Google Workspace

Project name: Google Suite – Design Studio

Package Version: 1.0.0

THE BEST RUN SAP

Version of document	Date	Description
0		Document created
1		Add automations with Docs and Slides

TABLE OF CONTENTS

INTRODUCTION

This document describes the SAP Build Process Automation sample **Google Workspace** and provides the following information:

- Description (functional and technical)
- Version used to generate this sample

It also contains information on prerequisites, such as the steps to follow before launching the agent.

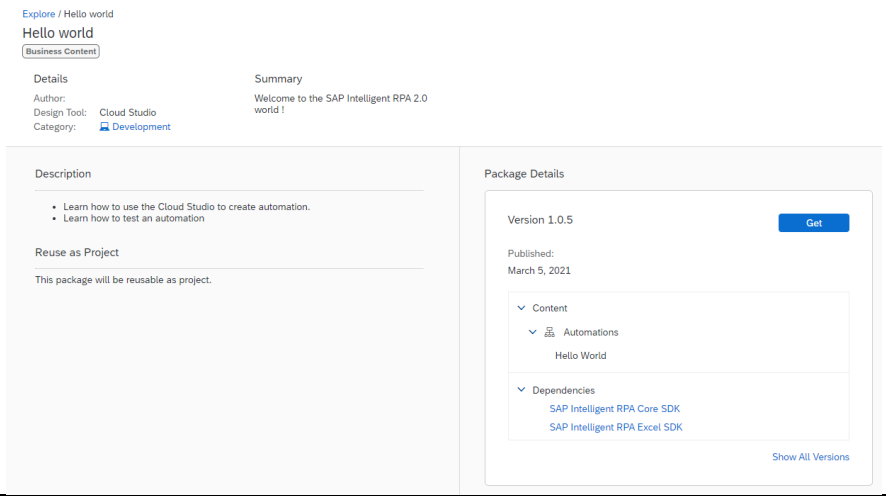
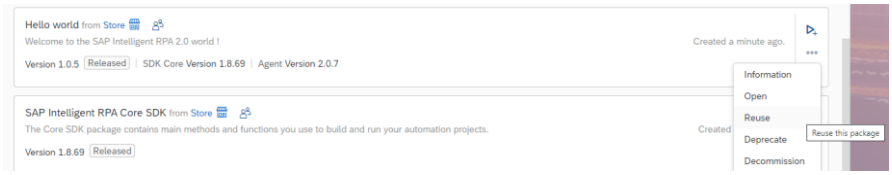
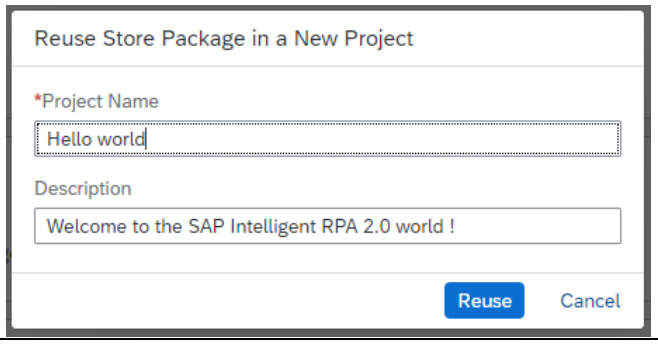
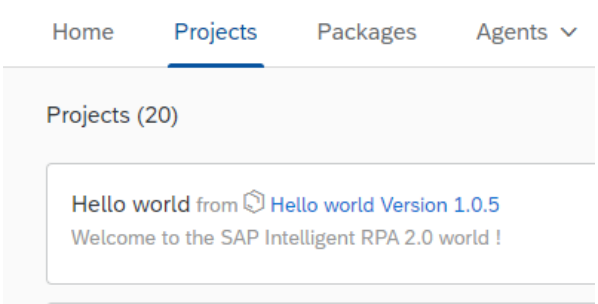
IMPORTANT RECOMMENDATION

General

To use this sample, you need to have a basic knowledge and understanding of SAP Build Process Automation tool. At the very least you need to know how to build an automation, add and modify activities and generate a package.

Reuse the sample as a new project

Note: screenshot might display a different name than the one of this sample.

From the Cloud Factory, open the Store tab and select the sample you want to retrieve. Click on the **Get** button.	
Once the package is retrieved, open the Packages tab of the Cloud Factory. Click on the Options button of the package you just retrieved and select the option **Reuse**.	
Set a name for the project to be created.	
Open the project that has just been created.	
If needed, update the content of this project, and generate a new package from it.	

