



How to use Word

Package version: 1.0.1

Version	Date	Description
1	October 08, 2021	Document created
1.1	January 04, 2022	Minor change in the main automation

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INTRODUCTION

This document describes the SAP Build Process Automation sample **Word** 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.

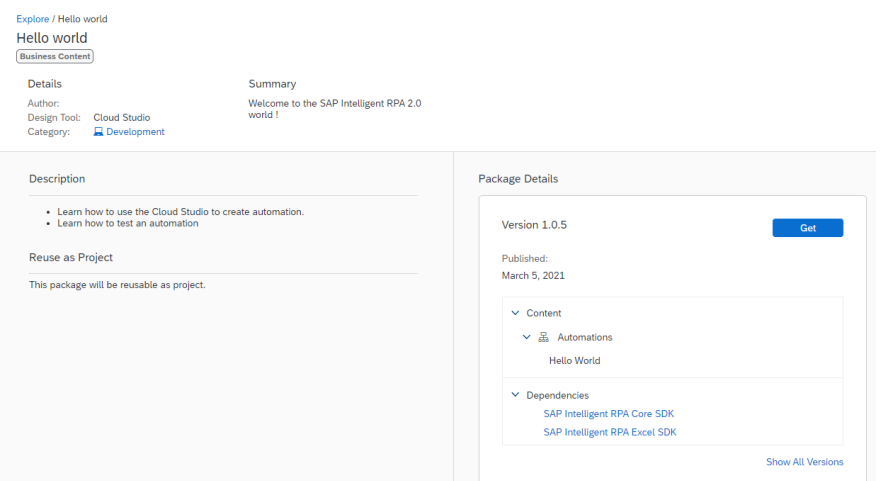
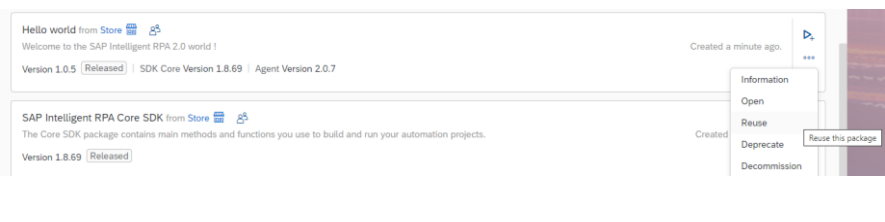
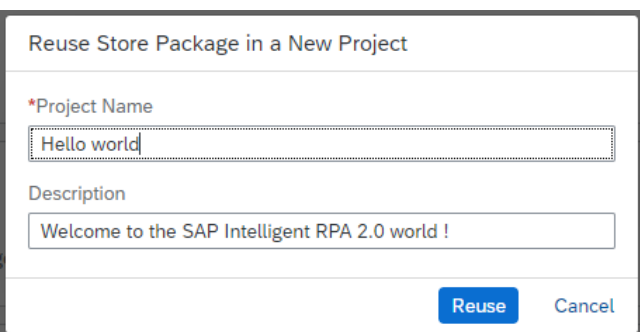
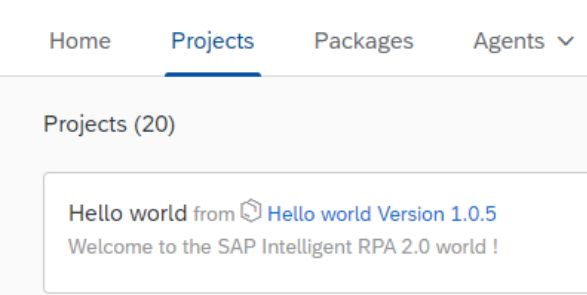
IMPORTANT RECOMMENDATION

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.

