

# Google Drive Pre-Requisites

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# **Google Drive Pre-Requisites**

### Overview

To enable the Google Drive integration with FrogLearn some initial steps will need to be configured within the school's Google tenancy. This will include the generation of an API key.

The Google Drive integration also supports single sign on and can be achieved in one of two ways:

- Sign in with Frog Allows a user to access their Google account with their Frog login credentials.
- Sign in with Google Allows a user to sign in to Frog using their Google login credentials.

Should you be interested in either of these single sign on options then please contact Frog to receive additional documentation.

#### How-to

To generate the required API key, navigate to the URL <u>https://console.developers.google.com</u>. Log in using your school's Google administrator account.

	Goo	ogle	
One a	account.	All of Goo	gle.
Sign in to	continue to Go	ogle Developers Con	isole
	e		
	frogadmin@frogo	osdev.co.uk	
	•••••	•	
	Sigr	i in	
	✓ Stay signed in	Need help?	
	Create an	account	_
	One Google Account f 8 M 👍 🛙	or everything Google	

Once logged in to the Google Developers Console select the Create project button.

Google Developers Console	Select a project 👻	Sign up for a free trial. Try the beta controle	۶.	ø	0	٥	۲
Create project							
You do not have any active projects.							
Projects abut down and pending deletion							

A pop-up window will appear asking you to enter a project name. The project name will only be referenced in the Google Developers Console therefore it is recommended that you choose a name that will have meaning. For example, **Google Drive for Frog**. When happy with the project name entered click on the **Create** button.

New Project						
Project name 🛞						
Google Drive for Frog						
Your project ID will be citric-banner-112023 👔 Edit						
Show advanced options						
Create						

The Activities pop-up window should now display the current status of project creation with a green tick.



Your project name will now display within the header of the Google Developers Console, and you will see all available options for configuration.

Home	Dashboard		
Dashboard Activity	Project: Google Drive for Frog	Deploy a Hello World app	Documentation
	ID: citric-banner-112023 (#435678678961) 🗸	Learn how to use App Engine to create a	Google Cloud Platform Documentation
		Hello World app and deploy it in the cloud. App Engine lets you build and deploy an app without worrying about the	Google Cloud Solutions L <sup>2</sup>
	Use Google APIs	underlying infrastructure.	Google Cloud Tutorials
	Endue Aria, create credentiais, and track your usage	-@- Get Started	
	RPI Enable and manage APIs		Start with a prebuilt solution
		Deploy a sample application using Node is	Launch your favorite software packages on Boogle Cloud Platform with just a few clicks
	Take a VM quickstart	Take a tutorial on how to deploy a simple	
	Spin up virtual machines using Google Compute Engine, Node js, and MongoDB	Node is application using Managed VMs	A Browse packages
	to create a guestbook app	Start Creating	
	(iii) Get Started		
		Create a Cloud Storage bucket	
		Store your unstructured data safely and	

## Select the Enable and manage APIs link.

A Home	Dashboard		
Dashboard Activity	Project: Google Drive for Frog	Deploy a Hello World app	Documentation
	ID: eltrie-banner-112023 (#435678675961)	Learn how to use App Engine to create a	Google Cloud Platform Documentation L <sup>2</sup>
		Hello World app and deploy it in the cloud. App Engine lets you build and deploy an app without worrying about the	Google Cloud Solutions C
	Use Google APIs	underlying infrastructure.	📴 Google Cloud Tutorials 🖒
	vour usage	-@- Get Started	
	RPT Couble and managet APIs Take a VM quickstart Spin up virtual machines using Google	Deploy a sample application using Node.js	Start with a prebuilt solution Launch your favorite software packages on Boogle Cloud Platform with junt a few clicks
		Take a tutorial on how to deploy a simple Node is application using Managed VMs.	A Browse packages
	to create a guestbook app	-Ö- Start Creating	
-	(iii) Get Started	Create a Cloud Storage bucket	
*D		Store your unstructured data safely and	

Go to the section Google Apps APIs and select the Drive API link.

