



Google Drive Connector

Quick Start Guide
version 1.0

Introduction

This document describes the requirements of the connector and provides the instruction on how to configure the connection and setup the connector. Other essential configuration steps that are part of the basic ScannerVision features (e.g., installation, configuring Networking Settings, templates, Users, etc) are not covered by this document.

This document will also cover the basic setup in Google to use OAuth authentication in ScannerVision.

The Google Drive Connector has been updated to make use of OAuth 2.0. The Google Drive Connector has also been updated to include Shared Folders as well as Shared Drives.

Requirements

The ScannerVision Google Drive Connector V3.2.0.7 requires ScannerVision Server V9.8.0.1385 and HPN V9.7.4.1201 or higher. Setup within Google Drive will need to be done by the Administrator of the Google account. This will also work for personal Google accounts.

NB: Internet access is required to setup OAuth in ScannerVision.

To be able to upload a document to a Google Workspace environment, the user needs to have the correct role and rights configured in the environment. Please contact your Google account administrator to get more information about this requirement.

Should you have any questions, please do not hesitate to contact our support team at support@ubunye.com for assistance.

ScannerVision™ Google Drive Project Creation

To create the project, follow this link and login to the Google account you wish to use:
<https://console.cloud.google.com/projectselector2/apis/dashboard?supportedpurview=project>

Configuration

Under “Enabled APIs & Services” select Create Project.

Supply a name for your Project and choose an organization if available.

Click Create.

Once created, your project should be automatically selected. If not, select your project from the dropdown.

Enabled APIs & services

To view this page, select a project.

CREATE PROJECT

New Project

You have 11 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

Project name *

GoogleDriveTest

Project ID: gifted-freehold-367406. It cannot be changed later. [EDIT](#)

Location *

No organization

[BROWSE](#)

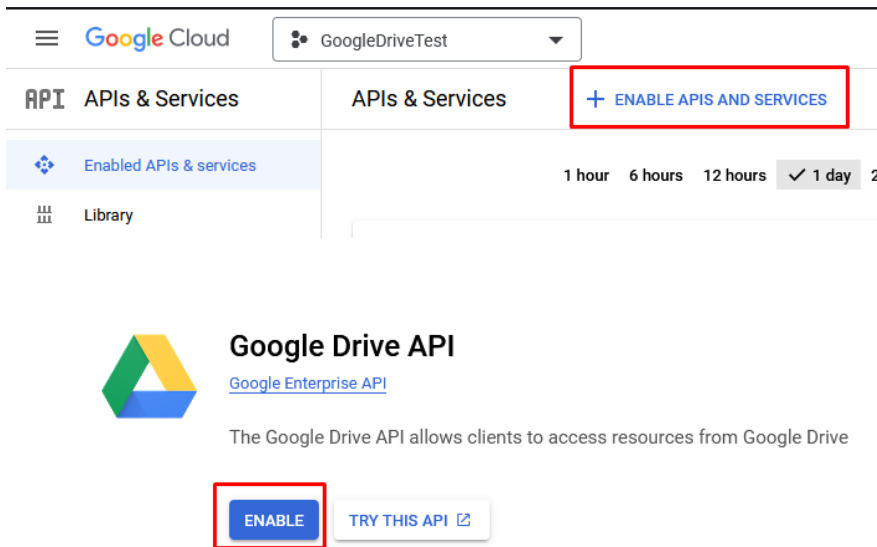
Parent organization or folder

CREATE

CANCEL

Google Cloud

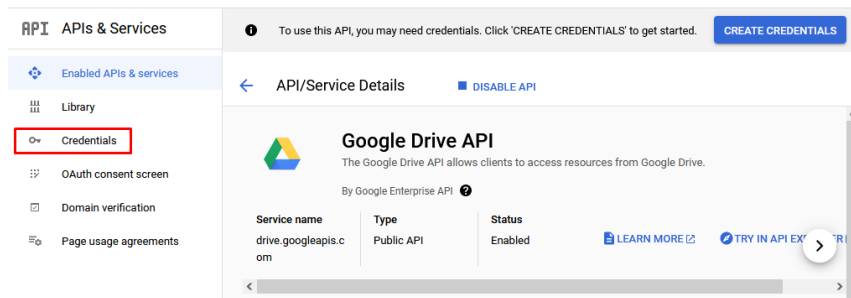
GoogleDriveTest



On the project dashboard, select
ENABLE APIS AND SERVICES.