<p>From the Cloud Factory, open the Store tab and select the sample you want to retrieve.</p> <p>Click on the Get button.</p>	 <p>Explore / Hello world Hello world (Business Content)</p> <p>Details Author: Cloud Studio Design Tool: Cloud Studio Category: Development</p> <p>Summary Welcome to the SAP Intelligent RPA 2.0 world !</p> <p>Description</p> <ul style="list-style-type: none"> Learn how to use the Cloud Studio to create automation. Learn how to test an automation <p>Reuse as Project This package will be reusable as project.</p> <p>Package Details</p> <p>Version 1.0.5 Get</p> <p>Published: March 5, 2021</p> <p>Content</p> <ul style="list-style-type: none"> Automations <ul style="list-style-type: none"> Hello World <p>Dependencies</p> <ul style="list-style-type: none"> SAP Intelligent RPA Core SDK SAP Intelligent RPA Excel SDK <p>Show All Versions</p>
<p>Once the package is retrieved, open the Packages tab of the Cloud Factory.</p> <p>Click on the Options button of the package you just retrieved and select the option Reuse.</p>	 <p>Hello world from Store Welcome to the SAP Intelligent RPA 2.0 world ! Version 1.0.5 (Released) SDK Core Version 1.8.69 Agent Version 2.0.7 Created a minute ago.</p> <p>SAP Intelligent RPA Core SDK from Store The Core SDK package contains main methods and functions you use to build and run your automation projects. Version 1.8.69 (Released) Created</p> <p>Information Open Reuse Deprecate Decommission</p> <p>Reuse this package</p>
<p>Set a name for the project to be created.</p>	 <p>Reuse Store Package in a New Project</p> <p>*Project Name Hello world</p> <p>Description Welcome to the SAP Intelligent RPA 2.0 world !</p> <p>Reuse Cancel</p>
<p>Open the project that has just been created.</p>	 <p>Home Projects Packages Agents</p> <p>Projects (20)</p> <p>Hello world from Hello world Version 1.0.5 Welcome to the SAP Intelligent RPA 2.0 world !</p>
<p>If needed, update the content of this project, and generate a new package from it.</p>	

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 automations.

Environment variables

Name	Description	Type
wordFilePath	Path to access Word document	String
pdfFilePath	Path to save the pdf file	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.

Browse Orders

Screen	Description
Main List	Main page of the application. Nothing specific to declare

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.

candidateInfo

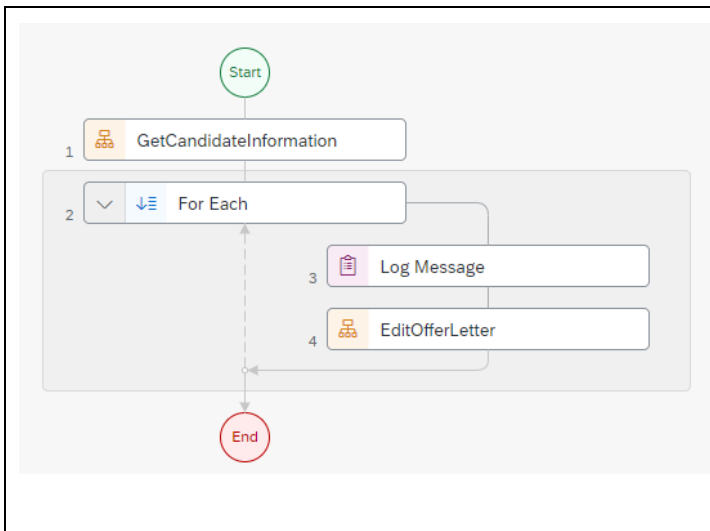
Name of attribute	Type	Description
Name	String	Name of the candidate
Position	String	Position offered to the candidate
Email	String	Email id of the candidate

Automations

Main Automation

Input: None

Output: none



This automation is the main entry point.

Automation **GetCandidateInformation** is responsible to fetch all the candidate's information from Excel file.

After the information has been received, current line item is printed using **Log Message** activity.

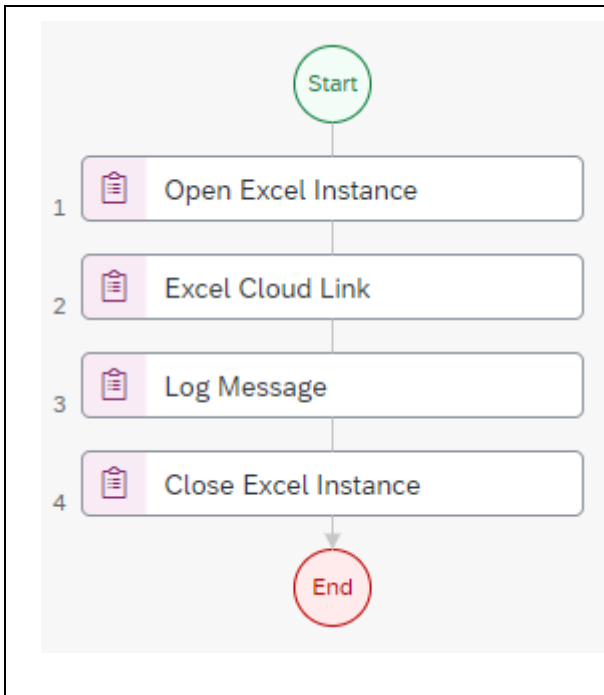
Finally, automation **EditOfferLetter** is called which is responsible for editing the offer letter in Word file, saving it as PDF and sending mail to the candidate with offer letter attached.

