

Integrate UiPath with G Suite

What is G Suite?

G Suite Basic edition is a suite of **collaborative productivity apps** that offers your business professional email, shared calendars, online document editing and storage, video meetings, and much more.

G Suite provides access to a core set of apps that include Gmail, Calendar, Drive, Docs, Sheets, Slides, Forms, Google+, Hangouts Meet, Hangouts Chat, Sites, and Groups.

G Suite of Google application that brings together essential services to help your business

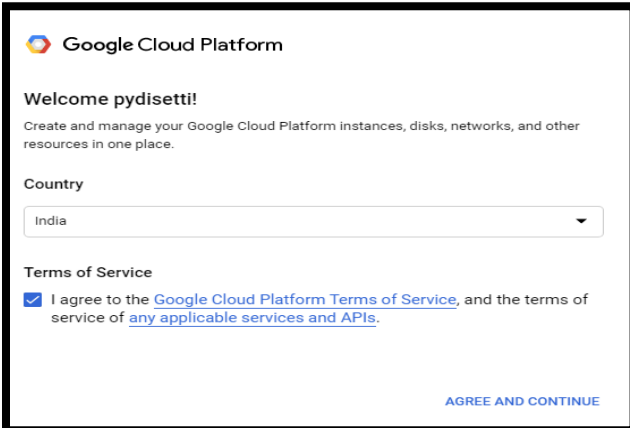
There are two configuration steps:

1. Enable APIs - this step enables automation by granting API access to your Google G Suite applications.
2. Create credentials - this specifies the authentication type used to interact with your enabled APIs.

Step1

<https://console.developers.google.com>

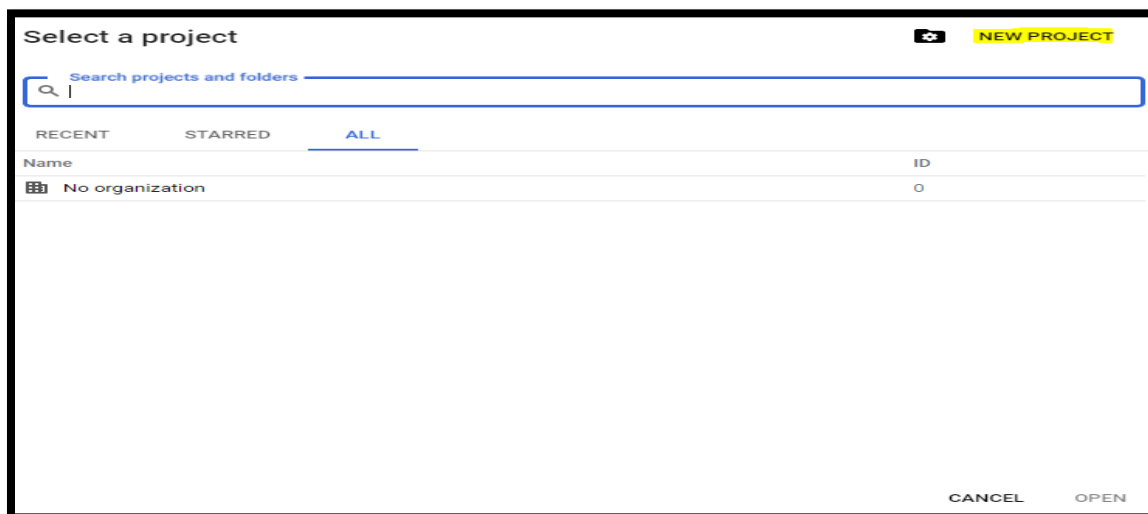
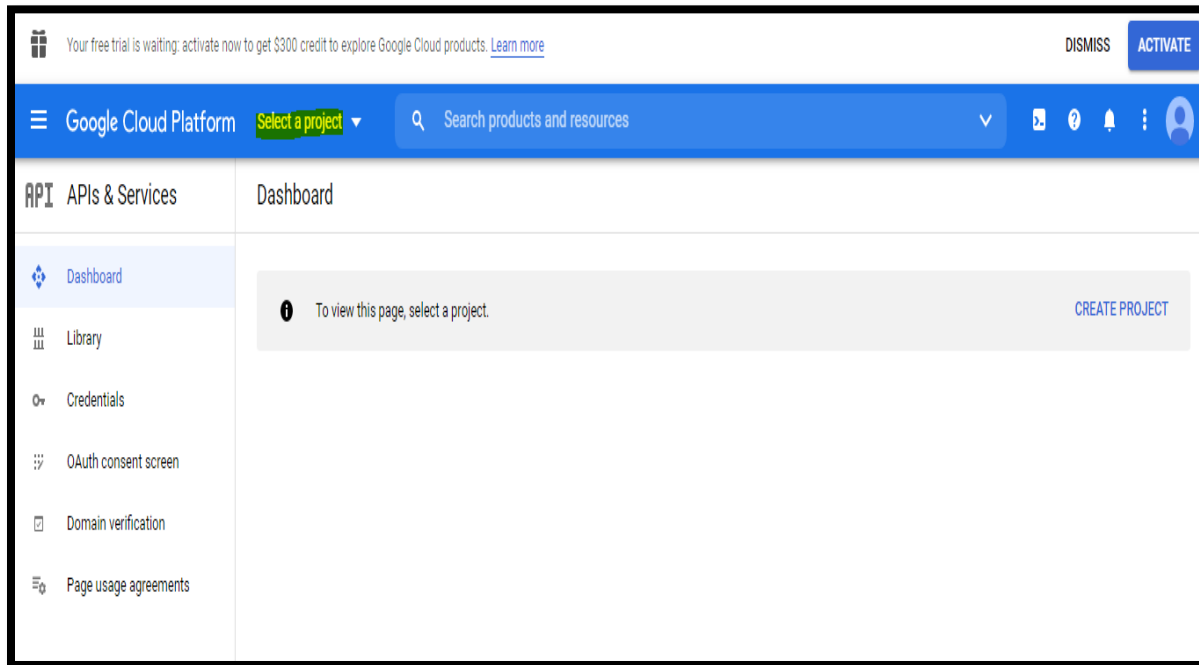
Login with you gmail Account,click on check box and click on agree and continue



