



How to use technical events

Project name: Technical events

Package Version: 1.0.14

Version of document	Date	Description
1	20 June 2022	Document created
1.1	January 25, 2023	Change criteria of application

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INTRODUCTION

This document describes the SAP Build Process Automation sample **Read Write CSV JSON XML – Cloud Studio** 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.

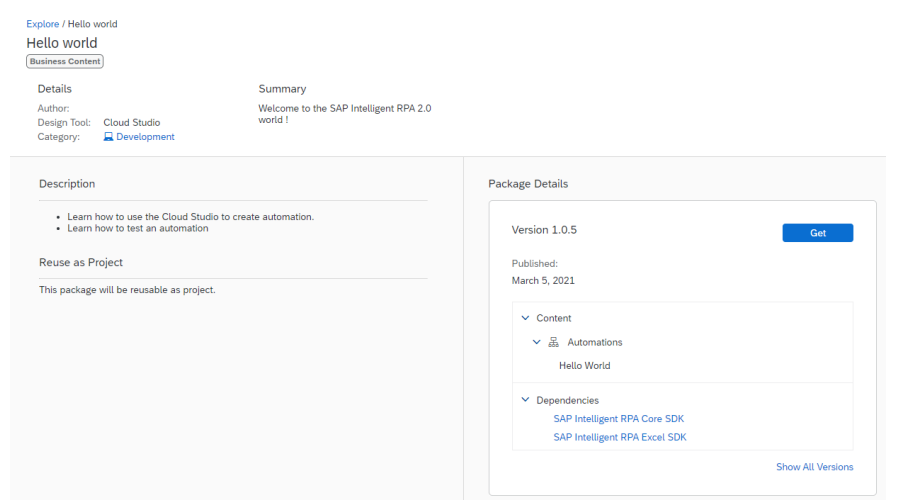
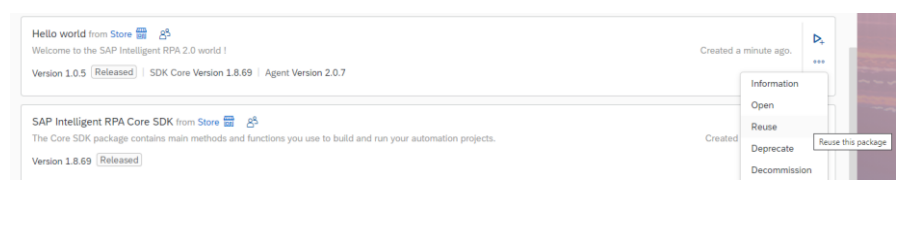
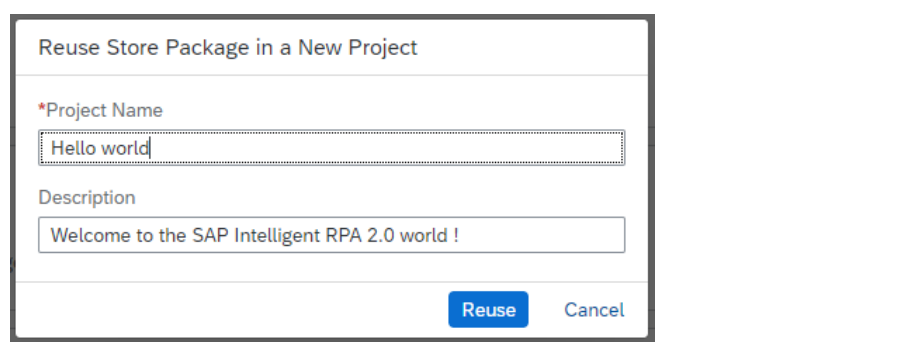
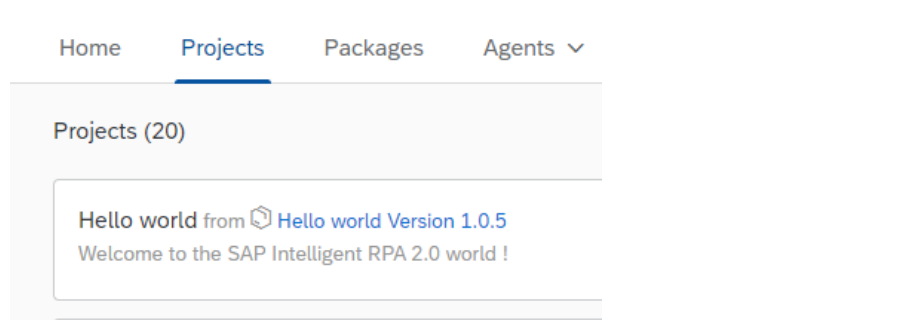
IMPORTANT RECOMMENDATION

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 Version 1.0.5 Get</p> <p>Published: March 5, 2021</p> <p>Content Automations Hello World</p> <p>Dependencies SAP Intelligent RPA Core SDK SAP Intelligent RPA Excel SDK</p> <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>Information Open Reuse Deprecate Decommission</p> <p>Created</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 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.

