



How to use Custom Alerts

Project name: How to use Custom Alerts

Package version: 1.0.7

Version	Date	Description
1	March 31, 2021	Document created

TABLE OF CONTENTS

INTRODUCTION	4
IMPORTANT RECOMMENDATION	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
Datatypes	7
<i>Product Details</i>	7
Alerts	7
<i>Low Stock</i>	7
Automations.....	8
<i>Check stock</i>	8
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	12

INTRODUCTION

This document describes the SAP Build Process Automation sample **How to use Custom Alerts** 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.

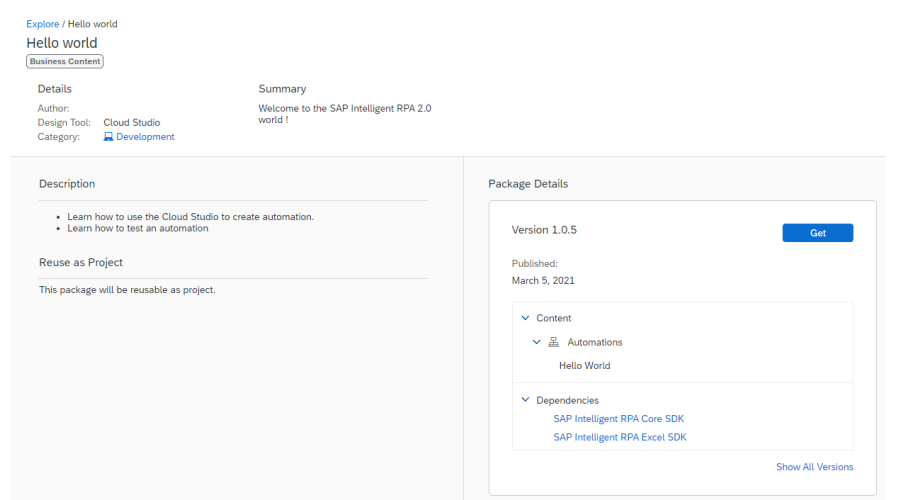
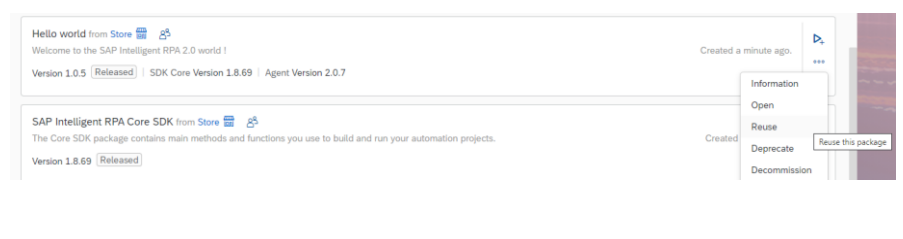
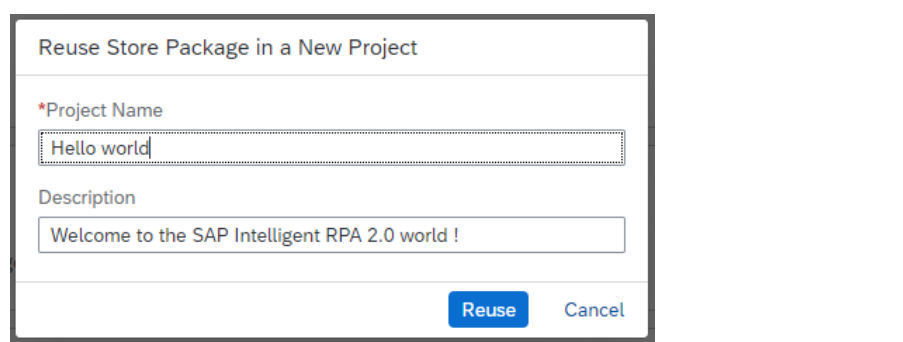
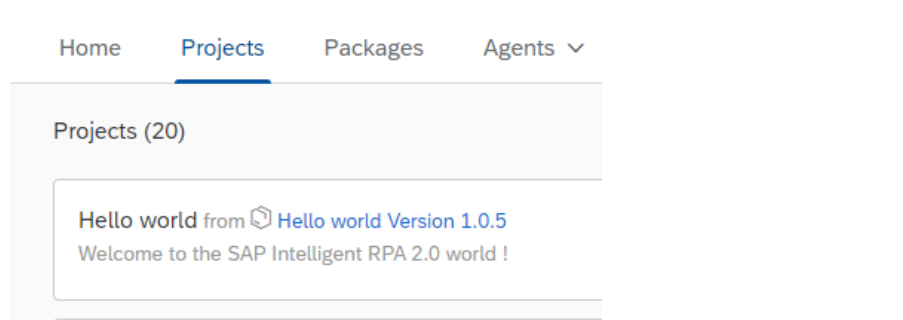
IMPORTANT RECOMMENDATION

