

Configure Google Workspace in Google Cloud

Create new project

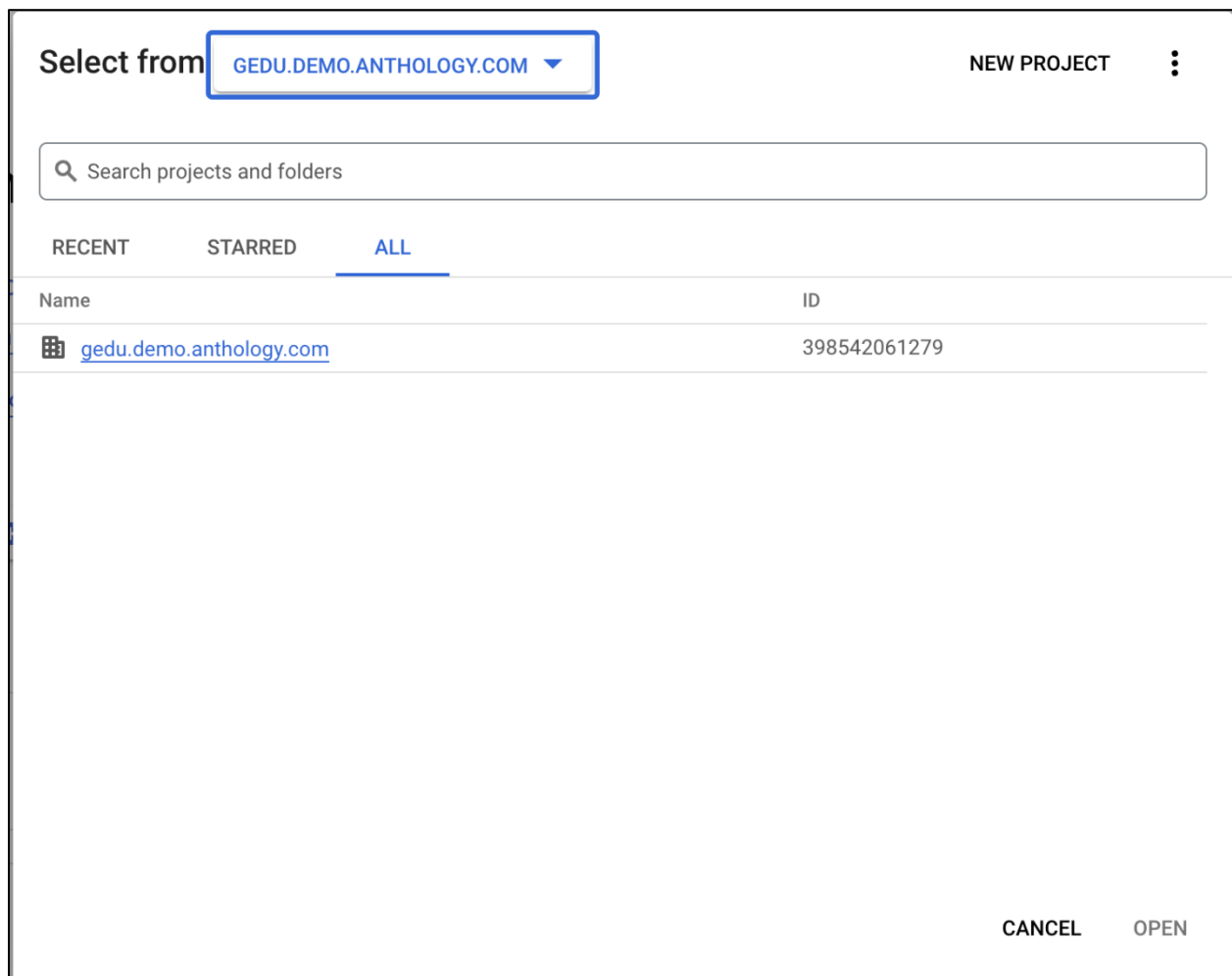
Go to the [Google Cloud Portal](#) using your Admin or Support account.

You need to create an Integration project to handle the request and response between your Google Workspace and Learn.