The screenshot shows the Google Cloud Platform welcome interface. At the top, it says "Google Cloud Platform". Below that, it says "Welcome pydisetti!" and "Create and manage your Google Cloud Platform instances, disks, networks, and other resources in one place." There is a "Country" dropdown menu with "India" selected. Below that, there is a "Terms of Service" section with a checked checkbox and the text "I agree to the [Google Cloud Platform Terms of Service](#), and the terms of service of [any applicable services and APIs](#)." At the bottom right, there is a button that says "AGREE AND CONTINUE".

Step2

In the Dashboard page click on Select a project and click on New Project



Give the Project Name and Click on Create

Google Cloud Platform

Search products and services

New Project

Warning: You have 12 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)
[MANAGE QUOTAS](#)

Project name *
UiPath-DemoProject

Project ID: uipath-demoproject-324107. It cannot be changed later. [EDIT](#)

Location *
No organization [BROWSE](#)

Parent organization or folder

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

After Creating the Project we will get the Notification that your project is created

Notifications

Create Project: UiPath-DemoProject Just now

[SELECT PROJECT](#)

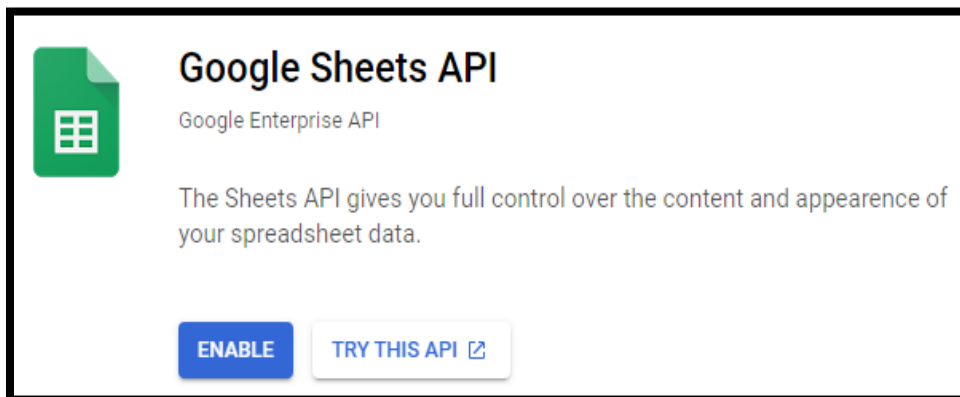
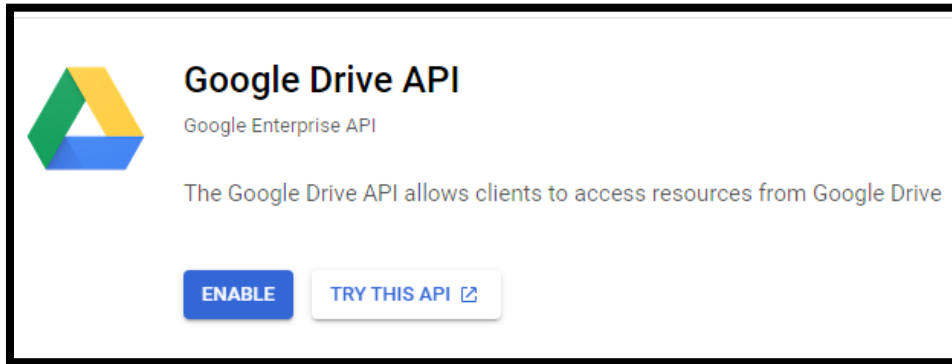
[SEE ALL ACTIVITIES](#)

Step3

Library Section contains different Applications we have to enable two thinks for performing this activities. we are working with Google Sheets, Google drive so we have enable this Applications in Library

Based on our requirements we have to enable applications in Library

Enable Google Drive API , Google Sheets API in the Library because I am working on this two applications



Step4

Go to OAuth consent screen and select external for User type and create

Google Cloud Platform

UiPath-DemoProject

Search products and resources

API

APIs & Services

Dashboard

Library

Credentials

OAuth consent screen

Domain verification

Page usage agreements

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

1 OAuth consent screen

2 Scopes

3 Test users

4 Summary

App information

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

App name *

UiPath-DemoProject

The name of the app asking for consent

User support email *

srujana13a5@gmail.com

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.