Duckduckgo

Type: WEB

Screen	Description
Main	The <i>resultContainer</i> item uses the Must Not Exist option.
Results	The <i>resultContainer</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.

N/A

Alerts

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

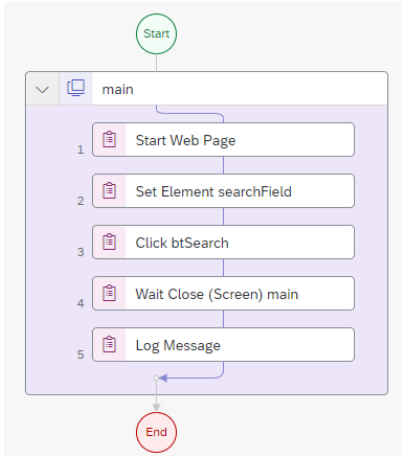
N/A

Automations

Search with DuckduckGo

Input: data (String)

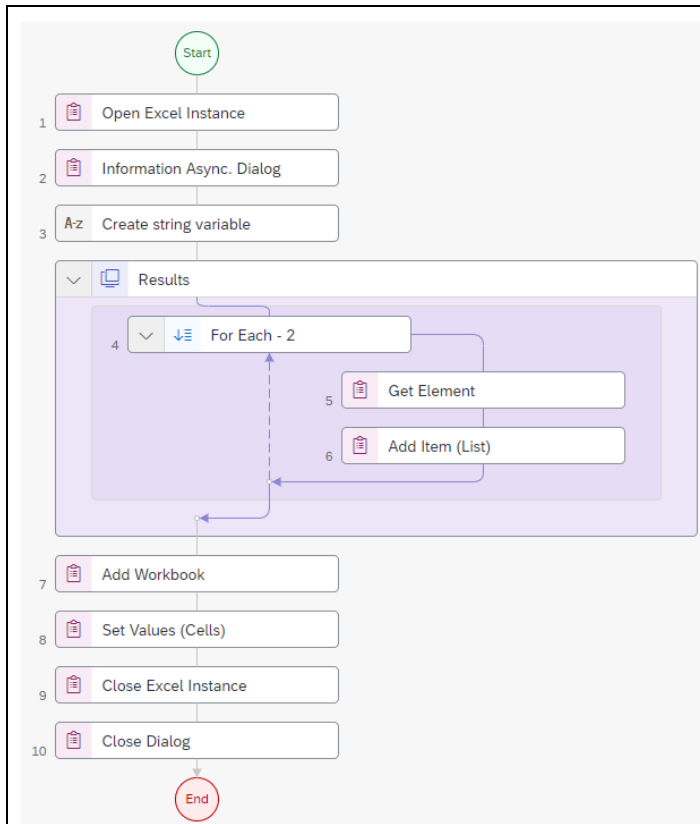
Output: N/A

	<p>In this automation (only one that can be triggered by the user), the bot will require the user to enter a text to search and will search it with the DuckduckGo search engine.</p> <p>The automation stops when the main page is closed after clicking on the Search button.</p>
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Write results in Excel

Input: N/A

Output: N/A



The purpose of this automation is to read the titles of each result in the first page, and then write it in a new Excel workbook.

This automation is not manually launched by the user. The bot will automatically detect the LOAD of the Results page and will trigger this automation as soon as it does. (See next section)

To prevent any action from the user that could cause the bot to fail, we are using an asynchronous dialog popup to display a message. This popup will be automatically closed at the end of the automation.

Project launcher

This section describes the project launcher of this project. It provides the list of all automations that can be manually triggered. It also provides the list of automation which can be triggered using the technical events.

Automation	Trigger
Search with Duckduckgo	Manually triggered
Write results in Excel	This automation is triggered when the <i>results</i> element (screen) launches the LOAD event

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 **2.0.25** or higher.

The following SDK dependencies were used to generate this sample: 1.33.40

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

Target application

Application	Version
duckduckgo.com	N/A Date of last test: January 24, 2023

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

- N/A

EXPECTED OUTPUT

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