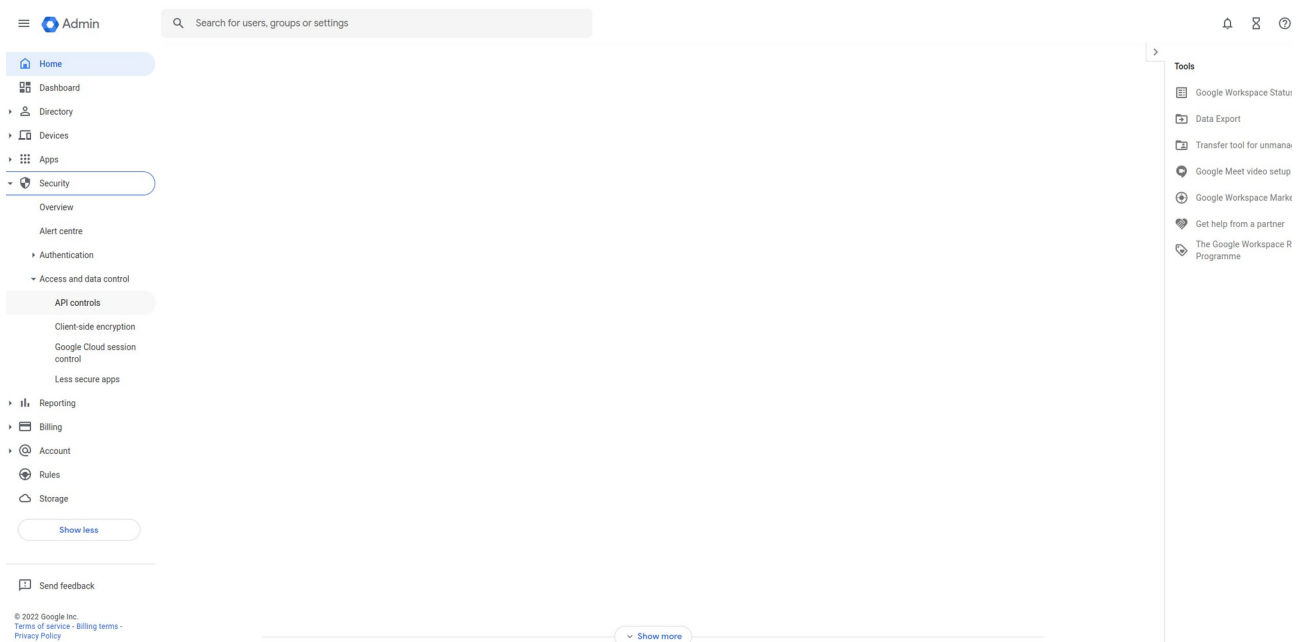
Click the KEYS tab at the top of this screen. Click ADD KEY → Create new key, keep the default selection of JSON and click “CREATE”.