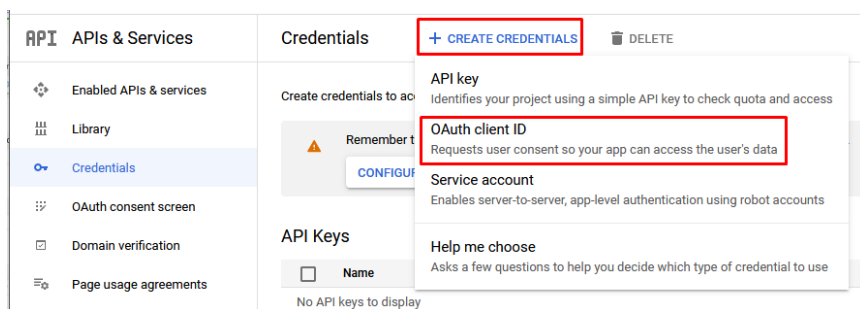
Search for and select the Google
Drive API.

Select Enable.



Once added, select Credentials
from the left side menu.

Then select CREATE CREDENTIALS
and OAuth client ID from the
drop-down menu that pops up.



← Create OAuth client ID

A client ID is used to identify a single app to Google's OAuth servers. If your app runs on multiple platforms, each will need its own client ID. See [Setting up OAuth 2.0](#) for more information. [Learn more](#) about OAuth client types.



To create an OAuth client ID, you must first configure your consent screen

CONFIGURE CONSENT SCREEN

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

Select "Configure Consent Screen"

Choose the appropriate User Type for your project.

We will make use of the External User Type for this guide.

App information

This shows in the consent screen, and helps end users know who you are and contact you

App name *

The name of the app asking for consent

User support email *

For users to contact you with questions about their consent

App logo BROWSE

Upload an image, not larger than 1MB on the consent screen that will help users recognize your app. Allowed image formats are JPG, PNG, and BMP. Logos should be square and 120px by 120px for the best results.

Developer contact information

Email addresses *

These email addresses are for Google to notify you about any changes to your project.

SAVE AND CONTINUE CANCEL

Edit app registration

1 OAuth consent screen — 2 **Scopes** — 3 Test users — 4 Summary

Scopes express the permissions you request users to authorize for your app and allow your project to access specific types of private user data from their Google Account. [Learn more](#)

ADD OR REMOVE SCOPES

Filter Google Drive API Enter property name or value

API	Scope	User-facing description
<input type="checkbox"/> Google Drive API	.../auth/docs	See, edit, create, and delete all of your Google Drive files
<input checked="" type="checkbox"/> Google Drive API	.../auth/drive	See, edit, create, and delete all of your Google Drive files
<input type="checkbox"/> Google Drive	/auth/drive.appdata	See, create, and delete its own configuration data in your

Supply an App name. The word "Google" cannot be used anywhere in the name.

Select a support email.

Supply a developer email address and select "Save and Continue".

Select "Add or Remove Scopes", filter on the Google Drive API and enable the ".../auth/drive" scope.

At the bottom of the page, select the "Update" button.

The scope will be shown under "Your sensitive scopes".

At the bottom of the page, select "Save and Continue".

✓ OAuth consent screen — ✓ Scopes — 3 **Test users** — 4 Summary

Test users

While publishing status is set to "Testing", only test users are able to access the app. Allowed user cap prior to app verification is 100, and is counted over the entire lifetime of the app. [Learn more](#)

+ ADD USERS

Filter Enter property name or value

User information

No rows to display

SAVE AND CONTINUE

CANCEL

The screenshot shows the 'APIs & Services' page in the Google Cloud console. The 'Credentials' section is selected, and a modal dialog is open for creating a new credential. The 'OAuth client ID' option is highlighted with a red box. The modal also shows 'API key', 'Service account', and 'Help me choose' options.