App domain

To protect you and your users, Google only allows apps using OAuth to use Authorized Domains. The following information will be shown to your users on the consent screen.

Application home page

Provide users a link to your home page

Application privacy policy link

Provide users a link to your public privacy policy

Application terms of service link

Provide users a link to your public terms of service


Authorized domains

When a domain is used on the consent screen or in an OAuth client's configuration, it must be pre-registered here. If your app needs to go through verification, please go to the [Google Search Console](#) to check if your domains are authorized. [Learn more](#) about the authorized domain limit.

[+ ADD DOMAIN](#)

Developer contact information

Email addresses *

srujana13a5@gmail.com 

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

[SAVE AND CONTINUE](#)

CANCEL

Click on save and continue and below scope page will appear

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](#)

Your non-sensitive scopes

API ↑	Scope	User-facing description
No rows to display		

Your sensitive scopes

Sensitive scopes are scopes that request access to private user data.

onsent?project=uiopath-demo...	User-facing description	
--------------------------------	-------------------------	--

Your sensitive scopes

Sensitive scopes are scopes that request access to private user data.

API ↑	Scope	User-facing description
No rows to display		

Your restricted scopes

Restricted scopes are scopes that request access to highly sensitive user data.

API ↑	Scope	User-facing description
No rows to display		

[SAVE AND CONTINUE](#)

[CANCEL](#)

Click save and continue the test user page will appear

✓ 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

Click on save and continue the Summary page will appear

✓ OAuth consent screen

—

✓ Scopes

—

✓ Test users

—

4 Summary

OAuth consent screen

EDIT

User type

External

App name

UiPath-DemoProject

Support email

srujana13a5@gmail.com

App logo

Not provided

Application homepage link

Not provided

Application privacy policy link
Not provided

Application terms of service link
Not provided

Authorized domains
Not provided


Contact email addresses
srujana13a5@gmail.com


Scopes [EDIT](#)

API ↑	Scope	User-facing description
No rows to display		

ds

Test users [EDIT](#)

 0 users (0 test, 0 other) / 100 user cap [?](#)

 **Filter** Enter property name or value [?](#)

User information

No rows to display

[BACK TO DASHBOARD](#)

Step5

Go to credential and click on create credentials

API Key

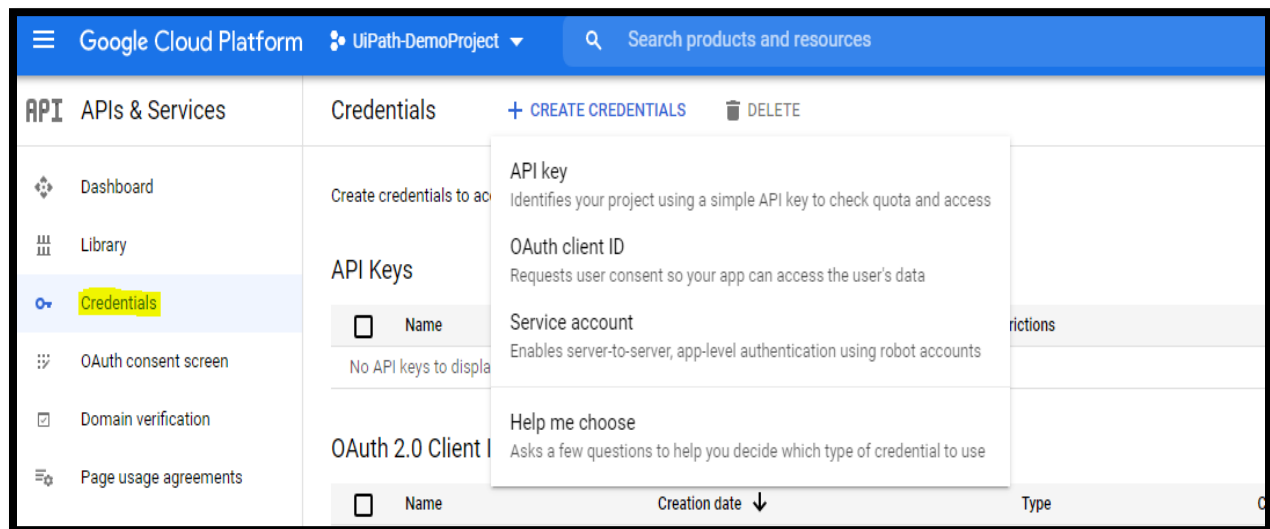
An API Key is the simplest authentication mechanism but can be used only with the Google Sheets activity

