



How to use subscreens

Package version: 1.0.1

Version	Date	Description
1	August 23, 2021	Document created

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INTRODUCTION

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

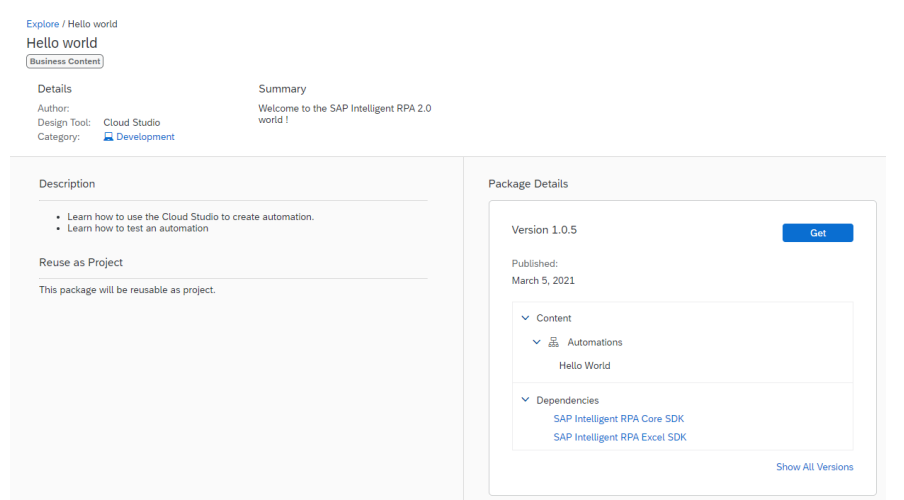
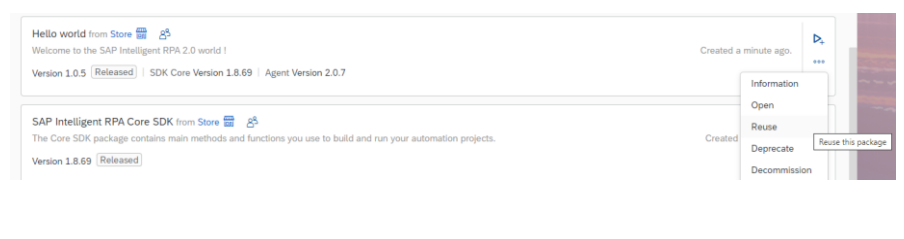
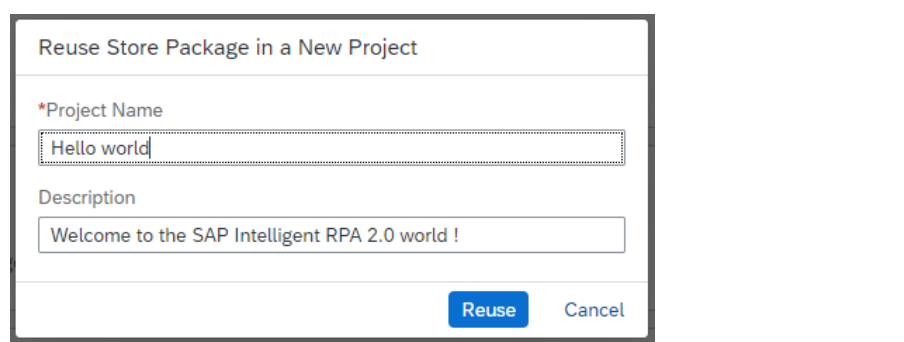
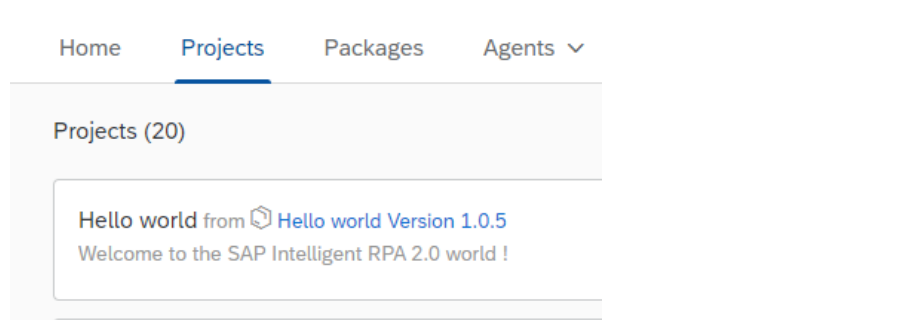
IMPORTANT RECOMMENDATION

