moodle

You are here

OAuth 2 Google service

*Note: You are currently viewing documentation for Moodle 3.3. Up-to-date documentation for the latest stable version of Moodle is probably available here: **OAuth 2 Google service.***

Main page ► Managing a Moodle site ► Server settings ► OAuth 2 services ► **OAuth 2 Google service**
OAuth 2 services

- Facebook service
- **Google service**
- LinkedIn service
- Microsoft service
- Twitter service

Features requiring the OAuth 2 Google service

You will need to set up an OAuth 2 Google service in order to use the following features:

- Google Drive repository
- OAuth 2 authentication for enabling users to log in to Moodle with their Google account
- Google Drive converter for converting assignment submission files to PDF for teachers to annotate

OAuth 2 Google service setup

To set up an OAuth 2 client with Google, first we need to login to the Google Developers Console and create a new project.

Create a new project using the menu at the top of the page.
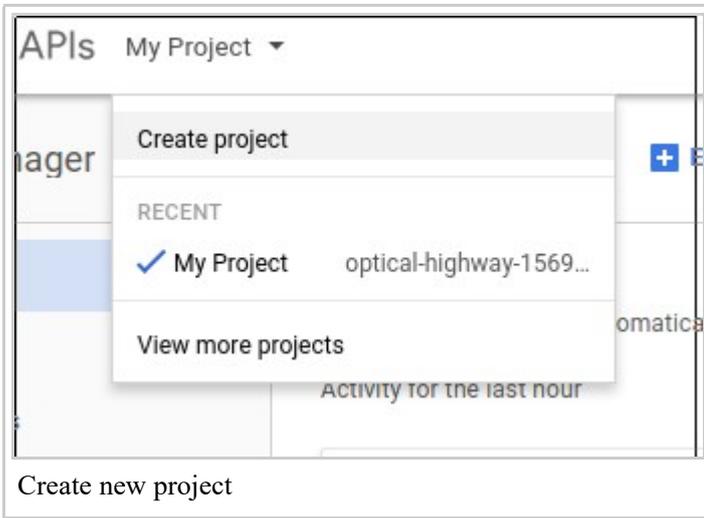
Create new project

Call the new project whatever you like, this name is not shown to users when they are asked to authorise this application.
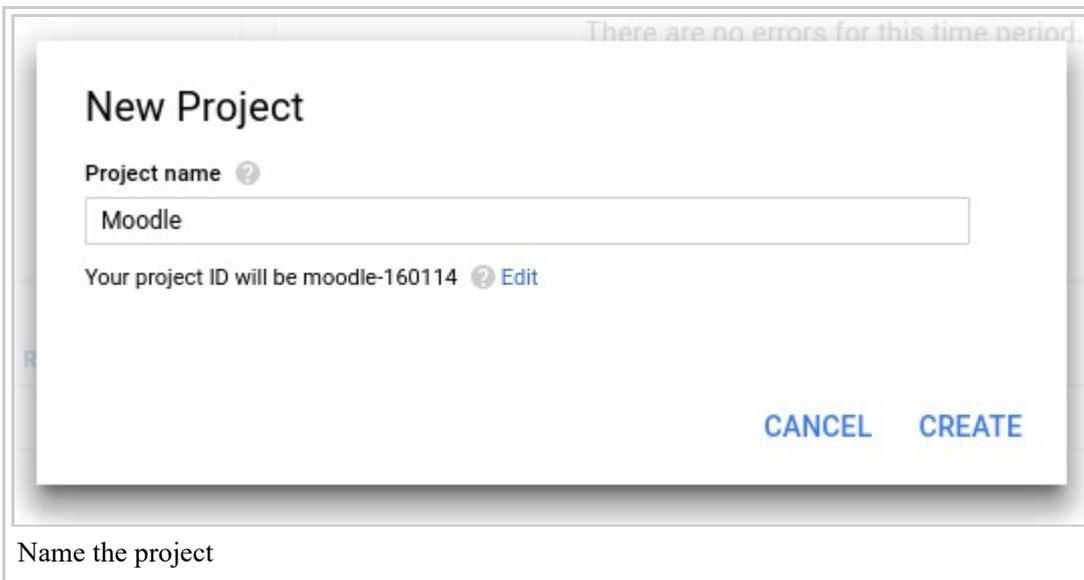
Name the project

Select "credentials" from the menu on the left.
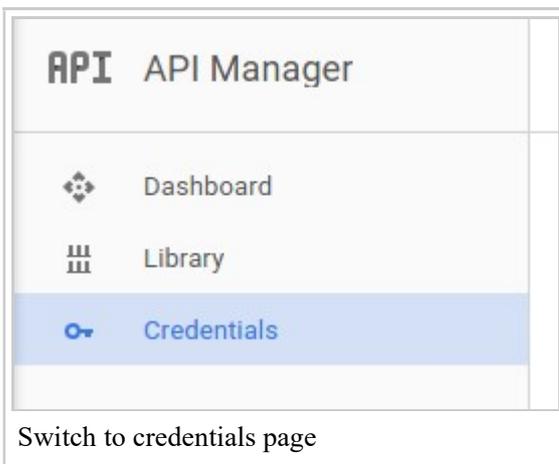
Switch to credentials page

Setup the consent screen for your application. This is where you provide the public information that is shown to users when they are asked to authorise your application. Setting a product name is the minimum information that is required, but the more information you provide here - the more confidence users will have when granting this authorisation.