OAuth Client ID

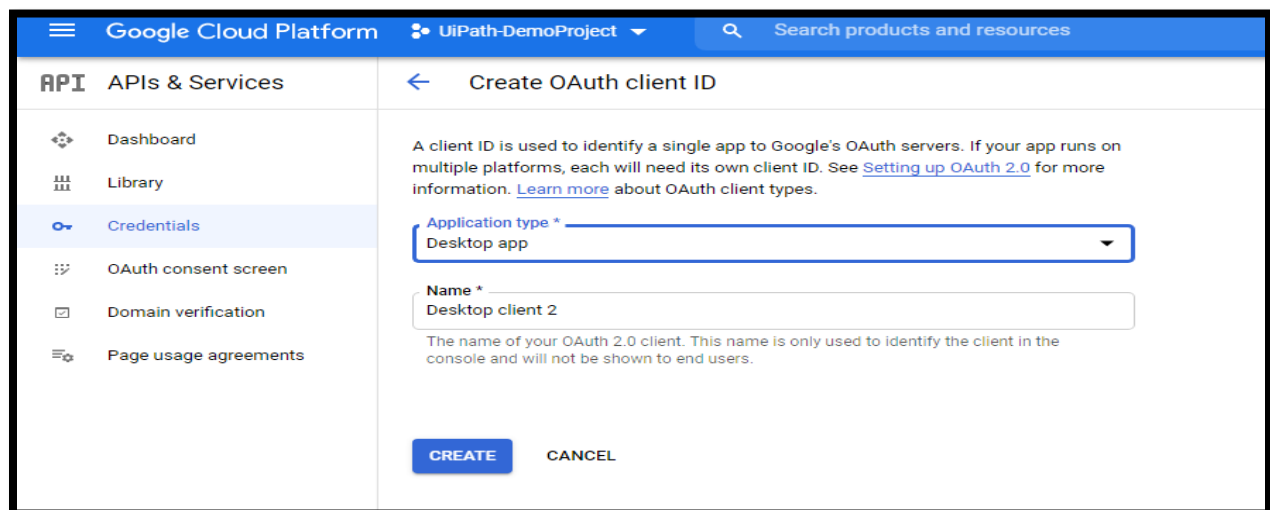
The OAuth Client ID method works with all G Suite services. It is recommended for attended automation because user consent is required before the robot can access your Google Account.

Service Account key

A Service Account key is a special type of Google account that belongs to your application instead of to an individual end-user. Your application calls Google APIs on behalf of the service account, so users aren't directly involved.

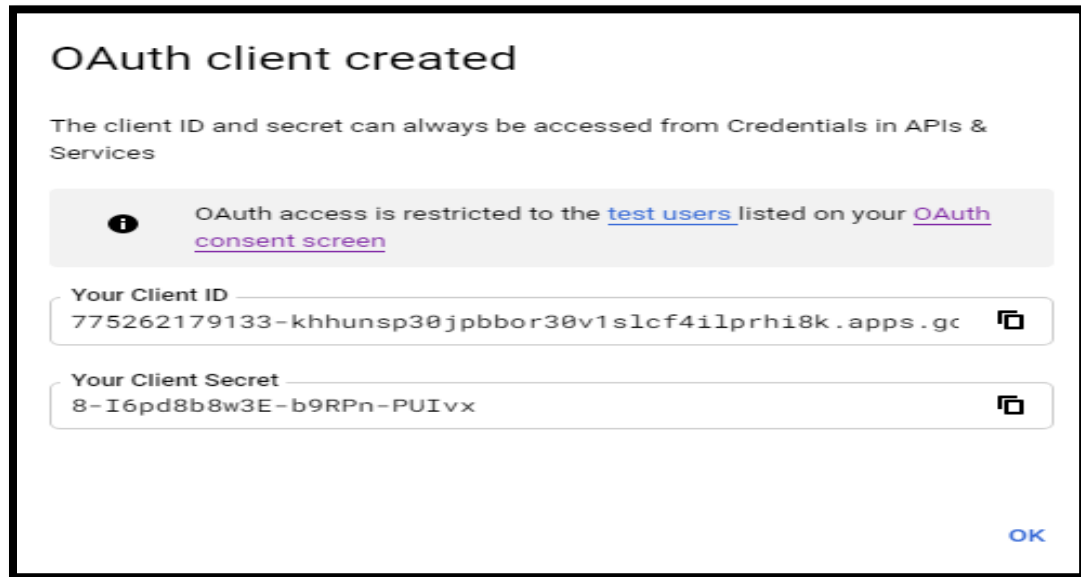


Select OAuth Client ID



We are using Desktop App so I take Application Type as I selected here Desktop App