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</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)</p> <p>Created a minute ago. ***</p> <p>Created</p> <ul style="list-style-type: none"> Information Open Reuse Deprecate Decommission <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 v</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

N/A

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.

RPAChallenge

Screen	Description
pInstructions	The <i>oTitle</i> item uses the Must Exist option.

UntitledTabFromChallenge

Screen	Description
pMain	This screen corresponds to an empty tab in the web navigator. Declared using the UI Automation connector
pBrowse	Subscreen of the previous screen, corresponding to the window pop-up "Save as"

Excel

Screen	Description
ExcelMainPage	Main screen of the Excel application. Contains multiple subscreens detailed below.
ExcelHomeTabMenu	Content of the Home menu. Contains the <i>btSensitivity</i> item with the Must Exist option
ExcelDataMenu	Content of the Data menu. Contains the <i>btnFromCSV</i> with the Must Exist option
ExcelTableDataMenu	Content of the Table Design menu. Contains the <i>TableName</i> item with the Must Exist option
pBrowseImportData	Popup used to select file to import data from.
pPopupLOADConfirmation	Popup used to load the data from the CSV file

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.

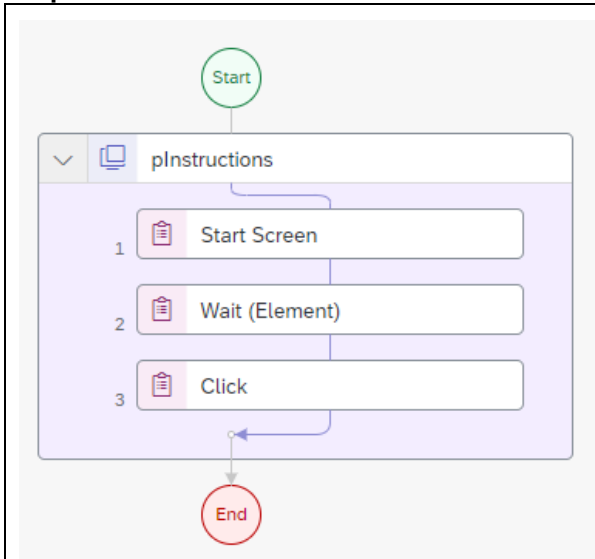
N/A

Automations

Launch RPA Challenge

Input: None

Output: none

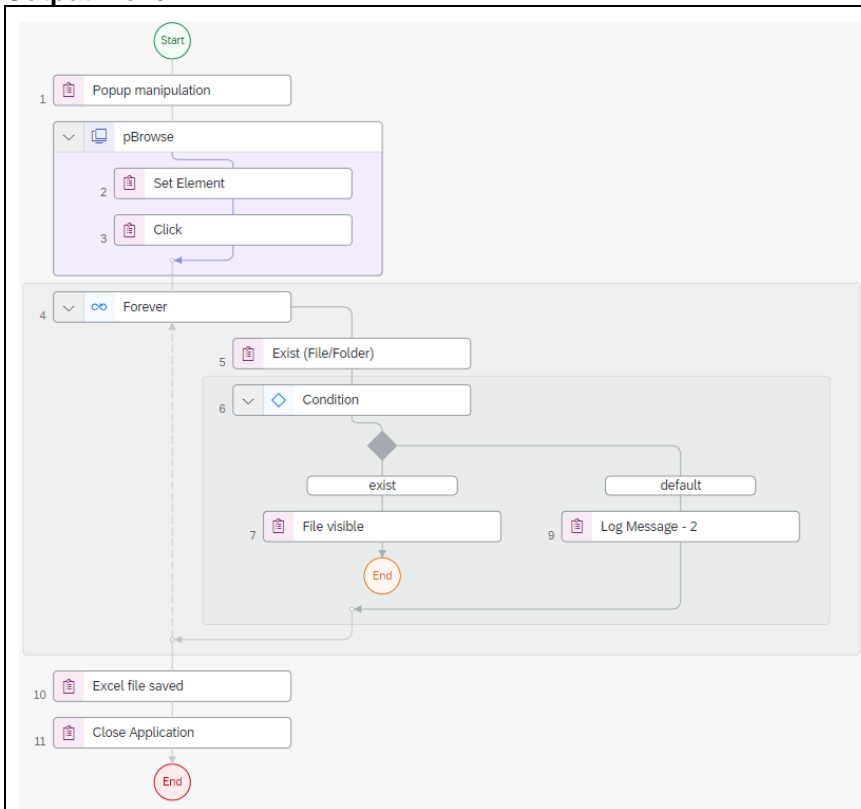


This automation is only used to open the <http://rpachallenge.com> website and click on the **Download Excel** button.

Popup Management From RPA Challenge

Input: the path where the file is to be downloaded

Output: none



This automation is to be executed after the previous one.

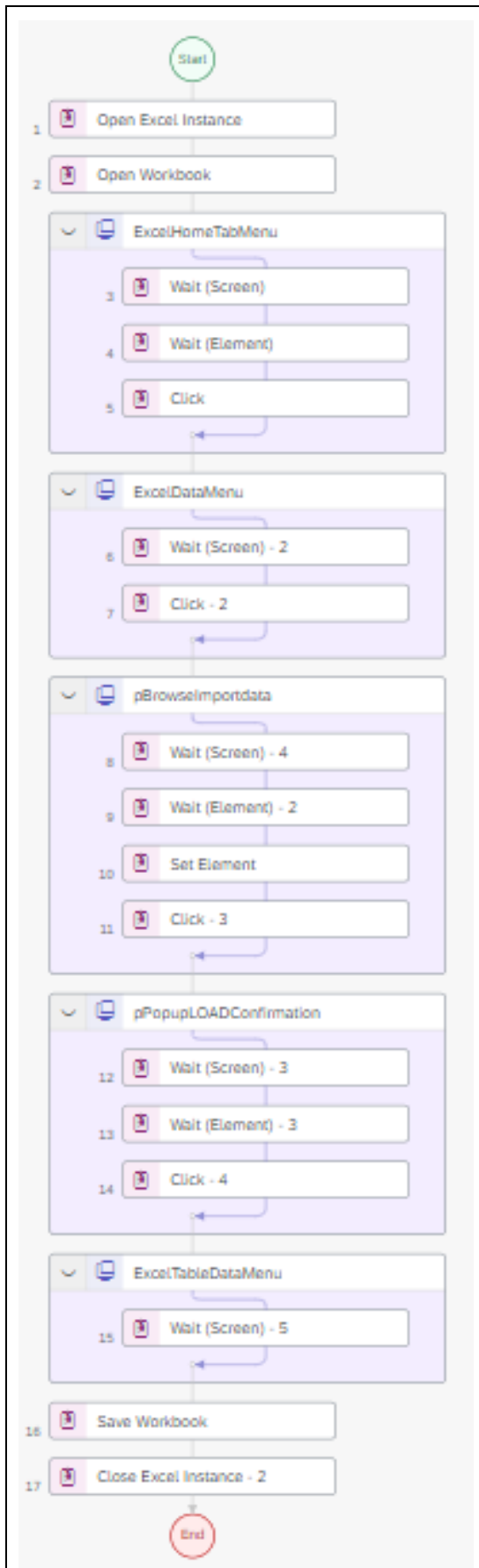
It is used to manage the popup which is display so you can select a location where to download the Excel file.

The agent sets the path with the content of the input parameter, and check constantly if the file is created or not. When it is, the automation ends.