You need to execute this procedure to be able to open the project and see all its content (the captured applications, the declared items, the automations, etc.).

DESCRIPTION

This package contains captures, datatype and automations that are described below. See chapter Version for more details about the version of the Desktop Agent and the SDK dependencies.

Settings

This section describes the settings of the project such as environment variables or dependent packages that are used in the automation.

Environment variables

Name	Description	Type
serviceAccountKeyPath	Path to access Service Account key	String
userMail	Mail address of the user used to authenticate to the Google service	String

Dependent packages

N/A

Captures

This section describes the captures which were made to pilot the application in this sample. It will also describe the different methods which were used to capture the pages and declare the items.

N/A

Datatypes

This section describes the datatype used in this sample. It describes the structure of the datatype and where it is used in the automations.

Alerts

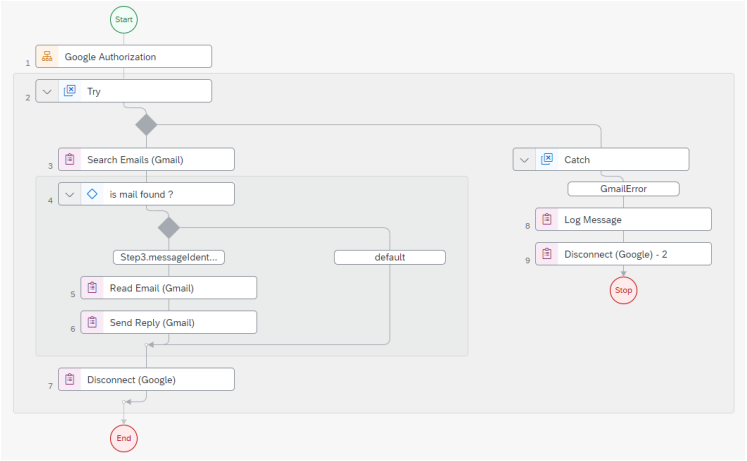
This section describes the alerts used in this sample. It describes the structure of the alert.

N/A

Automations

Google Workspace - Gmail

Type: Unattended
Input: searchSubject (String), searchFrom (String)
Output: N/A



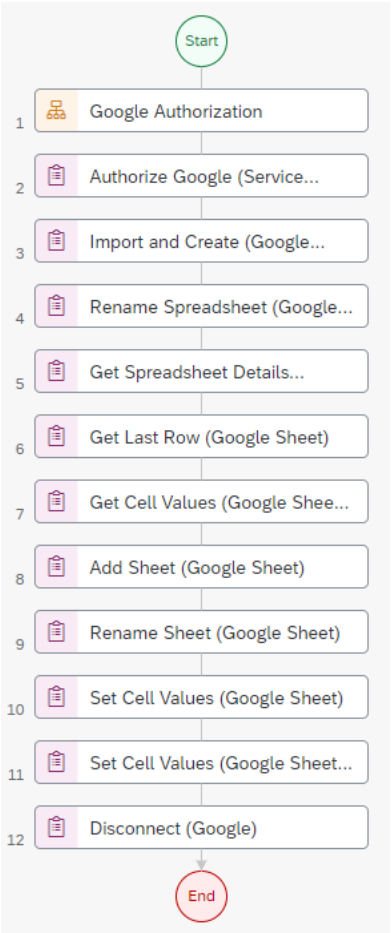
This is a simple automation created to showcase Gmail activities.

Automation **Gmail** is responsible to authorize Google via Service Account. Environment variable **serviceAccountKeyPath** and input parameter **userEmail** are passed in this step. After successful connection, user will search for a specific mail with a specific subject and sender. **Search Emails (Gmail)** activity uses input parameters **searchSubject** and **searchFrom**.

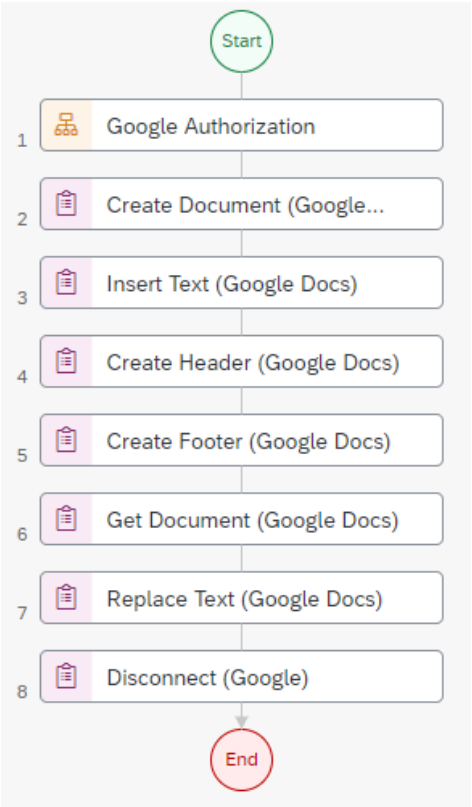
If the mail is found, then automation reads the mail contents and store the content to Drive, sends a reply back to

	the sender confirming the mail receipt and finally, disconnects from Google account. If the mail is not found, then the automation logs message with error details and disconnects from Google account.