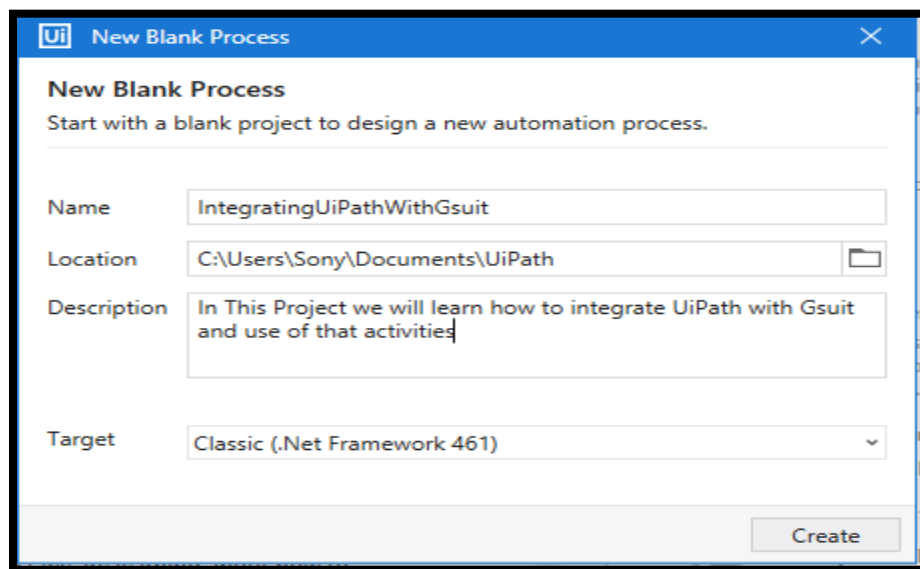
And we can change the name or otherwise we can keep it



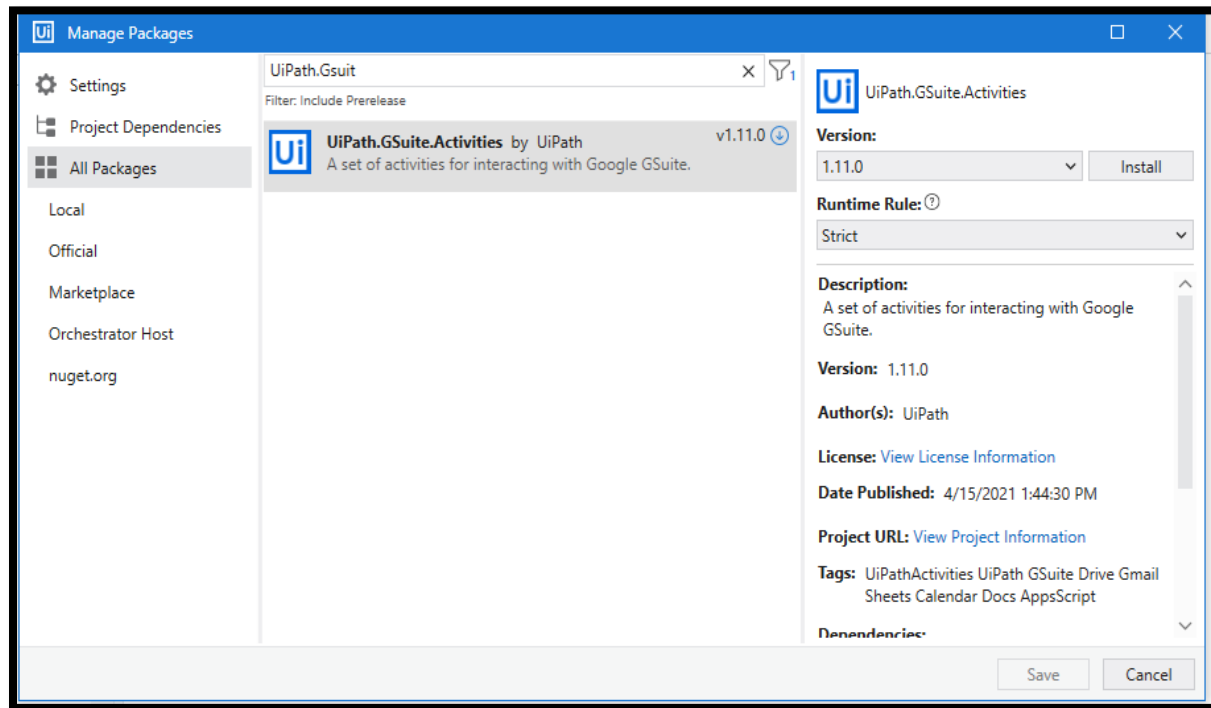
OAuth Client is created and this is our OAuth Client Id,Client Secret we will use if further inside our UiPath