Select a project from the dropdown menu at the top of the dashboard.

Select a project ▼

Choose your organization and select **New Project**.



The screenshot shows a 'Select from' dialog box. At the top left, it says 'Select from' followed by a dropdown menu showing 'GEDU.DEMO.ANTHOLOGY.COM'. To the right of this is a 'NEW PROJECT' button and a three-dot menu icon. Below this is a search bar with the placeholder text 'Search projects and folders'. Under the search bar are three tabs: 'RECENT', 'STARRED', and 'ALL', with 'ALL' being the active tab. Below the tabs is a table with two columns: 'Name' and 'ID'. The table contains one row with the name 'gedu.demo.anthology.com' and the ID '398542061279'. At the bottom right of the dialog are two buttons: 'CANCEL' and 'OPEN'.

Name	ID
gedu.demo.anthology.com	398542061279

You're redirected to the **New Project** page. Enter a project name, organization, and location for your institution. Select **Create** and choose your project. The project name must be a unique identifier and can't be changed after you create the project.

Google Cloud

New Project

Project name *
Anthology ?

Project ID: anthology-391307. It cannot be changed later. [EDIT](#)

Organization *
gedu.demo.anthology.com ▼ ?

Select an organization to attach it to a project. This selection can't be changed later.

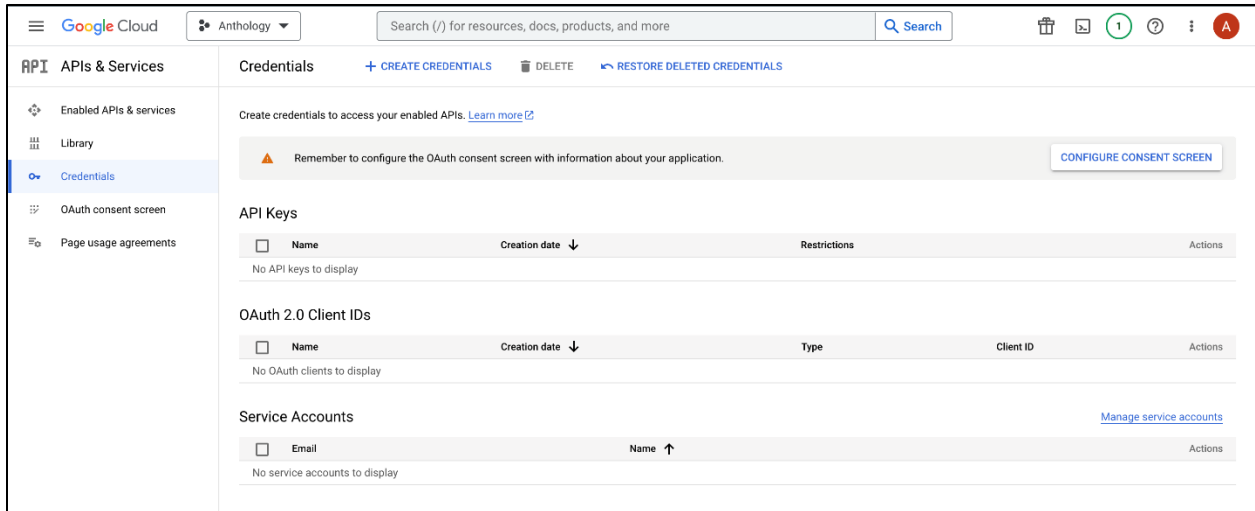
Location *
📁 gedu.demo.anthology.com [BROWSE](#)

Parent organization or folder

[CREATE](#) [CANCEL](#)

Set up the consent screen

After you've created your project, navigate to **APIs & Services** from the navigation panel.



Select **Configure Consent Screen**. Select **User Type** as **Internal**, then select **Create**.

The **Internal** user type limits access to your internal organization. You can control and track usage. All other external access, such as a personal account, is blocked.

OAuth consent screen

Choose how you want to configure and register your app, including your target users. You can only associate one app with your project.

