



Sample - Use web search engine Duckduckgo

Project name: Duckduckgo

Package version: 1.0.28

Version	Date	Description
1	October 12, 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	January 25, 2023	Change the criteria of the application

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INTRODUCTION

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

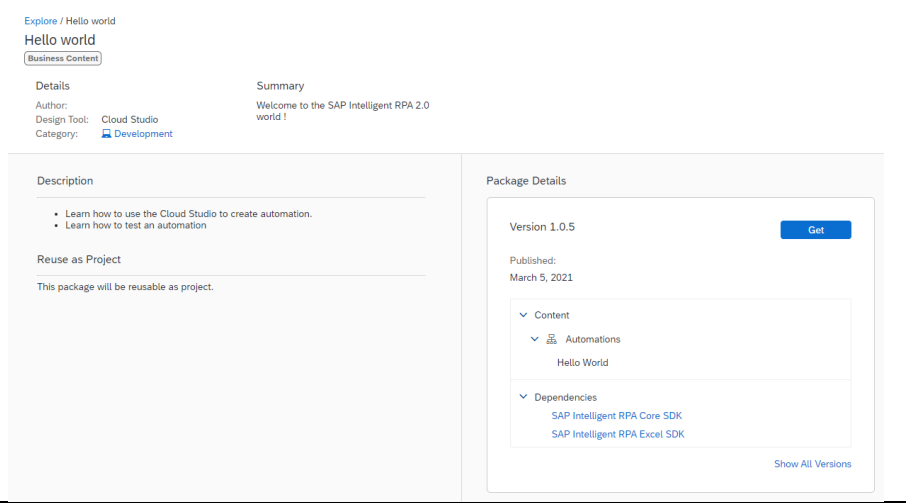
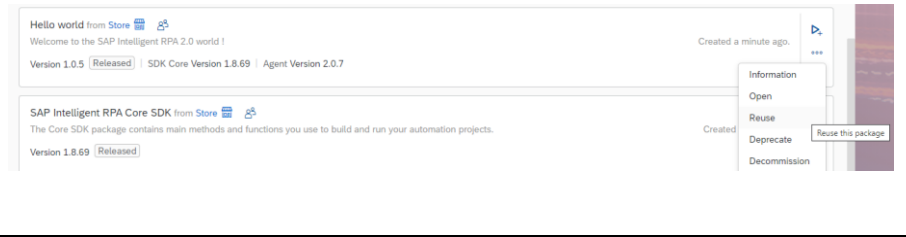
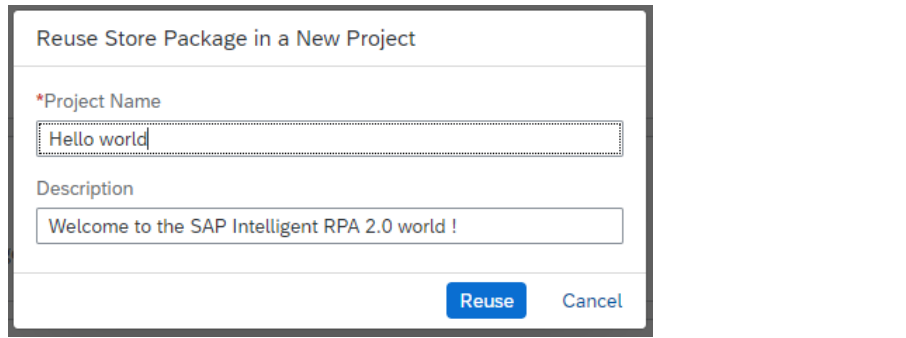
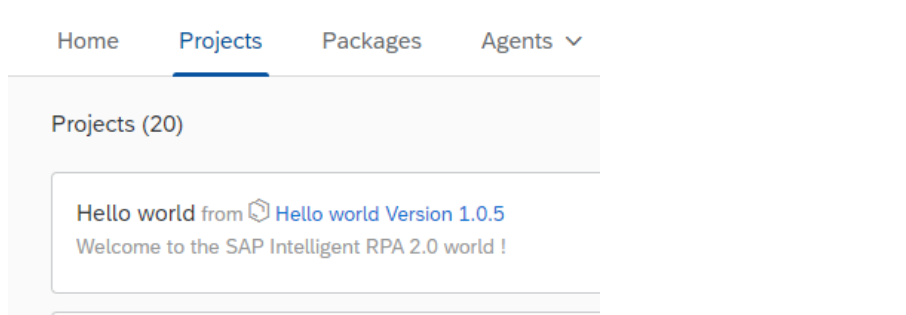
IMPORTANT RECOMMENDATION

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 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.

Duck duck go

Type: WEB

Framework: WEB

Screen	Description
Home	The <i>resultsContainer</i> item uses the Must Not Exist option.
Results	The criterion of the screen uses the 'starts with' operator. The <i>resultContainer</i> item uses the Must Exist option. The item <i>articles</i> is defined as collection. Consequently, <i>titles</i> and <i>descriptions</i> items (which depend on it) are collection too.

