



IMDb

Project name: IMDb

Package version: 1.0.16

Version	Date	Description
0	October 22, 2020	Document created
1.1	March 08, 2021	Change template Add information about SDK dependencies
1.2	August 12,2021	Changing the version of the package
1.3	April 12, 2022	Changing criteria of some elements in target application

TABLE OF CONTENTS

INTRODUCTION	4
IMPORTANT RECOMMANDATION	5
General	5
Reuse the sample as a new project	5
DESCRIPTION	7
Settings	7
<i>Environment variables</i>	7
<i>Dependent packages</i>	7
Captures	7
<i>IMDb</i>	7
Datatypes	7
<i>Movie</i>	7
Automations.....	7
<i>Get Movies Info</i>	7
VERSION	9
SAP Build Process Automation	9
Target application	9
PREREQUISITES.....	10
Global setup.....	10
Specific steps to follow before launching the agent	10
EXPECTED OUTPUT	11

INTRODUCTION

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

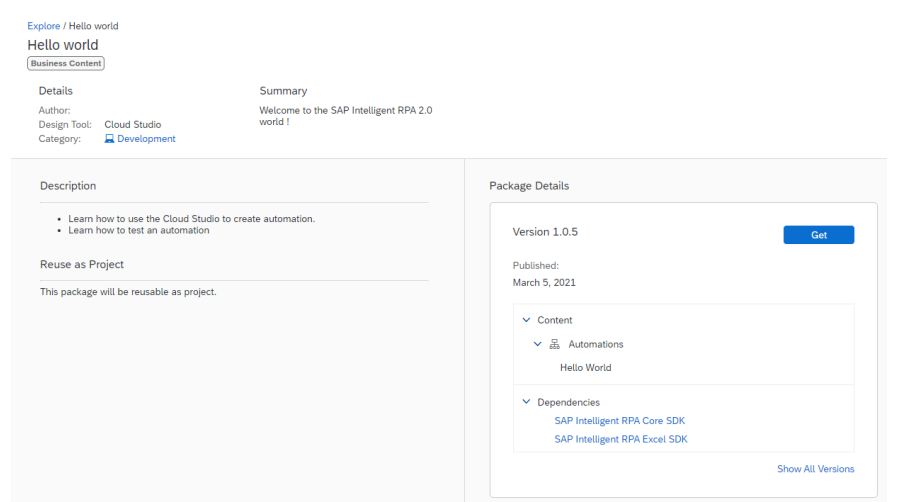
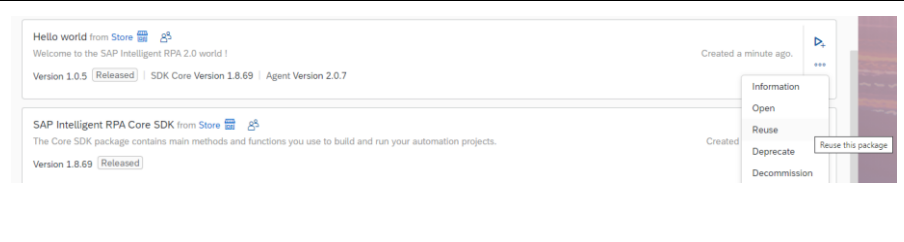
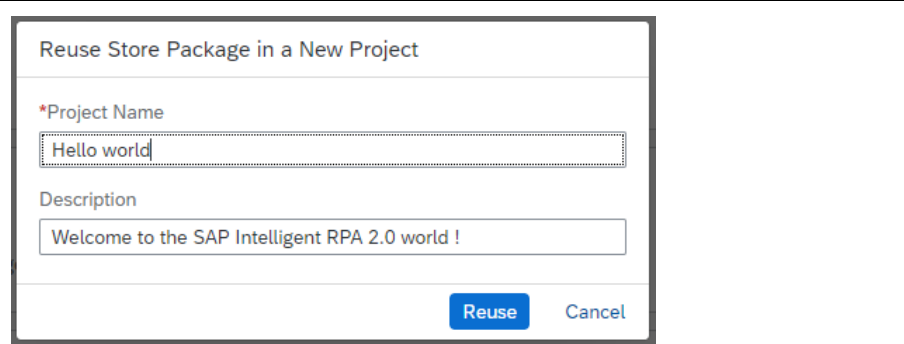
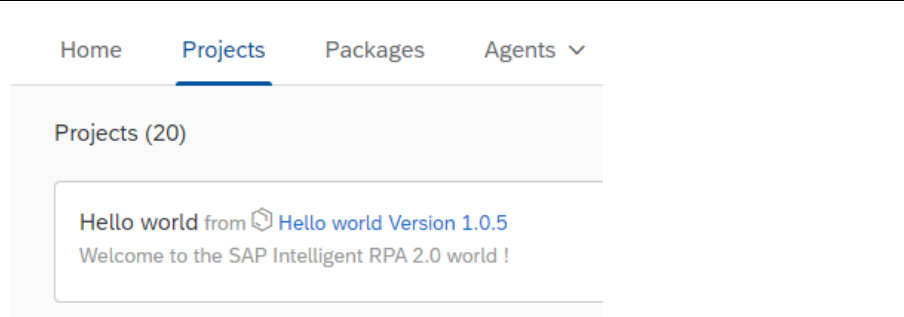
IMPORTANT RECOMMENDATION

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 automation.