User Type

Internal [?](#)

Only available to users within your organization. You will not need to submit your app for verification. [Learn more about user type](#)

External [?](#)

Available to any test user with a Google Account. Your app will start in testing mode and will only be available to users you add to the list of test users. Once your app is ready to push to production, you may need to verify your app. [Learn more about user type](#)

[CREATE](#)

[Let us know what you think](#) about our OAuth experience

On the next page, fill out the required fields that are marked with an asterisk.

- **App name:** enter a name for your institution. This is displayed to the user while logging in (for example, Anthology Integration).

- **Support email:** enter a valid support email. This is displayed to the user so that they can contact Support if any errors occur while logging in.
- **Develop contact information email:** these email addresses are for Google to notify you of any changes to your project.

Select **Add scopes** and **Add Drive scope to the application** to grant access to Google Workspace.

Enter the scope at <https://www.googleapis.com/auth/drive> and select **Add to table**. Select **Update**, then scroll down to select **Save & Continue**.

The screenshot shows the 'Edit app registration' page in the Google Cloud console, specifically the 'Scopes' tab. The left sidebar shows navigation options like 'Enabled APIs & services', 'Library', 'Credentials', 'OAuth consent screen', and 'Page usage agreements'. The main content area is divided into sections for 'Your non-sensitive scopes' and 'Your sensitive scopes', both of which currently show 'No rows to display'. On the right, a table lists various scopes with checkboxes. The scope 'https://www.googleapis.com/auth/drive' is selected. Below this table is a 'Manually add scopes' section with a text input field containing 'https://www.googleapis.com/auth/drive' and an 'ADD TO TABLE' button. At the bottom of the right-hand panel, there is an 'UPDATE' button.

You've completed setting up the consent screen.

Google client configuration

Select **Create Credentials** and then select **API key**. The API key is used to restrict access to APIs.

[+ CREATE CREDENTIALS](#)
 DELETE
 RESTORE DELETED 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 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	Res

After the API key is created, copy the key ID to store it for integration. Select **Close**.

In **Create Credentials**, select **OAuth ClientID**. Access to your Google Workspace is based on ClientID access.

[+ CREATE CREDENTIALS](#)
 DELETE
 RESTORE DELETED 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 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	Restrictions None

In the Client Configuration page, fill out the following details. When you're done, select **Create** at the bottom of the page.


- **Application type:** web application
- **Name:** a name to identify the client


The authorized redirect URIs are based on the region you're in. Go to Blackboard's help page at https://help.blackboard.com/Learn/Administrator/SaaS/Integrations/Google_Workspace#configure_google_workspace to get the correct URIs for your region.

The screenshot shows the Google Cloud console interface for creating an OAuth client ID. The left sidebar contains navigation options: Enabled APIs & services, Library, Credentials (selected), OAuth consent screen, and Page usage agreements. The main content area is titled 'Create OAuth client ID' and includes the following elements:

- Application type:** A dropdown menu set to 'Web application'.
- Name:** A text input field containing 'Anthology Client'. Below it, a note states: 'The name of your OAuth 2.0 client. This name is only used to identify the client in the console and will not be shown to end users.'
- Information:** A note with an information icon stating: 'The domains of the URIs you add below will be automatically added to your OAuth consent screen as authorized domains.'
- Authorized JavaScript origins:** A section for browser requests with a '+ ADD URI' button.
- Authorized redirect URIs:** A section for web server requests with a text input field containing 'https://prod.bb-google-service.api.blackboard.com/api/v1/google-service/go' and a '+ ADD URI' button.
- Note:** A note at the bottom stating: 'Note: It may take 5 minutes to a few hours for settings to take effect'.
- Buttons:** 'CREATE' and 'CANCEL' buttons at the bottom.


The following **OAuth client created** pop-up appears.




Google Drive API
 Google Enterprise API 

With the Google Drive API, you can access resources from Google Drive to create files, manage file sharing, search for files and folders, and more.

- Google Picker API



Google Picker API
 Google Enterprise API 

Google Picker API enables users to select photos, videos, maps and documents stored in Google servers.

Google service account configuration

On the **Credentials** page, select **Service Account**. A service account provides and revokes access, as well as allows you to create and update files in an LTI (Learning Tools Interoperability) shared drive.