GetCandidateInformation

Type: Unattended

Input: N/A

Output: valuesFromExcel (*candidateInfo*)



The purpose of this automation is to retrieve candidate's information from the Excel file.

All the tasks to fetch the Excel and retrieve the data are handled by the activity **Excel Cloud Link**. The data type **candidateInfo** is used in this activity to map different fields in data type to different columns in Excel.

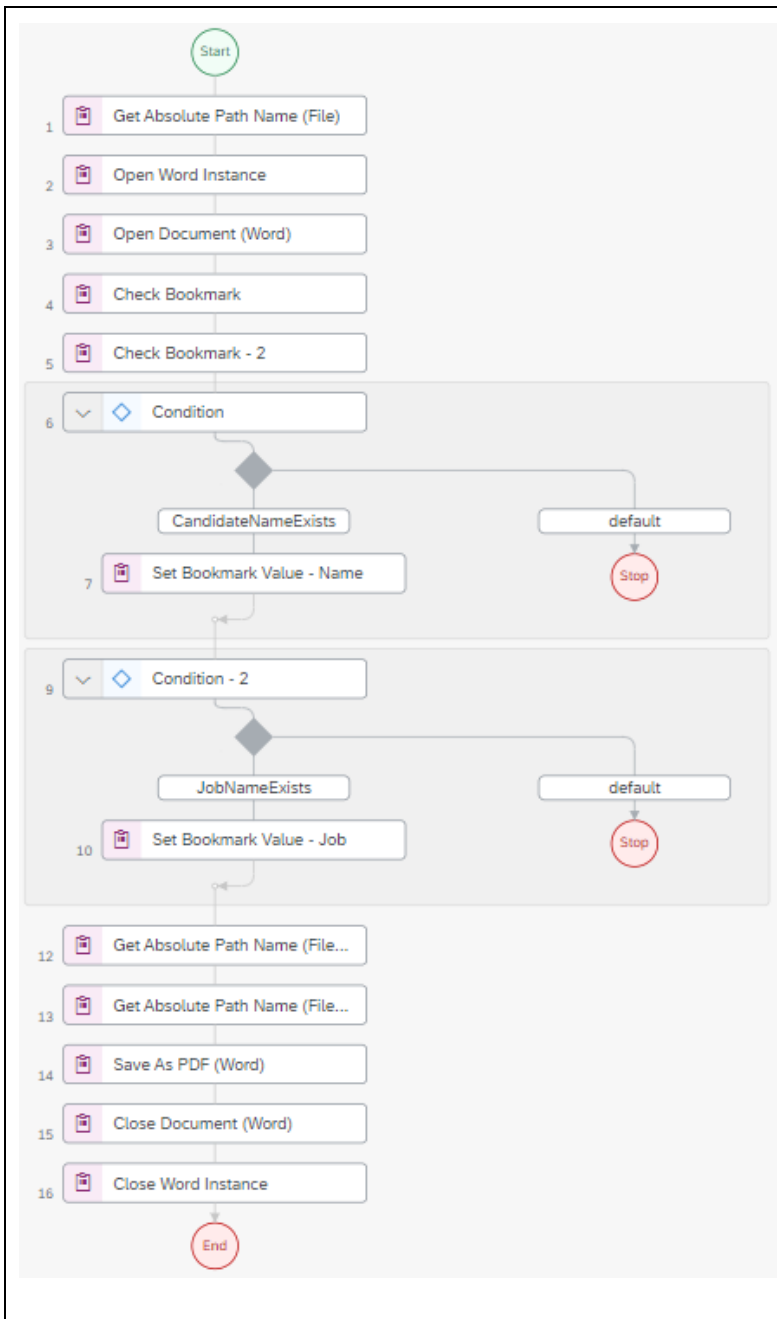
Finally, the extracted data is printed in a log message and Excel instance is closed.