Excel Manipulation

Input: downloadURL is the path of the Excel file which is opened. importFileURL is the path of the CSV file to be imported

Output: none



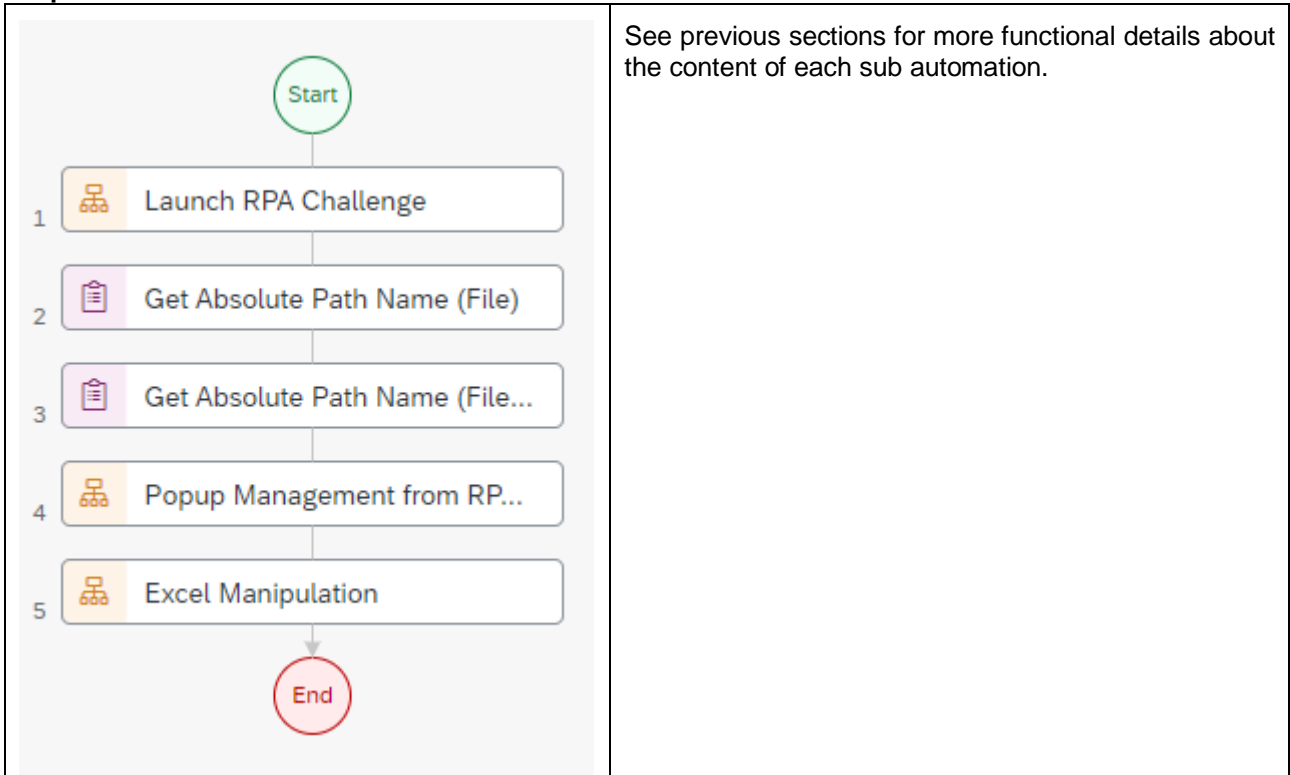
The agent opens an Excel file and then will import data from a CSV file using the different buttons from the UI.

All the subscreens declared in the application are used in this automation.

Main Scenario

Input: downloadURL is the path of the Excel file which is opened. importFileURL is the path of the CSV file to be imported

Output: none



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 **2.0.14** or higher.

The following SDK dependencies were used to generate this sample:

irpa_core	1.14.54
irpa_excel	1.14.54
irpa_outlook	N/A
irpa_pdf	N/A
irpa_ui5	N/A
irpa_word	N/A

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 file **myData.csv** which is in the package of the sample. Save the path of the file, as it should be the value of the **importFileURL** parameter for the automation launched from the project pane

EXPECTED OUTPUT

www.sap.com/contactsap

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