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 <ul style="list-style-type: none"> Learn how to use the Cloud Studio to create automation. Learn how to test an automation </p> <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 <ul style="list-style-type: none"> Automations Hello World </p> <p>Dependencies <ul style="list-style-type: none"> 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 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 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

Name	Description	Type
DefaultSheetName	Default name of sheets in Excel files	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.

N/A

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.

Product Details

Name of attribute	Type	Description
id	Number	
name	String	
stock	Number	
owner	String	

Alerts

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

Low Stock

Severity: Information

Name of attribute	Type
productId	Number
productName	String
Stock	Number
Recipient	String

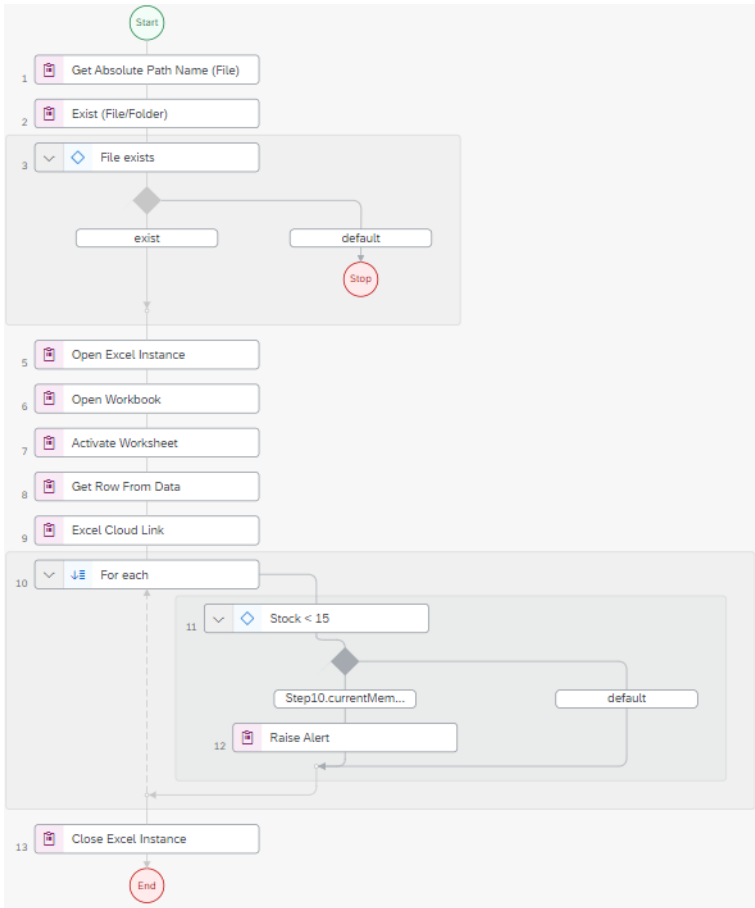
Automations

Check stock

Type: Attended

Input: The excel file to read

Output: None



The agent reads an Excel file and parse it to create a list of **Product Details** object.

Then the agent iterates over the collection and will raise an Alert if the stock is lower than 15.