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.

IMDb

Type: WEB

Framework: None

Screen	Description
pHome	The <i>oQuery</i> item uses the Must Exist option.
pSearch	The <i>oLinks</i> item is declared using a pattern DIV > TABLE > TR > TD > A. This item is a collection because the TR in the pattern is a collection. The <i>resultHeader</i> item uses the Must Exist option.
pMovie	The <i>oSummary</i> item uses the Must Exist option.

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.

Movie

Name of attribute	Type	Description
Title	String	Title of the movie
Summary	String	Short description of the plot of the movie object

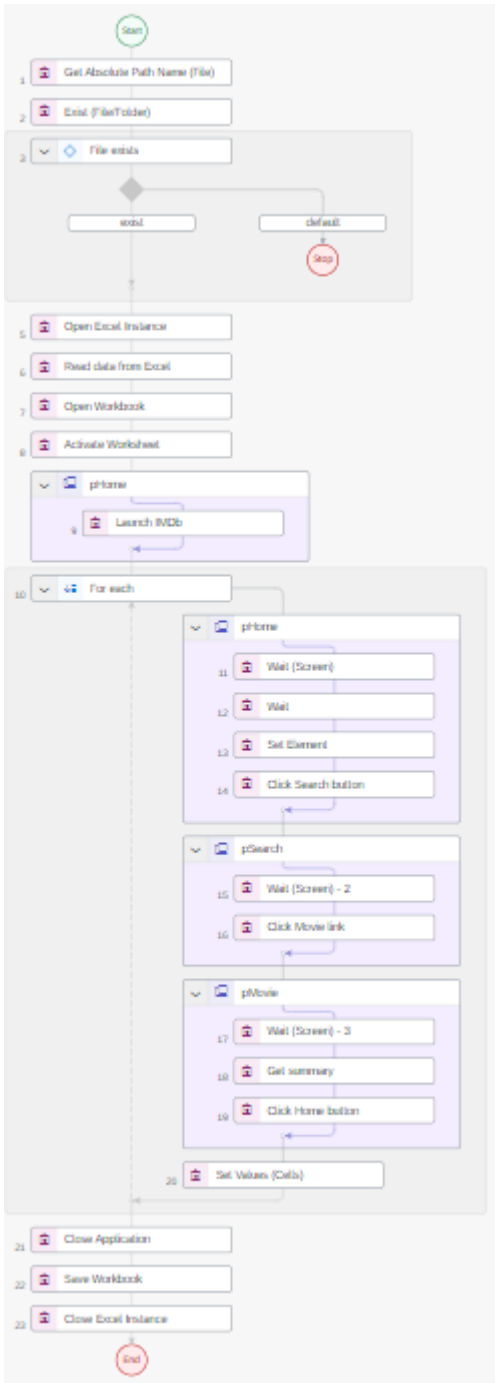
Automations

Get Movies Info

Type: Attended

Input: moveFilePath is the path of the Excel file used as input

Output: None



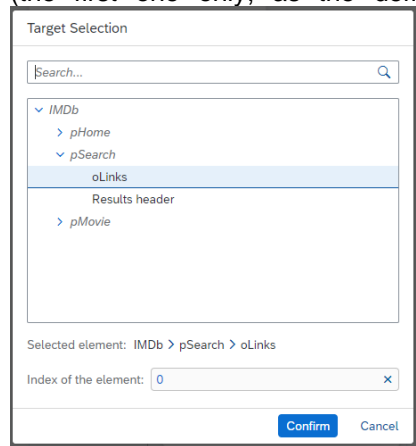
The agent reads data from the Excel file and creates a list of *Movie* objects (see Datatype paragraph).

Open Workbook and *Activate Worksheet* are used to maintain the Excel file open as *Read data from Excel* (which is an activity *Excel Cloud Link*) automatically closes the workbook.

As the agent will write data in the Excel file, the agents move the active cell to B2, which is the first cell to be written.

Then the agent opens the IMDb application and for each row from the Excel file:

- Search the movie (pHome) after a short delay
- Clicks on the link of the found movies (pSearch) (the first one only, as the defined target is



- Reads the summary of the movie and goes back to the Home page (pMovie)
- Then it uploads the Excel file with the data it just got. In the loop, index starts at 0, and the first cell we need to write is B2. That is why we use the following parameters for the **Set Values** activity:

rangeDefinition: * ?

'B' + (Step10.index + 2) x ✎

values: * ?

18 text x ✎

listDirection: ?

vertical x ✎

NB: the delay in the *pHome* page is used to make sure that all libraries are loaded in the page before we perform any action

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 **2.0.7** or higher.

The following SDK dependencies were used to generate this sample: 1.23.52

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

Target application

<http://imdb.com>

Date of last test:

12 April 2022

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 **doc.zip** archive from the sample and extract its content

EXPECTED OUTPUT

At the end of the execution, the Excel file should contain the summary of each movie in the list.

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