← Create OAuth client ID

A client ID is used to identify a single app to Google's OAuth servers. If your app runs on multiple platforms, each will need its own client ID. See [Setting up OAuth 2.0](#) for more information. [Learn more](#) about OAuth client types.

Application type *
Web application

Name *
Web client 1

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.

i The domains of the URIs you add below will be automatically added to your [OAuth consent screen](#) as [authorized domains](#).

If you chose External User Types in a previous step, now you will add the accounts for the users who require access to your app.

Once done, select "Save and Continue".

The Summary page will give a quick overview of your consent screen.

Under Credentials, again select "Create Credentials" and "OAuth client ID".

Under Application type select Web Application and supply a name.

Authorized redirect URIs

For use with requests from a web server

URIs 1 *




[+ ADD URI](#)

Note: It may take 5 minutes to a few hours for settings to take effect

OAuth client created

The client ID and secret can always be accessed from Credentials in APIs & Services

 OAuth access is restricted to the [test users](#) listed on your [OAuth consent screen](#)

Your Client ID

Your Client Secret

[↓ DOWNLOAD JSON](#)

[OK](#)

Under Authorized redirect URIs you will need to add the redirect URI for the ScannerVision server.

A partial URI is generated by the connection setup in ScannerVision.

If the VM or server that ScannerVision is running on sits on a domain, it is recommended to use **https://devicename.domain:port/oauth2/callback**

Alternatively, if there is no domain, you can use **https://localhost:port/oauth2/callback**

The port value is only required when not using the default SSL port 443 or non-SSL port 80.

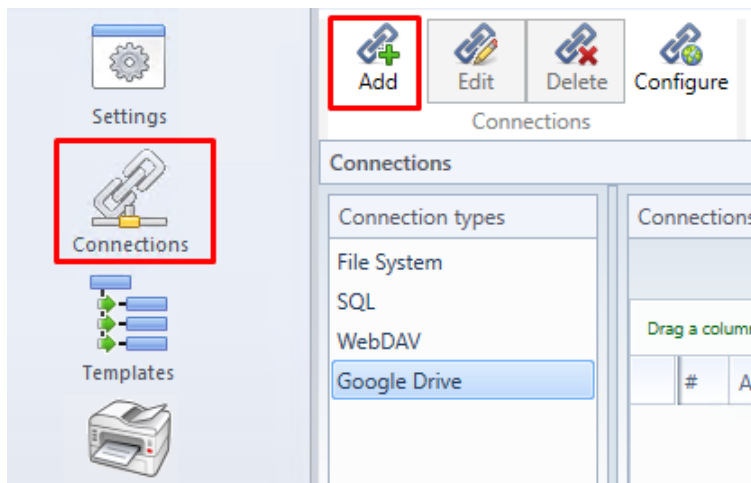
Once added, select "Create".

Your app Client ID and Client Secret will be displayed.

This will need to be copied to the Google Drive connection setup which is covered next.