Credentials

Credentials   OAuth consent screen   Domain verification

Email address ⊘

damyon.wiese@gmail.com   ▾

Product name shown to users

Moodle

Homepage URL (Optional)

https:// or http://

Product logo URL (Optional) ⊘

http://www.example.com/logo.png

This is how your logo will look to end users
Max size: 120x120 px

Privacy policy URL
Optional until you deploy your app

https:// or http://

Terms of service URL (Optional)

https:// or http://

Save   Cancel

The consent screen will be shown to users whenever you request access to their private data using your client ID. It will be shown for all applications registered in this project.

You must provide an email address and product name for OAuth to work.

Setup consent screen

Now you can create some client credentials. Switch to the credentials tab and create a new OAuth client ID.

Create an OAuth Client ID

Setup the credentials for a Web Application. The most important setting here is to set the callback URL ("Authorized redirect URI"). This must be set to "your moodle site url + /admin/oauth2callback.php". If your moodle site was accessible at https://lemon.edu/ then this callback URL should be set to https://lemon.edu /admin/oauth2callback.php. Make sure this box has saved properly.

Set the callback URL

When you have saved the information on this page, Google will give you the client ID and client secret that you need to enter into Moodle.

OAuth client

Here is your client ID

322263977276-jq0niveu760455jqpne136rr08tl9d2n.apps.googleusercontent.com

Here is your client secret

dcxQtaArgq-t_zRBkzGf1-EZ

OK

Got my secrets!

Finally we have to enable the Drive API (if we want to use the google drive repository or file converter plugins).

API API Manager

Dashboard

Library

Credentials

View the Library tab

Google Apps APIs
Drive API
Calendar API
Gmail API
Sheets API
Google Apps Marketplace SDK
Admin SDK
⌄ More

Select Drive API

← Google Drive API ▶ ENABLE

Enable the API
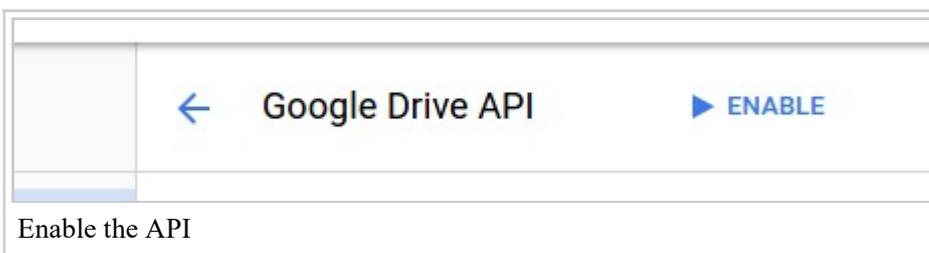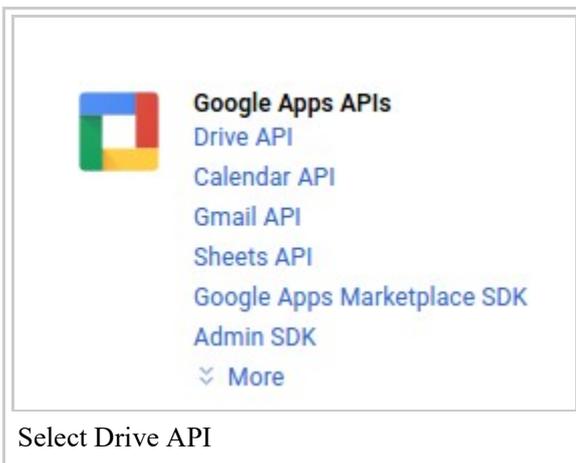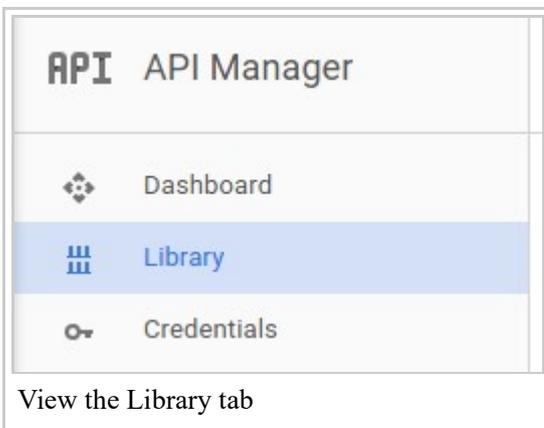
App verification

NOTE: If you are just using this for document conversion you will not need to verify (as it only uses one account). You will, however, need to verify your ownership of your domain (see, [1])

The Google Drive repository and Google Drive converter also require the app to be verified by completing the OAuth Developer Verification Form. The list of scopes that Moodle requires are:

```
openid profile email https://www.googleapis.com/auth/drive
```

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See the discussion Google Drive Repository and Moodle 3.3.1 for more details.

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Categories: Site administration │ OAuth 2

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