$\equiv$ Google Develope	ers Console Q		Google Drive for Frog 👻	9	0	1	
RPI API Manager	Overview						
Overview     Overview     Credentials	Google APIs Enabled APIs (7)						
	Computer APIs  Popular APIs  Compute Engrie API  BigDuery API  Cloud Storage Eervice  Cloud Detextore API  Cloud API	Coogle Maps APts Coogle Maps Antroit APt Coogle Maps SIDX for IOS Coogle Maps Antroit APt Coogle Places APt for Antroid Coogle Places APt for Antroid Coogle Places APt for Antroid Coogle Places APt for Antroid Coogle Maps Roads APt V Mare	Google Apps APIs (Inve API) Userdar API Google Apps Marketplace SDK Animi SDK Contacts API GalDAV API				
	Mobile APIs Cloud Messaging for Android Google Flag Oame Services Google Flag OwnSport API Google Flags API for Android	Social APIs Google+ API Biogoy: API Google+ Domains API Google+ Domains API	YouTube APIs YouTube AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA				

Select the Enable API button to enable the API.

	Google Developers Co	nsole Q
API	API Manager	Overview
۞ ٥٠	Overview Credentials	Enable APT Drive API
		The Drive API allows clients to access resources from Google Drive. Learn more Try this API in APIs Explorer 더 다

The Drive API is now enabled. Next select Credentials from the menu on the left-hand side.

	Google Developers Co	onsole Q
API	API Manager	Overview
\$	Overview	C Disable API
07	Credentials	Drive API Overview Usage Quotas Drive UI Integration The Drive API allows clients to access resources from Google Drive. Learn more Try this API in APIs Explorer

The Credentials page will be displayed. Select the **OAuth consent screen** tab.

≡ Google Develope	rs Console Q.	Google Drive for Frog + 🖪 👂 🕴 😩
RPI API Manager	Credentials	
<ul> <li>Overview</li> <li>Credentials</li> </ul>	Credentials CAuth consent screen Domain verification The consent screen will be shown to users whenever you request access to their private data using your client ID Note: This screen will be shown for all applications using this project's OAuth 2.0 client ID Email address	
	Product name     Product name     Momepage URL (spilonal)	- Project Name would like to:
	Product logo URL (Coutoreal)  Thtp://www.example.com/logo.ong This is how your logo will look to end users	(a) Know your basic profile into and list of people in your $\mathscr{J}^{\ell}$ order.
	Max size: 120/120 pr Privacy policy URE. (0)(0)(0)(0)	Mate spope, visitelia to: Your crictee
	Terms of service URL (Optional)	By claims descept you show that age and Gouget to use your bitchmarks in a source with their sectore that the diverse of physics policies. You can change this and other Account Plemastors at an time.
-(1)	Gancel	

The consent screen information will be displayed to users when they create a Google document via FrogDrive. Therefore the information you enter here should have meaning to the end user. The only field that is compulsory is the **Product name**, which in this example is **FrogLearn**. You may wish to fill out the other optional items such as a homepage URL, logo etc. but this will be a school choice. Once happy with the information click on the **Save** button.

■ Google Develope	rs Console Q	Google Drive for Frog 👻 😰 😰 😨
RPI API Manager	Credentials	
<ul> <li>Overview</li> <li>Credentials</li> </ul>	Credentials OAuth consent screen Domain verification The consent screen will be shown to users whenever you request access to their private data using your client ID Note: This screen will be shown for all applications using this project's OAuth 2.0 client IDs Email address	
	Product name FrogLeam Homepage URL (hytemati) http://www.frogeducation.com	- Project Name would like to:
	Product logo URL (Colonal) (2) http://www.example.com/logo.png This is how-your logo will look to and users. After size: 120x120 ps	Know your besit profile into and last of people in your     And the second
	Privacy policy URL (()priorial) Terms of service URL (()priorial)	By staking Accept, you allow this age and Google to use your information is acceptions with their respective terms of service and phases pedicine. You can onling this and order Accept Permissions at any term.
-1	Save Cancel	

The changes will be saved and you will be automatically redirected to the Credentials tab. The Credentials page will allow for the creation of the client ID and client secret data that will be needed to configure Google Drive within FrogLearn. Click on the **Add credentials** drop-down list and then select **OAuth 2.0 client ID**.