ScannerVision™

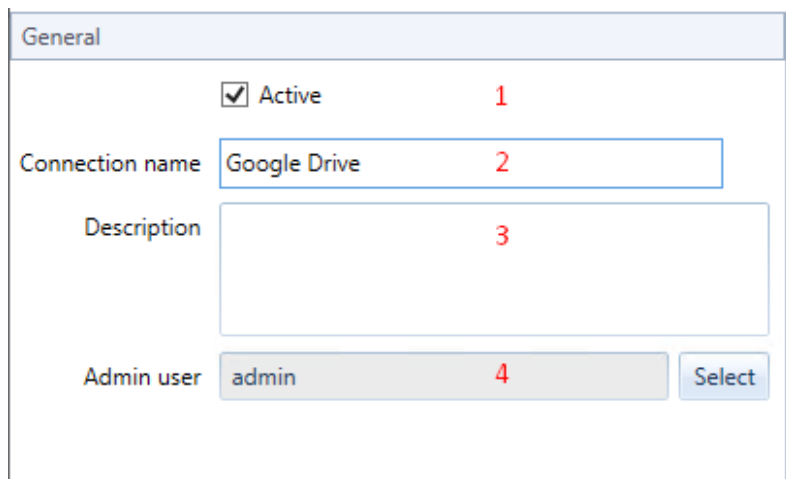
Google Drive Configuration



Connection Settings

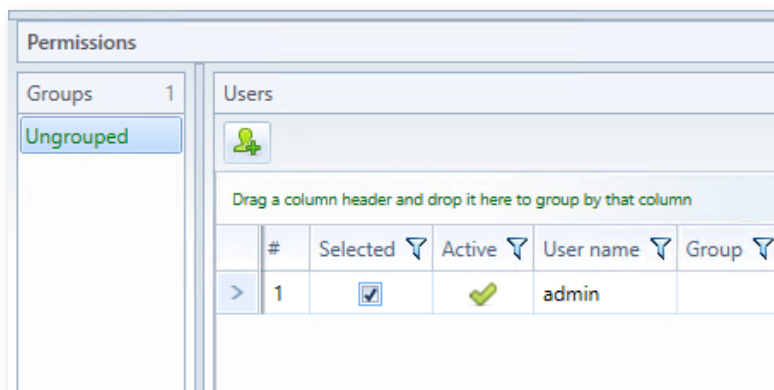
Under the Connections section select Google Drive and click Add.

This will open the setup window for a new Google Drive connection.



Under General

1. Ensure the Active checkbox is enabled
 2. Give the connection a unique name so it can be identified easily on the connector setup
 3. Optional. Give a description for the connection
 4. Select an Admin user to be used for the connector configuration
-



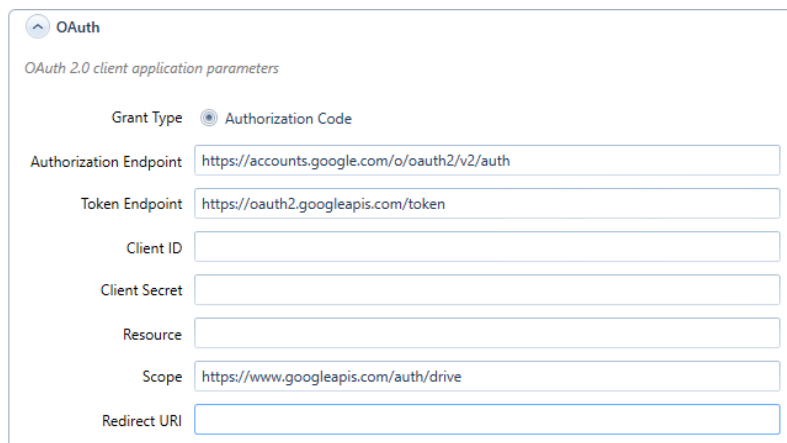
Under Permissions

1. Select the group (if configured) of users which should be allowed to upload to Google Drive.

(If not configured, users will be shown under Ungrouped and must be configured individually)

2. Select the checkbox until a tick is displayed. This enables permission for the user to see the connection.

If the checkbox is unchecked, the user does not have permission. If a dash is shown and the user is part of a group, the user will inherit the permission set at group level. Please refer to the ScannerVision User Manual for additional information related to Connection permissions.



Under OAuth, the Authorization Endpoint and Token Endpoint fields will automatically be populated.

Copy in the Client ID and Client Secret from your app.

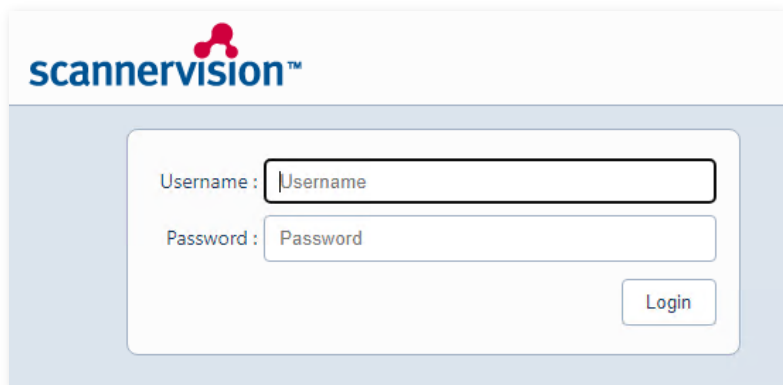
Resource can be left blank.

