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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**.*

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OAuth 2 services

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

Features requiring the OAuth 2 Google service

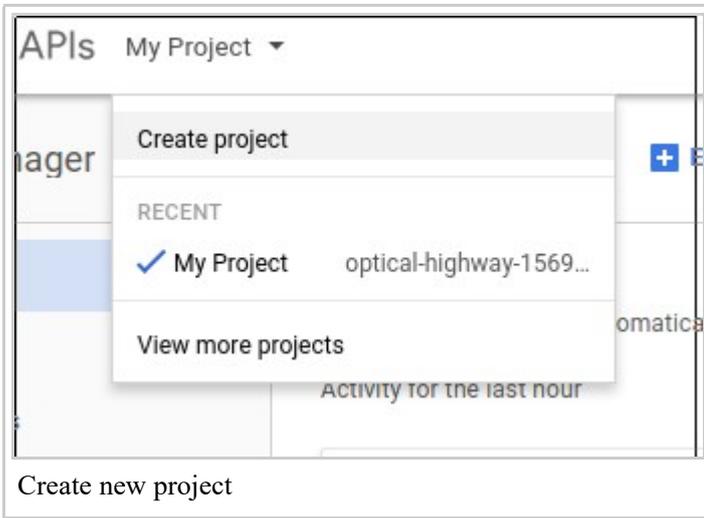
You will need to set up an OAuth 2 Google service in order to use the following features:

- 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

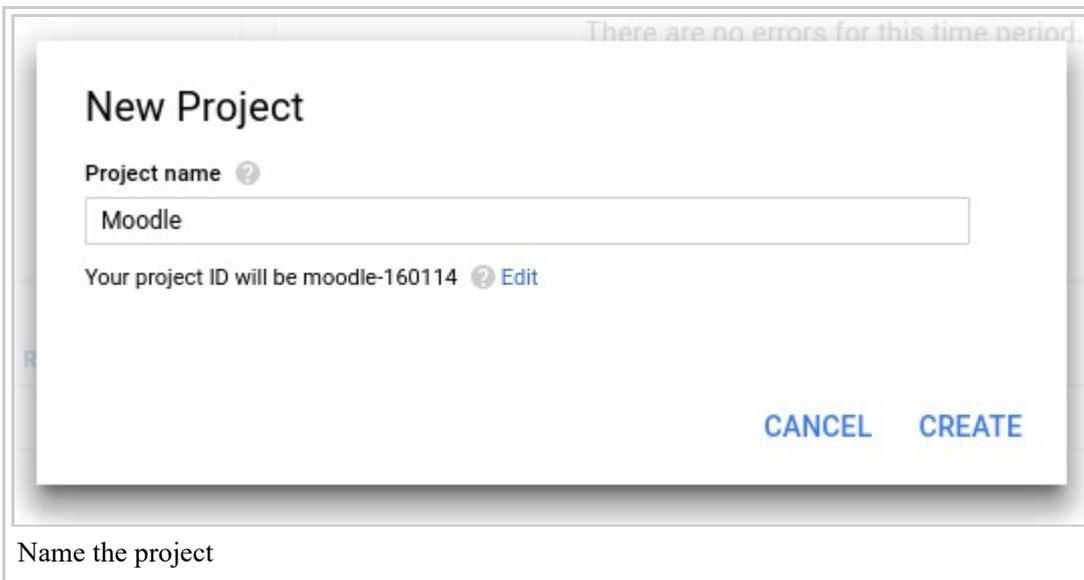
To set up an OAuth 2 client with Google, first we need to login to the Google Developers Console and create a new project.

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



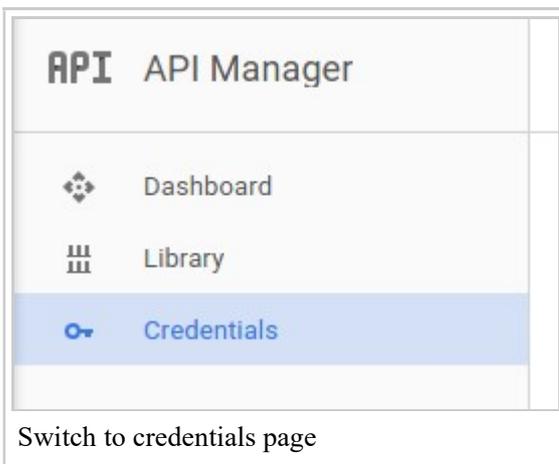
Create new project

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.