Credentials	OAuth consent screen	Domain verification				
			<sup>APIs</sup> Credentials	API		
			You need credentials to access APIs. Enable the APIs you pluse and then create the credentials they require. Depending API, you need an API key, a service account, or an OAuth 2.0 ID. Refer to the API documentation for details.			
			API key Identifies your project using a simple A For APIs like Google Translate.	API key to check quota and access.		
			OAuth 2.0 client ID Requests user consent so your app car For APIs like Google Calendar.	in access the user's data.		
			Service account Enables server-to-server, app-level auth For use with Google Cloud APIs.	hentication using robot accounts.		

The Create client ID page is displayed. Complete the following options:

- Application type Select the radio button next to Web application.
- Name Enter the name for the client ID (e.g. FrogLearn Google Drive).
- Authorized JavaScript origins Enter the URL of your FrogLearn platform (e.g. <u>https://secondarytraining-sandbox.frogos.net</u>).

 Authorized redirect URIs – Enter the FrogLearn URL with the following appended /app/acceptdriveauth (e.g. <u>https://secondarytraining-</u> sandbox.frogos.net/app/acceptdriveauth).

When happy with the information entered click on the **Create** button.

<b>4</b>	
Create client ID	
Application type	
Web application	
Android Learn more	
Chrome App Learn more	
O IOS Learn more	
PlayStation 4	
O Other	
Name	
FrogLearn - Google Drive	
Authorized JavaScript origins Enter JavaScript origins here or redirect URIs below (or both) 🛯	
Cannot contain a wildcard (http://*.example.com) or a path (http://example.com/subdir).	
https://secondarytraining-sandbox.frogos.net	×
http://www.example.com	
Authorized redirect URIs Must have a protocol. Cannot contain URL fragments or relative paths. Cannot be a public IP address.	
https://secondarytraining-sandbox.frogos.net/app/acceptdriveauth	×
http://www.example.com/oauth2callback	
Create Cancel	

Once the new Client ID has saved the details will be displayed. Take a copy of the **client ID** and **client secret** information. This information will be required when activating Google Drive within FrogLearn. When you have copied the information click on the **OK** button.

#### OAuth client

Here is your client ID

435678675961-0al1u3ip6rm5s5if3v2eosp6i9bfs6gc.apps.googleusercontent.com

Here is your client secret

b6aNzFs3NllLg7HhnmWGyibK



Next we will need to enable the API access within your school's Google tenancy. In a browser navigate to the URL <u>https://google.com/a/<Google\_domain></u> and log in as your Google administrator (e.g. <u>https://google.com/a/frogosdev.co.uk</u>).

	Google
On	e account. All of Google
	Sign in with your Google Account
	frogadmin@frogosdev.co.uk
	Sign in
	✓ Stay signed in Need help?
	Create an account
	One Google Account for everything Google 8 M 👍 💌 🌺 🕨 🔯

After logging in to the Google admin console click on the **MORE CONTROLS** link at the bottom of the page.

Google			٩	
<b>_</b>				
Users Add, rename, and manage users	Company profile Update information about your company	Apps Manage apps and their settings	Groups Create groups and mailing lists	Device management Settings and security for devices
Billing View charges and manage licenses				
		MORE CONTROLS		

A panel of additional administrative tools will appear. Select the **Security** icon.

				Drop icons abov	ve in the dashboard	for easy access		
<		•	@	20.	P		2	>
	Admin roles	Security	Domains	App Engine apps	Support	Migrations	Reports <sup>NEW!</sup>	
				•	MORE CONTROL	.S		

From the Security options select the option API reference.

Google	
≡ Security	
Security       Crossedev.co.uk         Basic settings       Set password strength policies, enforce 2-step verification.         Password monitoring       Monitor the password strength by user.	
API reference Enable APIs to programmatically manage provisioning, reporting, or migration via custom-built or third- party applications.	
Set up single sign-on (SSO) Setup user authentication for web based applications (like Gmail or Calendar).	

Under the section **API access** select the checkbox next to **Enable API access**. Then select the **SAVE CHANGES** button at the bottom of the page.

≡ Security		1	0	1
	^ API reference			
	API access API access Allows access to various Google Apps Administrative APIs.			
	Admin SDK Admin SDK The Google Admin SDK allows developers to write applications to manage Google Apps domains, migrate from and integrate with existing IT infrastructure, create users, update settings, audit activity, and more.			
	DISCARD CHANGES			

Please refer to the document **Google Drive Preferences** for next stages of the Google Drive integration.