Note: The **Raise Alert** activity is configured with the following data:

Parameters Tester Advanced

Alert definition: *

Low Stock X V

Input Parameters

productId: *

10 currentMember.id X

productName: *

10 currentMember.name X

stock: *

10 currentMember.stock X

recipient: *

10 currentMember.owner X

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 **2.0.9** 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

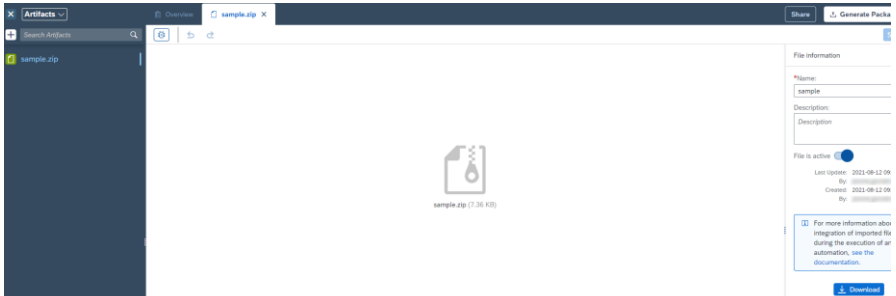
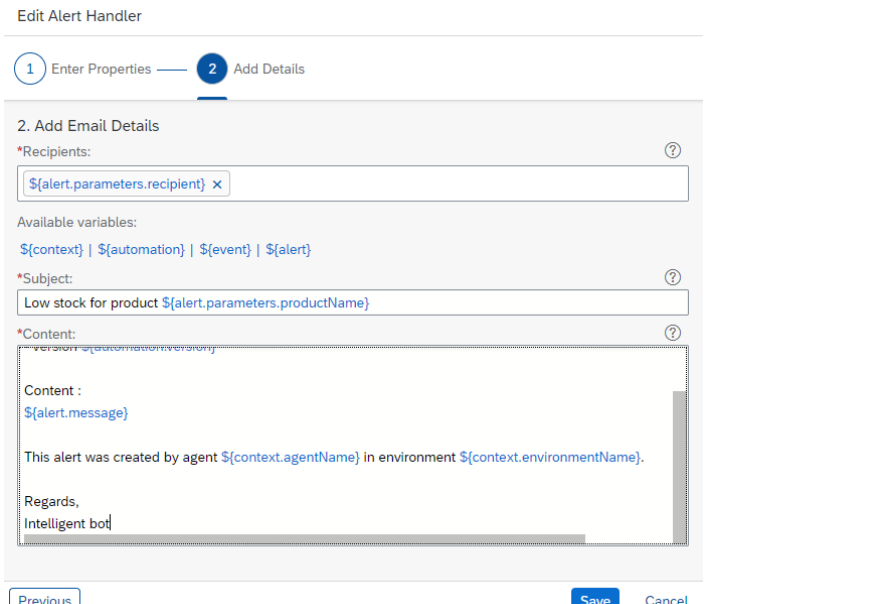
N/A

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

<p>Download the sample.zip archive of the project and extract its content.</p>	
<p>Open the Excel file and set your email address in the proper column (to be able to receive mails from Alert feature)</p>	
<p>When you deploy your package, set the values for the environment variables. DefaultSheetName should be set with the name of the Excel sheet (ex: <i>Sheet1</i>)</p>	
<p>Once the package was successfully added to the environment, create an alert handler following the Help documentation.</p> <p>You can use dynamic recipients, as details in the screenshot.</p>	

In the Factory, open the **Configuration > Mail** tab and make sure all the information are correct to be able to send email notifications.

Home Projects Packages Agents ▾ Environments Monitoring ▾ Store ▾ Configuration ▾

Configure mail server Send Test Mail

*Name IRPA-mails	*Sender Address noreply+irpa@sap.corp
Description e.g. mail configuration for x	*Host Address [redacted]
*Security Method TLS ▾	*Port 587
<input checked="" type="checkbox"/> SMTP Authentication	
*User [redacted]	
*Password Password	

EXPECTED OUTPUT

You should receive a mail for the following products:

- Product 4
- Product 9

www.sap.com/contactsap

© 2019 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies. See www.sap.com/copyright for additional trademark information and notices.

THE BEST RUN