Scope is automatically populated.

The Redirect URI field will be partially populated. If you have a top-level domain, add it to the URI, if not, change it to localhost.

Once the necessary information has been completed, select Save.

Connection Configuration



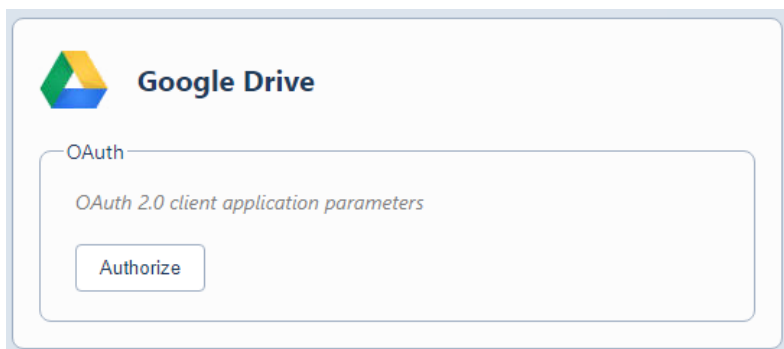
The image shows the ScannerVision login interface. At the top left is the ScannerVision logo. Below it is a light blue box containing a login form. The form has two input fields: 'Username' and 'Password'. The 'Username' field contains the text 'Username' and the 'Password' field contains the text 'Password'. To the right of the 'Password' field is a 'Login' button.

Back on the Connections screen, select the Google Drive connection which was just created and click on Configure.

NB: the ScannerVision Networking Service must be running for the next steps.

This will open a web page with a login page.

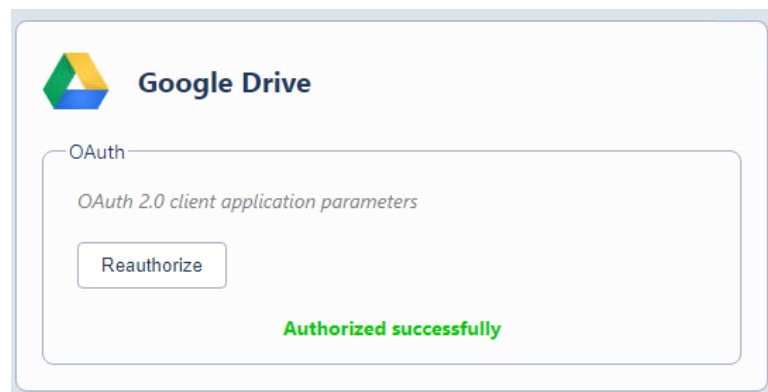
Enter the Username and Password of the Admin user which was selected for the Google Drive connection and click Login.



The image shows the Google Drive OAuth 2.0 client application parameters screen. At the top left is the Google Drive logo. Below it is the text 'Google Drive'. Underneath is the text 'OAuth' and 'OAuth 2.0 client application parameters'. At the bottom is an 'Authorize' button.

If permissions have been setup correctly, the Google Drive connection will appear once logged in, under the name specified for the connection.

If the connection does not appear, close the browser, and restart the ScannerVision Networking Service before logging in again.