Step6

Create New project in UiPath



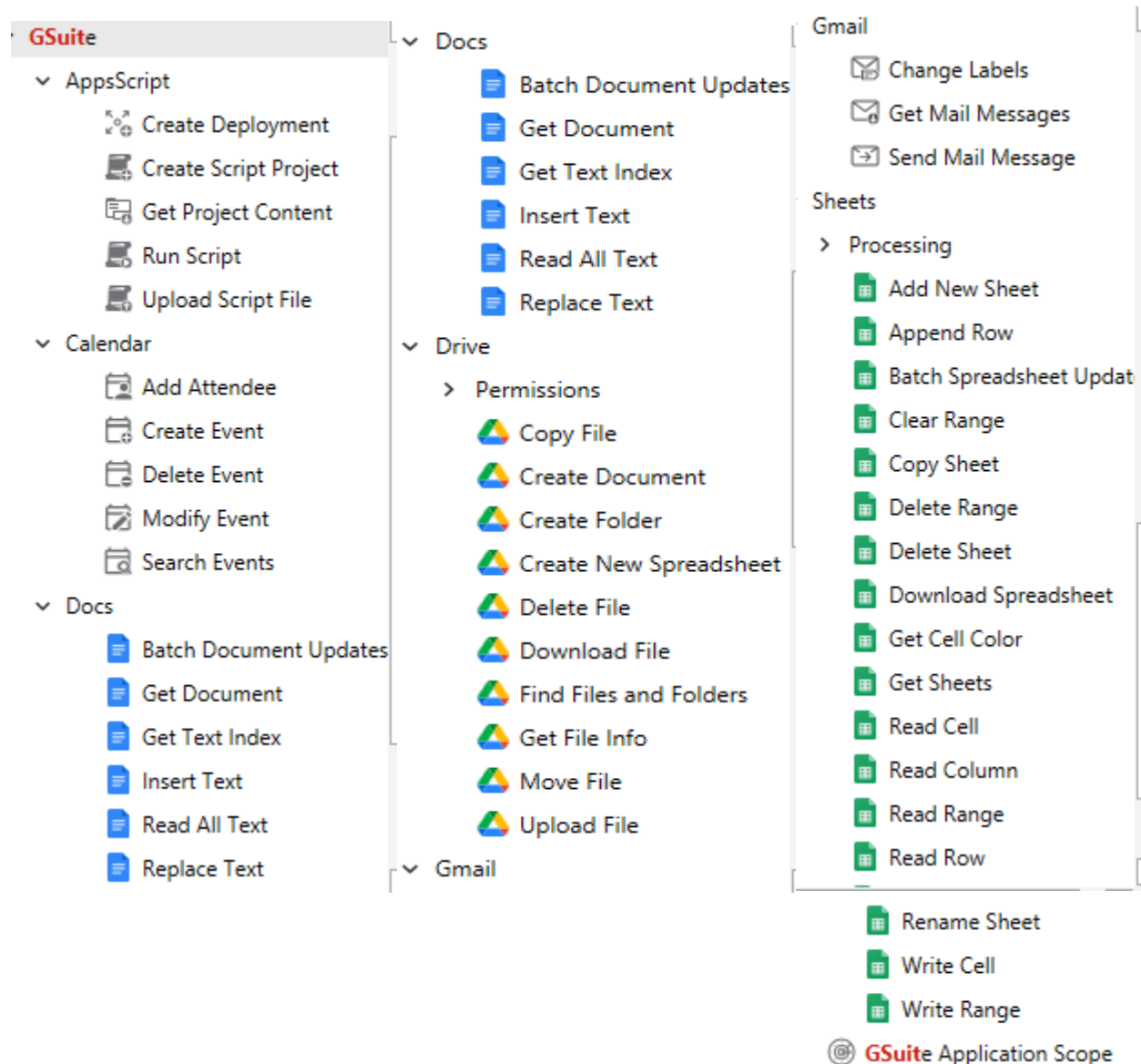
Go to Manage Package→All Packages→UiPath.G Suite.Activities and Install and save