Google Workspace - Sheets
Type: Unattended
Input: excelPath (String)
Output: N/A

	This is a simple automation created to showcase Google Sheet activities. Automation **Google Sheets** is responsible to authorize Google via Service Account. Environment variable **serviceAccountKeyPath** and input parameter **userEmail** are passed in this step. After successful connection, user needs to import an excel from local filesystem and create a Google Spreadsheet. Rename the Spreadsheet to **OrderDetails** and get the details. Use case is to copy the first column (Order Id) from the Spreadsheet and paste it in new sheet within the same spreadsheet. Create a new column in newly created sheet and update the column with latest order status. Number of orders in the sheet are fetched using Get Last Row and Order Id values are retrieved by activity Get Cell Values. Next, a new Sheet is added and renamed to **UpdatedOrderStatus**. Use Set Cell Values activity to set the cell values with Order ID and updated Status. Finally disconnect from Google account.

Google Workspace - Docs
Type: Unattended
Input: N/A
Output: N/A



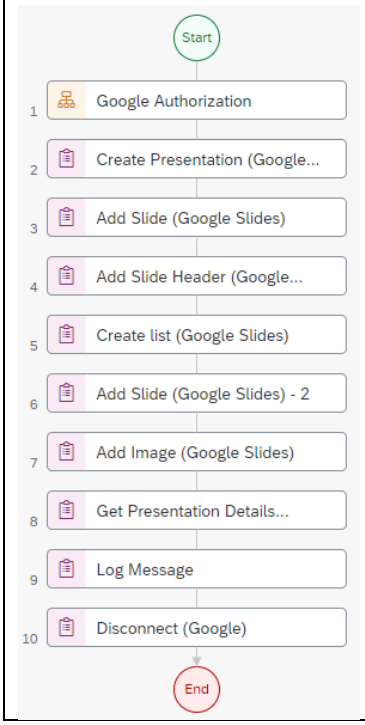
This is a simple automation created to showcase Google Docs activities.

Automation **Google Docs** is responsible to authorize Google via Service Account. Environment variable **serviceAccountKeyPath** and input parameter **userEmail** are passed in this step.

After successful connection, some Google Docs document is created, with some header and footer. The bot will automatically write some text and also replace some words.

Finally disconnect from Google account.

Google Workspace - Slides
Type: Unattended
Input: N/A
Output: N/A



This is a simple automation created to showcase Google Docs Slides.

Automation **Google Docs** is responsible to authorize Google via Service Account. Environment variable **serviceAccountKeyPath** and input parameter **userEmail** are passed in this step.

After successful connection, some Google Slides document is created. The bot will create new slides, insert lists, and images.

Finally disconnect from Google account.

VERSION

The product versions used to generate this sample are detailed below. This sample is provided “as is”, with no warranty that it will work correctly with other versions. If some versions of your software are different (such as the tool version or the target application version), you may need to recapture the application and/or update the workflow activities.

SAP Intelligent RPA/ SAP Build Process Automation

This sample targets the Desktop Agent **3.7** or higher.

The following SDK dependencies were used to generate this sample: 1.33.42

See documentation for more details about the compatibility between SDK version and Desktop Agent.

Target application

N/A

PREREQUISITES

Global setup

SAP Intelligent Robotic Process Automation must be installed in accordance with the installation guide available here.
An SAP Intelligent RPA Factory must be available with a suitable environment (containing an agent). All information can be found in the “Getting Started” section accessible via the above link.