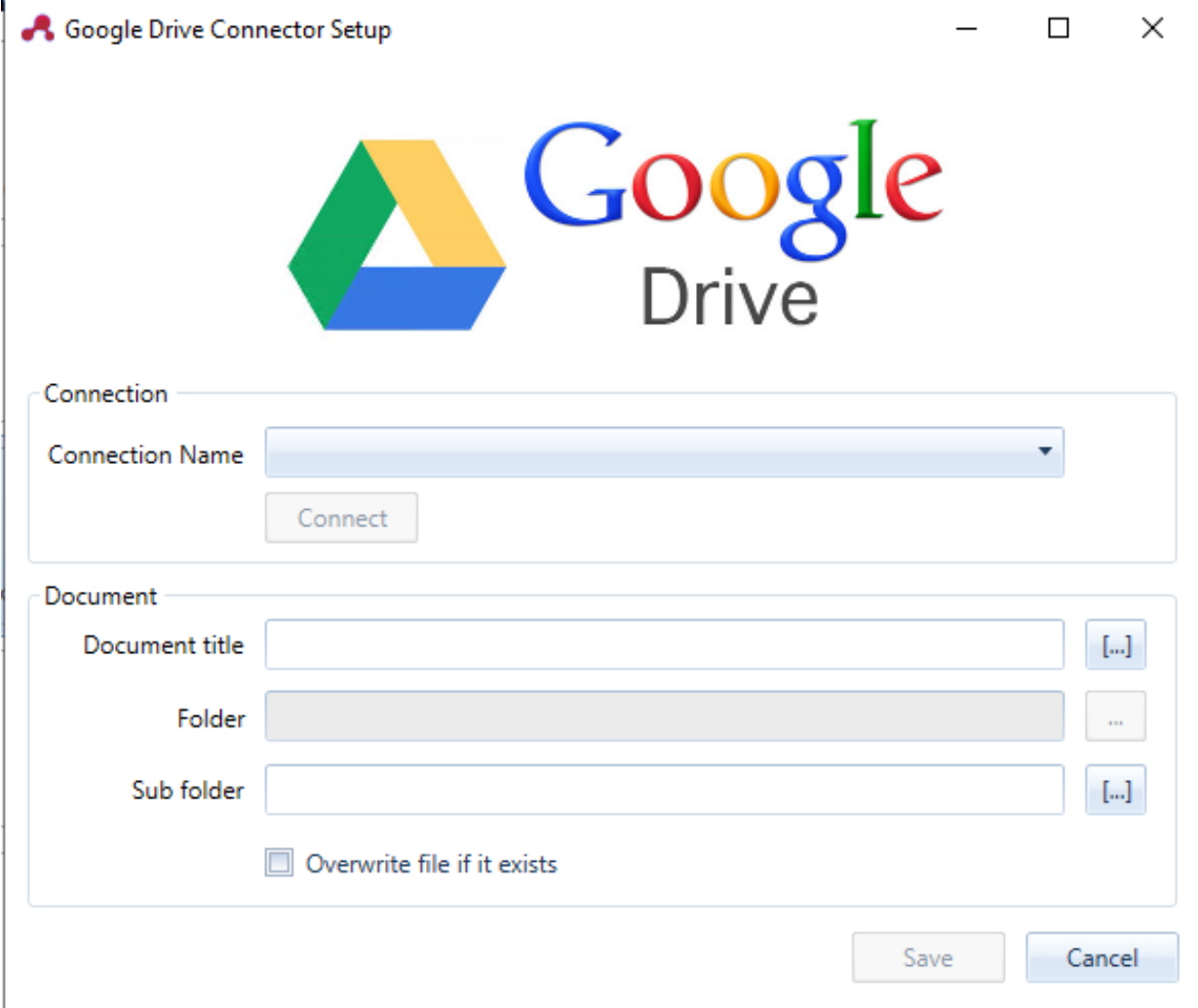


The image shows the Google Drive OAuth 2.0 client application parameters screen after successful authorization. At the top left is the Google Drive logo. Below it is the text 'Google Drive'. Underneath is the text 'OAuth' and 'OAuth 2.0 client application parameters'. At the bottom is a 'Reauthorize' button. At the bottom right, the text 'Authorized successfully' is displayed in green.

An Authorize button will be shown under the connection. When clicking on Authorize, you will be taken to the login screen for Google to authorize your account. This will also include any 2FA that is required. Once you have successfully authorized, you will be taken back to the Configuration web page and a message will show "Authorized successfully". The button will have updated to say Reauthorize. Click Save, then logout or close the browser.

Google Drive Connector Setup

On the template, click and drag over an instance of the Google Drive connector and click on Configure. This will open the Google Drive connector setup screen.



The screenshot shows a window titled "Google Drive Connector Setup". At the top left is the Google Drive logo, and to its right is the text "Google Drive". Below this, the window is divided into two main sections: "Connection" and "Document".