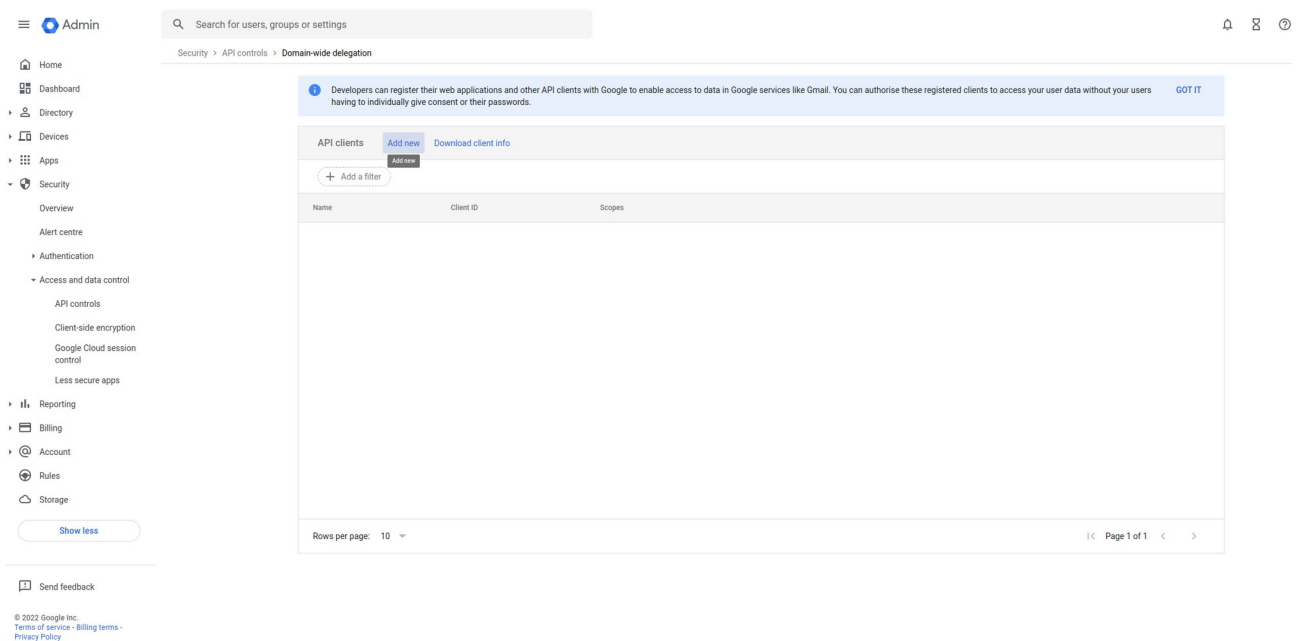
Google will show you a message that the Private key has been saved to your computer. SimSage will need the contents of this file to operate its crawler. Copy this file, and store it in a secure place for until you need it.

3. Authorize this service account to have Domain-wide delegation. Open up a new web-page and visit <https://admin.google.com/>

Click the “Show more” button if you can see “Security” in the left-hand side menu of this page. Select Security → Access and data control → API controls.



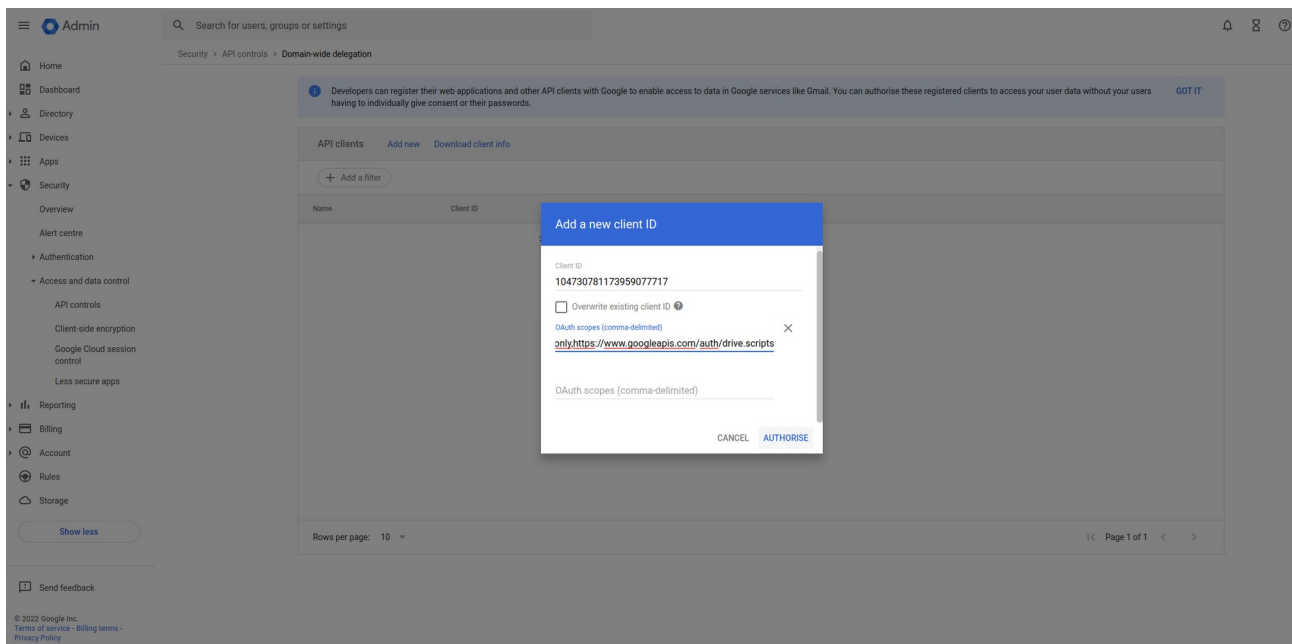
Click on “MANAGE DOMAIN-WIDE DELEGATION” at the bottom of the center page. This will take you to the API clients screen. Select “Add new” to add the service account as an accessor of specific items of your drive system.