EditOfferLetter

Type: Unattended

Input: candidate (*candidateInfo*)

Output: N/A



This automation allows user to edit the offer letter in Word document and saves it as a PDF document.

The Word document is opened using the path provided in environment variable **wordFilePath**. The standard template is edited with candidate's name and candidate's position.

Note: to edit the Word document, the Bookmark feature is used.

Once a value is set for the bookmark, the reference to the bookmark is deleted. That is why this Word document is not saved with the .docx extension, so it can be reopened correctly for the next iteration.

The document is saved in the path mentioned in environment variable **pdfFilePath**.

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 Build Process Automation

This sample targets the Desktop Agent **2.0.16** or higher.

The following SDK dependencies were used to generate this sample: 1.15.83

See [documentation](#) for more details about the compatibility between SDK version and Desktop Agent.

Target application

N/A

PREREQUISITES

Global setup

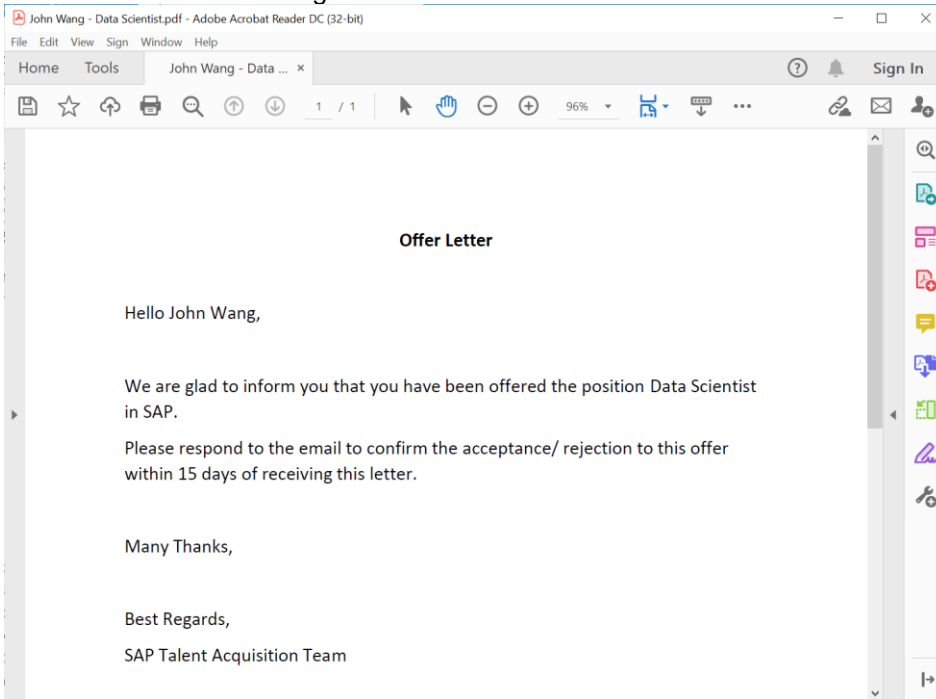
SAP Build Process Automation must be installed in accordance with the installation guide available [here](#). An SAP Build Process Automation Factory must be available with a suitable environment (containing an agent). All information can be found in the “Getting Started” section accessible via the above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

Specific steps to follow before launching the agent

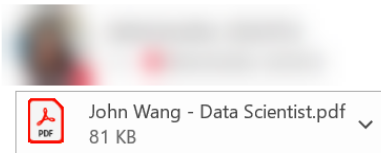
- Download the Word file from the sample, and save its location
- Download the Excel file. Open it, and set some email address in the *Mail* column
- When you deploy your automation, set the environment variable **wordFilePath** and **pdfFilePath**
 - o **wordFilePath** is the location of the Word document you downloaded
 - o **pdfFilePath** is the location where the PDF files will be generated
- When you launch the automation, set the path of the Excel file as input

EXPECTED OUTPUT

PDF document should be generated and sent to the address mentioned in the Excel file.



Offer Letter - Data Scientist



Hello John Wang,

We are glad to offer you the position Data Scientist.
Please find the offer letter enclosed.

Many Thanks,

Best Regards,
SAP Talent Acquisition Team

www.sap.com/contactsap

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