Connection Section:

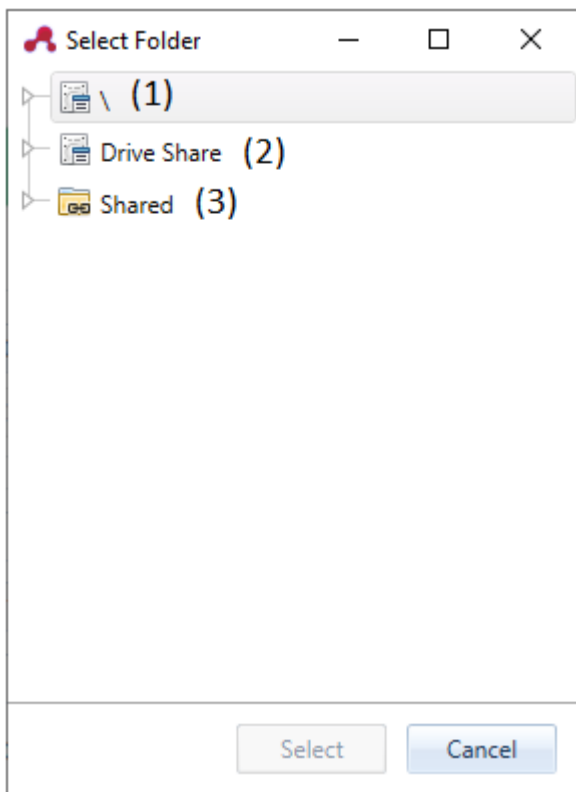
- Contains a "Connection Name" dropdown menu.
- Below the dropdown is a "Connect" button.

Document Section:

- Contains a "Document title" text input field with a "[...]" button to its right.
- Contains a "Folder" text input field with a "[...]" button to its right.
- Contains a "Sub folder" text input field with a "[...]" button to its right.
- At the bottom of this section is a checkbox labeled "Overwrite file if it exists".

At the bottom right of the window are two buttons: "Save" and "Cancel".

Under Connection Name, choose the name of the connection which was created for Google Drive and click Connect. If connection is successful, you will be able to enter Document details and choose a folder for upload.

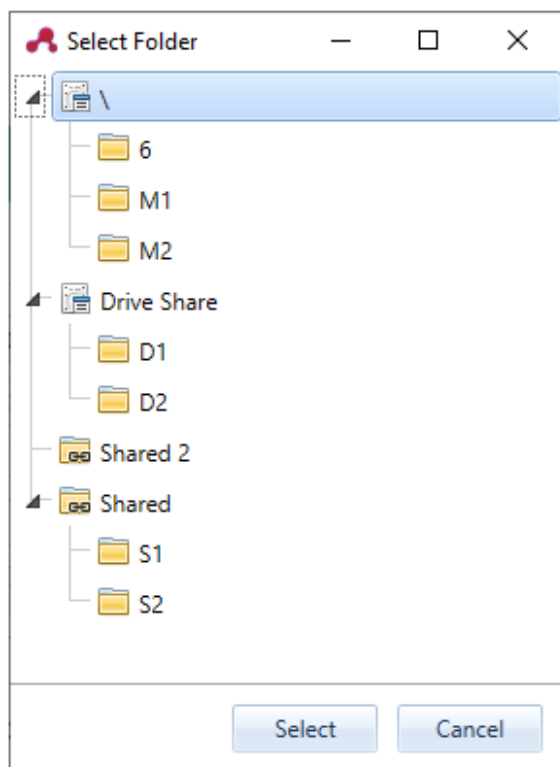


1. Document Title will be the name of the document uploaded to Google Drive.
2. Folder will be the folder where the document will be uploaded to within the chosen drive.
3. Subfolder is optional and can be used to create a subfolder structure.
4. Overwrite file if it exists will overwrite a file which has the same name as specified in Document Title.

The folder window has been updated to show:

1. Root of the drive you are connected to and subfolders.
2. Shared drives and subfolders.
3. Shared folders and subfolders.

Once setup is complete, click Save. Click Apply settings to save changes made to the template.





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