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

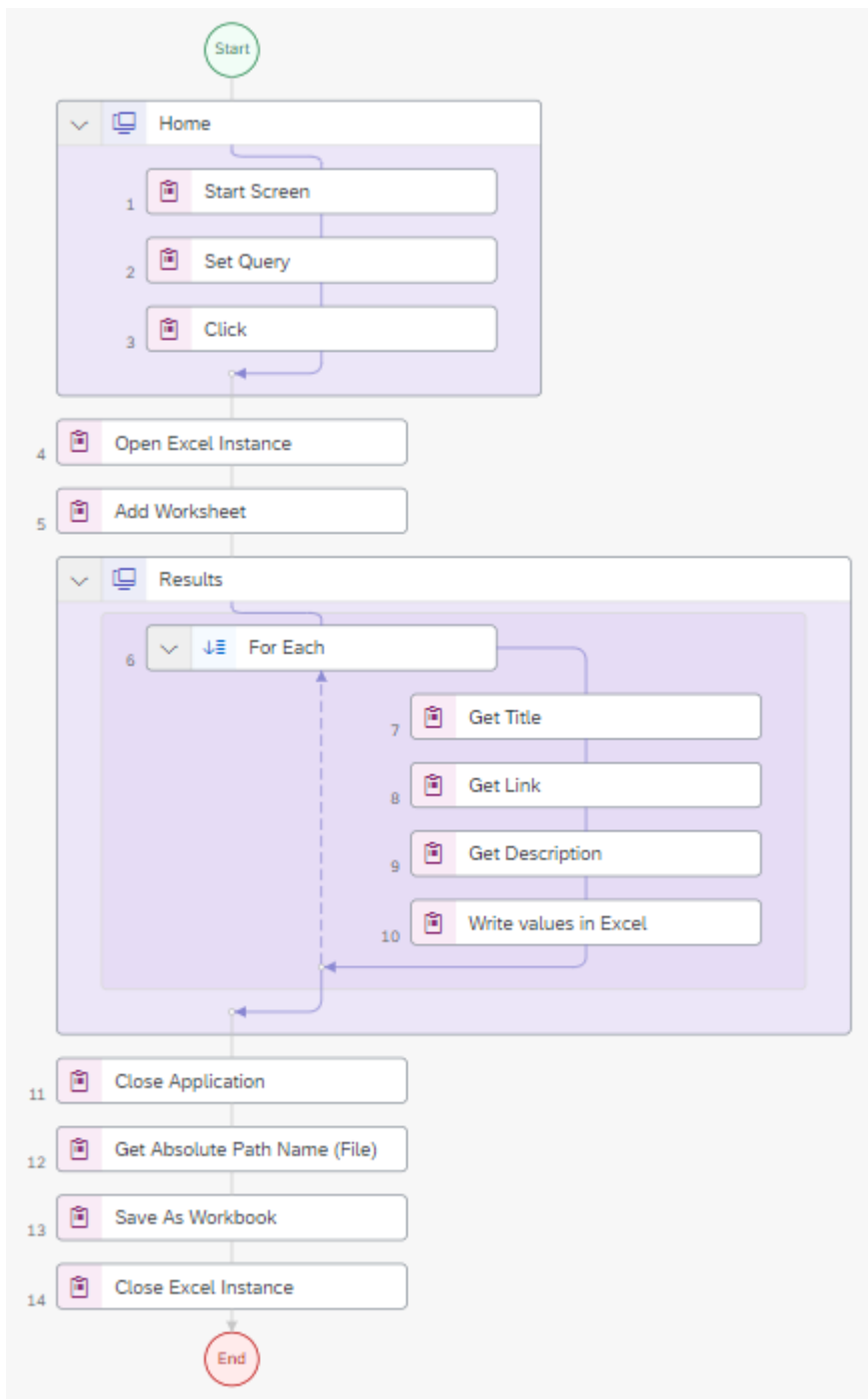
Automations

Run Duckduckgo

Type: Attended

Input: None

Output: None



First the agent starts the application *duckduckgo.com* in a web browser and search for the text “SAP Build Process Automation”. Then it clicks on the Search button.

The agent reads the Results screen content. For each result on the page, it will write the title, the link and the description in a new Excel file which was created before.

Note: **Push Values On Row** is a very useful activity when you want to write data on a single line in Excel. You just need to pass data in an array. E.g.: [**Step7.text**, **Step8.text**, **Step9.text**]

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: 1.33.40

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

At the end of the execution, the following screen should be displayed:

Duckduckgo:

The screenshot shows a DuckDuckGo search for 'SAP Intelligent RPA'. The search bar contains the text 'SAP Intelligent RPA'. Below the search bar, there are tabs for 'All', 'Images', 'Videos', 'News', and 'Maps', along with a 'Settings' dropdown. The search results are filtered for 'France', 'Safe Search: Moderate', and 'Any Time'. The top results include:

- Robotic Process Automation RPA - Five Case Study Bundle** from kofax.com. Description: 'Download Our Case Studies & Get Inspired How You Can Deploy RPA in Your Business!'.
- RPA is Only the Beginning - Industry-Leading Automation** from pega.com. Description: 'RPA is key to digital transformation - but it's not the whole picture. Learn more. Robotic process automation (RPA) is only effective in transformation if it's optimized. Manage Customer Journeys, Benefits of Cross-Channel, Always on Marketing'.
- SAP Intelligent Robotic Process Automation | Intelligent RPA** from https://www.sap.com/products/robotic-process-automation.html. Description: 'SAP Intelligent Robotic Processes Automation (RPA) is designed to automate SAP S/4HANA processes and comes with prebuilt bots to accelerate automation.'
- SAP Intelligent Robotic Process Automation in a Nutshell ...** from https://open.sap.com/courses/rpa1. Description: 'SAP Intelligent Robotic Process Automation is a complete automation suite where software robots are designed to mimic humans by replacing manual clicks, interpreting text-heavy communications, or making process suggestions to end users for definable and repeatable business processes.'
- Getting Started with a Trial Version of SAP Intelligent RPA** from https://help.sap.com/viewer/82d5a2499d8449dda691bb4d5b3d7949/Cloud/en-US. Description: 'Go to the Cloud tab, and click the Download link in the SAP Intelligent RPA section. Note. You can also access the desktop components for the trial version of SAP Intelligent RPA with this link. Install the desktop components of SAP Intelligent RPA on your machine.'

Below the search results, there is a 'Videos' section with three video thumbnails.

Excel:

The screenshot shows an Excel spreadsheet with the following data:

	A	B	C
2	SAP Intelligent Robotic Process Automation Intelligent RPA	https://www.sap.com/products/robotic-process-automation.html	Automate repetitive manual processes by creating, scheduling, managing, and monitoring intelligent bots. With SAP Intelligent Robotic Process Automation (SAP Intelligent RPA) services, you can redirect resources toward high-value activities and processes.
3	RPA Challenge with SAP Intelligent RPA 2.0: build it in ...	https://blogs.sap.com/2020/10/07/rpa-challenge-with-sap-intelligent-rpa-2.0-build-it-in-one-hour-run-it-in-one-second/	SAP Intelligent RPA 2.0 is a major evolution of our RPA solution offering simple-to-use bot building capabilities following the Low-Code/No-Code approach creating the path to Hyperautomation. With SAP Intelligent RPA 2.0, expert developers, citizen developers and business process experts can build bots to augment and automate human tasks across ... Thierry Gourdin is a manager at SAP Intelligent Robotic Process Automation. Thierry and his team's purpose is to support customer adoption of the Intelligent RPA product as a complementary tool in SAP Intelligent Suite. Thierry previously served as COO of Contextor, where he led services and customer development.
4	SAP Intelligent Robotic Process Automation in a Nutshell ...	https://open.sap.com/courses/rpa1	
5	SAP Intelligent Robotic Process Automation SAP Community	https://community.sap.com/topics/intelligent-rpa	
6	Automate SAP SuccessFactors with SAP Intelligent RPA SAP ...	https://blogs.sap.com/2020/06/03/automate-sap-successfactors-with-sap-intelligent-rpa/ https://help.sap.com/viewer/82d5a2499d8449dda691bb4d5b3d7949/Cloud/en-US	SAP Intelligent Robotic Process Automation (SAP Intelligent RPA) is a complete automation suite where software robots mimic humans by replacing manual steps to automate definable and repeatable business processes across LOBs. Expert developers, citizen developers and business process experts can build bots that augment human tasks and automate ... Sachin is a seasoned software engineer with strong experience in Java Development and RPA development. Deepika Monga is Sr. Consultant in ABAP with TSP. She has been working on SAP Cloud Platform, SAP cloud workflow and SAP Intelligent Robotic Process automation.
7	Getting Started with a Trial Version of SAP Intelligent RPA	https://www.sapstore.com/solutions/42831/SAP-Intelligent-Robotic-Process-Automation	The SAP Development Tools page opens: On this page you can download the desktop components for the trial version of SAP Intelligent RPA. Go to the Cloud tab, and click the Download link in the SAP Intelligent RPA section. Note. SAP Intelligent Robotic Process Automation. Bots to accelerate process automation goals of new age enterprises. SAP Intelligent Robotic Process Automation is a platform to build, orchestrate and monitor process automation bots. These bots emulate users while spanning across multiple applications and tools
8	SAP Intelligent Robotic Process Automation Cloud ...		
9	How to Build Bots with SAP Intelligent Robotic Process ...	https://open.sap.com/courses/rpa2-1	Samir Hamichi is a senior intelligent RPA specialist at SAP, working on customer solution adoption. After completing a PhD in artificial intelligence he joined a service company, working in a back-end development team for more than 4 years before joining Contextor in 2014 and then SAP 5 years later.
10	SAP Intelligent Robotic Process Automation - SAP Help Portal	https://help.sap.com/viewer/product/IRPA/Cloud/en-US	SAP Intelligent RPA Store User Guide. Take advantage of the store - a central source of predefined content for automation. Automate your business by emulating users with intelligent RPA. Channel initially created by Contextor, acquired by SAP in 2018. For more information related...
11	SAP Intelligent RPA - YouTube	https://www.youtube.com/c/SAPIntelligentRPA	
12			
13			

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