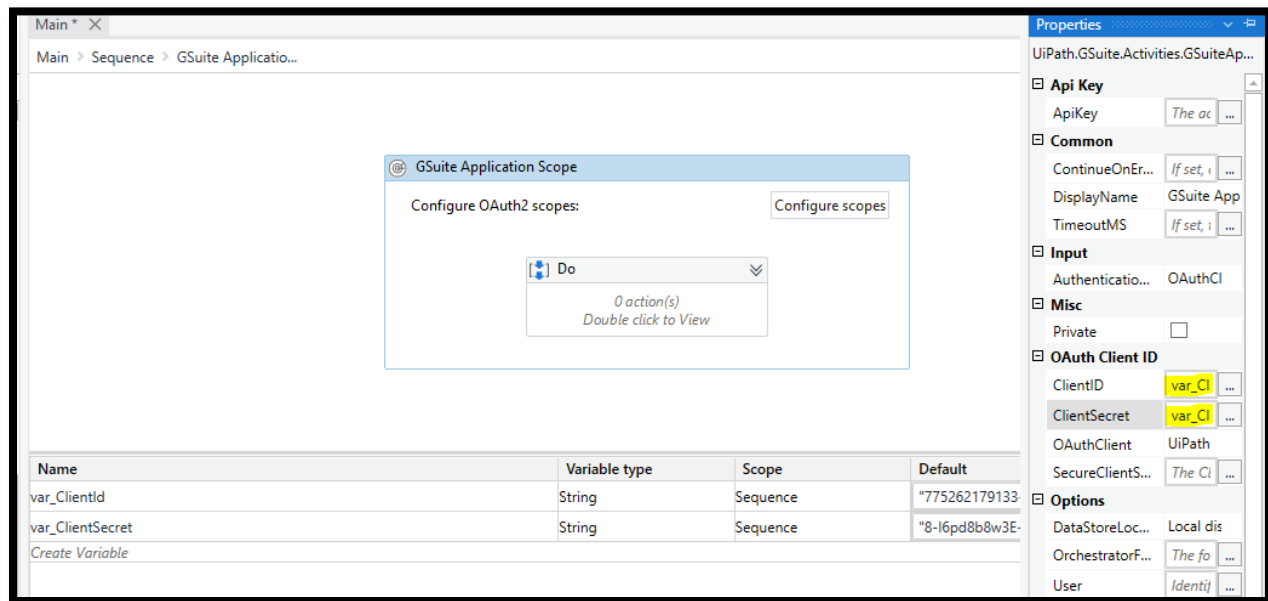
Below All are the Activities present in Uipath.G Suite.Activities

Based on our requirements we can use those activities

With the Google G Suite Activities Package, you can create & modify Google Calendar events, manage Google Drive files, read & send GMail messages, create new Google Sheet spreadsheets, and Google Docs documents.



In order to use G Suite Activities first we should use G Suite Application Scope and provide ClientId, Client Secret, and Input Authentication Type → OAuth Client ID