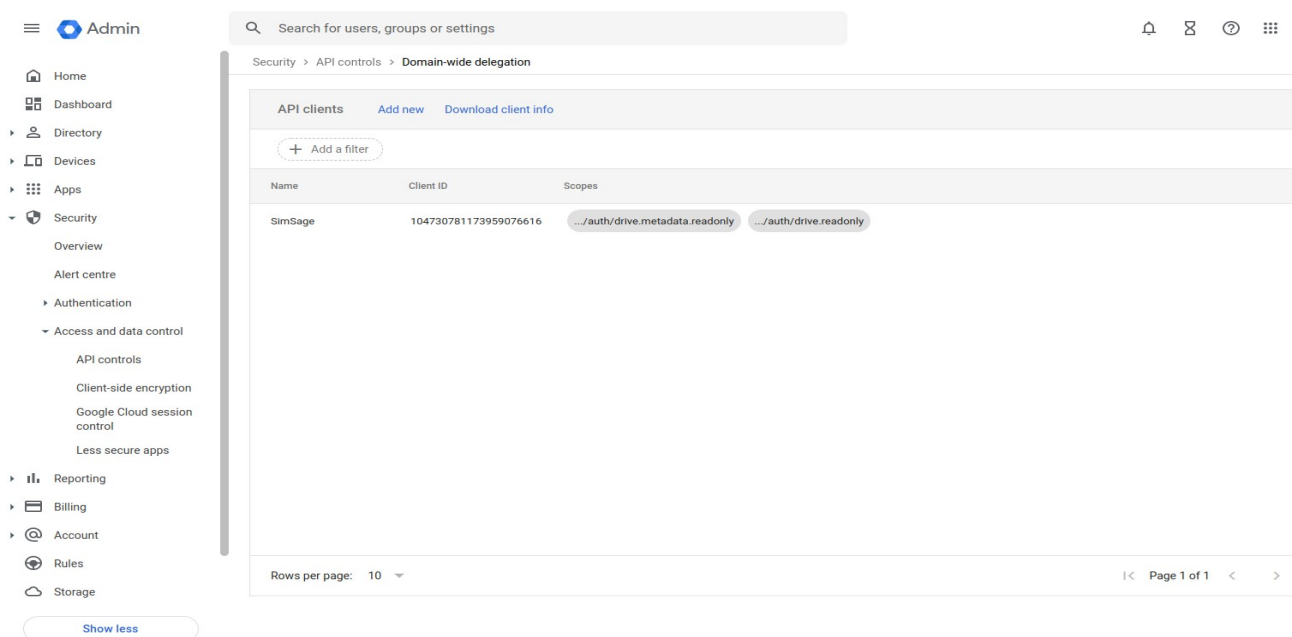
Copy the Client ID (104730781173959077717 in our example above) into the Client ID field, and add the following two OAuth scopes pasting the values below as a single line, items separated by commas. NB. these scopes define READ-ONLY access to your data.

<https://www.googleapis.com/auth/drive.metadata.readonly>,
<https://www.googleapis.com/auth/drive.readonly>

and click “AUTHORISE”.



Google will now notify you that this client has been added with 2 scopes.



We can now set up a new SimSage crawler to access any drive accounts you want indexed.