[+ CREATE CREDENTIALS](#) [DELETE](#) [RESTORE DELETED 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 Enables server-to-server, app-level authentication using robot accounts	Restriction
	None
Help me choose Asks a few questions to help you decide which type of credential to use	


Fill in the service account name and service account ID. The service account ID will likely be a user email address. Copy the email address and select **Done** when you're finished.

← Create service account

1 Service account details

Service account name
Display name for this service account

Service account ID * ✕ ↺
Email address: anthologycontentmanger@anthology-391307.iam.gserviceaccount.com



Service account description
Describe what this service account will do

[CREATE AND CONTINUE](#)

2 Grant this service account access to project (optional)

3 Grant users access to this service account (optional)

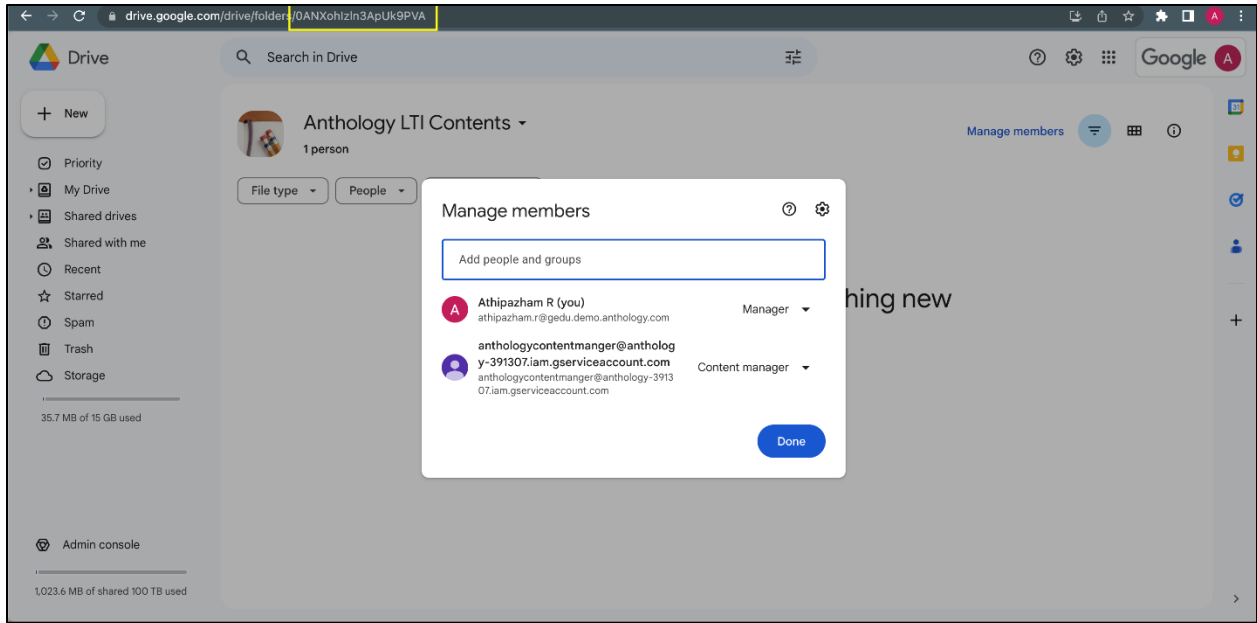
[DONE](#) [CANCEL](#)

To set up the key, select the Keys tab of your service account.

Select **Add key** and then **Create new key** from the dropdown menu. Select **JSON** from the pop-up menu that appears to download a JSON file.

You'll upload the JSON file to Learn. The JSON file contains all the necessary credentials for file management on the newly created shared drive.

Create a new Shared Drive in Google Drive and **add your new service account as a Content Manager or manager to the Shared Drive**. You can find the folder ID by copying what appears in the URL field of your browser when you access the folder. Copy everything that appears after **drive.google.com/drive/u/1/folders/**



[Visit the “Google Workspace” help page to continue the configuration of your Google Workspace in Learn.](#)