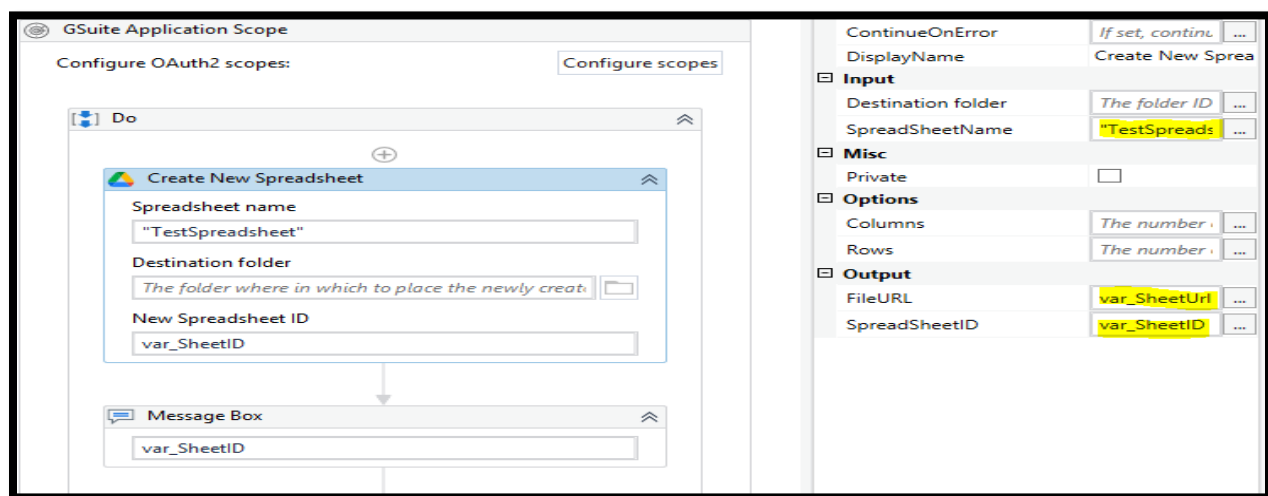


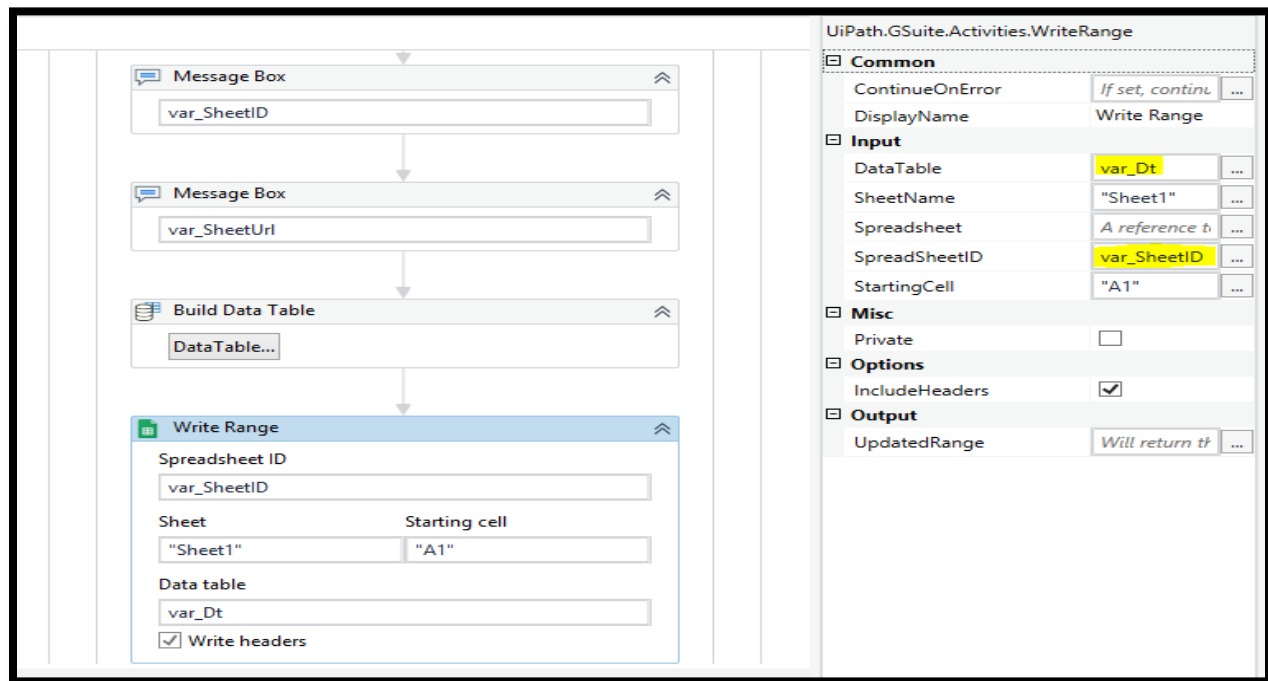
Simple UseCase

Create SpreadSheet in google drive by using Create New SpreadSheet Activity which is present in UiPath.G Suite.Activity Package

By using Build Data Table Activity create a data table

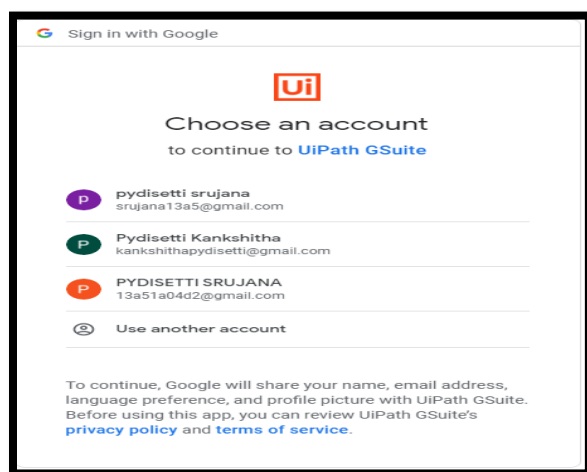
By using Write Range Activity in UiPath.G Suite.Activities Package we have written the data in that spreadsheet

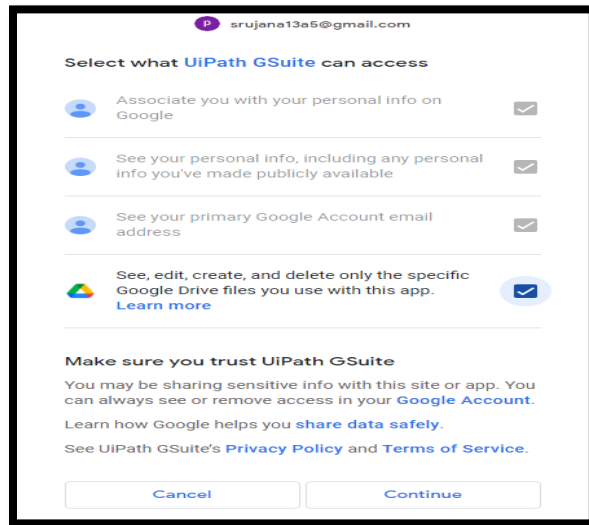




If are running the process for the first time it will ask for authentication give your mail id and password

After Running the process we can find that SpreadSheet in your Google Drive with that data which you provided in build data table





When you search that SpreadSheet which I created in google drive it will appear and this is the output my use case

A screenshot of a Google Spreadsheet titled 'TestSpreadsheet'. The spreadsheet has columns A through L and rows 1 through 13. The data is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L
1	ID	Name										
2		1 Srujana										
3		2 sudheer										
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												

For any RPA Implementations/ resources in your organization please reach out to rpa@gxplabs.com