Credentials

[Credentials](#)

[OAuth consent screen](#)

[Domain verification](#)

APIs

Credentials

You need credentials to access APIs. [Enable the APIs that you plan to use](#) and then create the credentials that they require. Depending on the API, you need an API key, a service account or an OAuth 2.0 client ID. [Refer to the API documentation](#) for details.

Create credentials ▾

API key

Identifies your project using a simple API key to check quota and access.

OAuth client ID

Requests user consent so your app can access the user's data.

Service account key

Enables server-to-server, app-level authentication using robot accounts.

Help me choose

Asks a few questions to help you decide which type of credential to use

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.

Credentials



Create client ID

Application type

- Web application
- Android [Learn more](#)
- Chrome App [Learn more](#)
- iOS [Learn more](#)
- PlayStation 4
- Other

Name

Restrictions

Enter JavaScript origins, redirect URIs or both

Authorised JavaScript origins

For use with requests from a browser. This is the origin URI of the client application. It can't contain a wildcard (http://*.example.com) or a path (http://example.com/subdir). If you're using a nonstandard port, you must include it in the origin URI.

Authorised redirect URIs

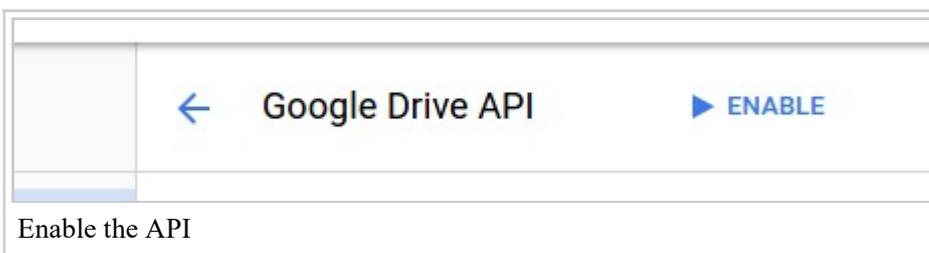
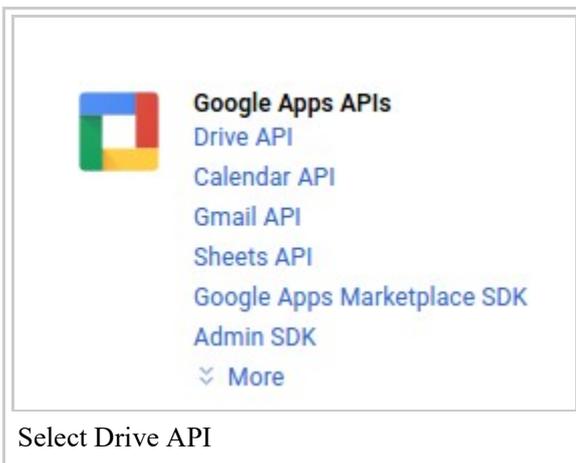
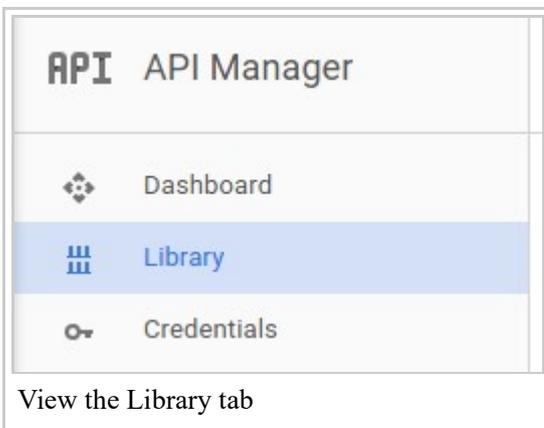
For use with requests from a web server. This is the path in your application that users are redirected to after they have authenticated with Google. The path will be appended with the authorisation code for access. Must have a protocol. Cannot contain URL fragments or relative paths. Cannot be a public IP address.

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.



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



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
```

See the discussion [Google Drive Repository and Moodle 3.3.1](#) for more details.

Retrieved from "https://docs.moodle.org/33/en/index.php?title=OAuth_2_Google_service&oldid=128980"

Categories: [Site administration](#) | [OAuth 2](#)

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