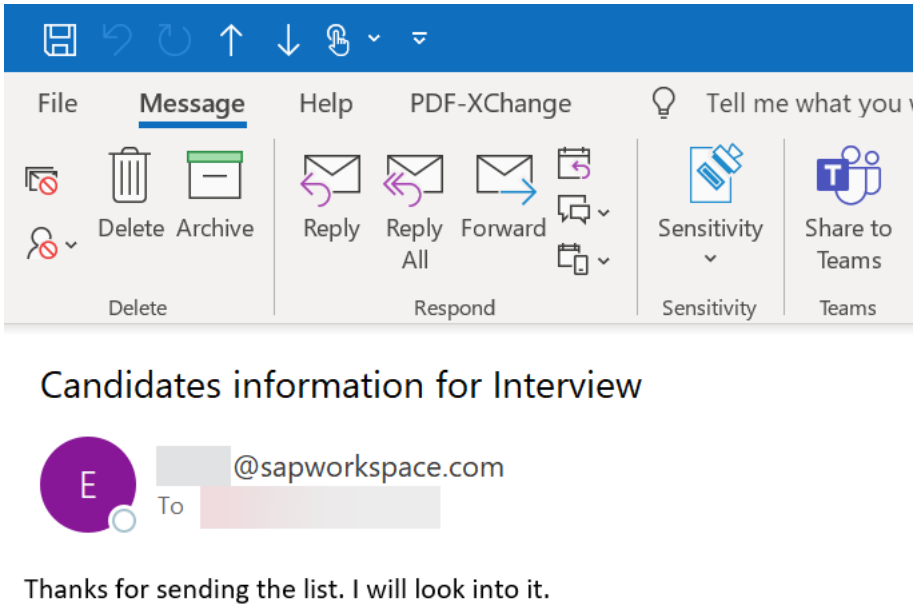
Specific steps to follow before launching the agent

You need to have an access to a Google Workspace so you can execute this automation. Please contact your IT administrator to get details.

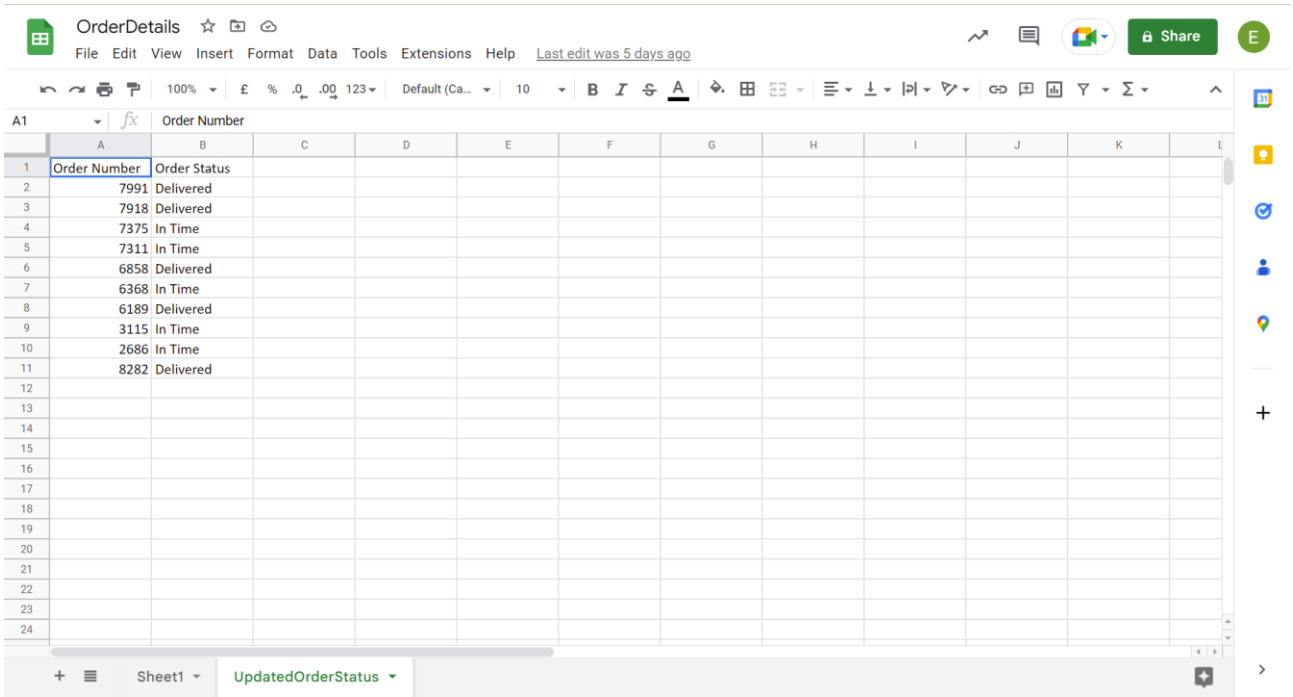
- Download the **SalesOrderDetails.xlsx** archive from the sample and extract its content
- When you deploy your automation, set the environment variables.

EXPECTED OUTPUT

Gmail



Google Sheets



www.sap.com/contactsap

THE BEST RUN SAP®