PUBLIC

RPA As Easy As 1-2-3: Low-Code Design for Microsoft Office and SAP Software INT165

Exercise 2: Integration of Word and Excel Xiaohui XUE / SAP Moumita Bera



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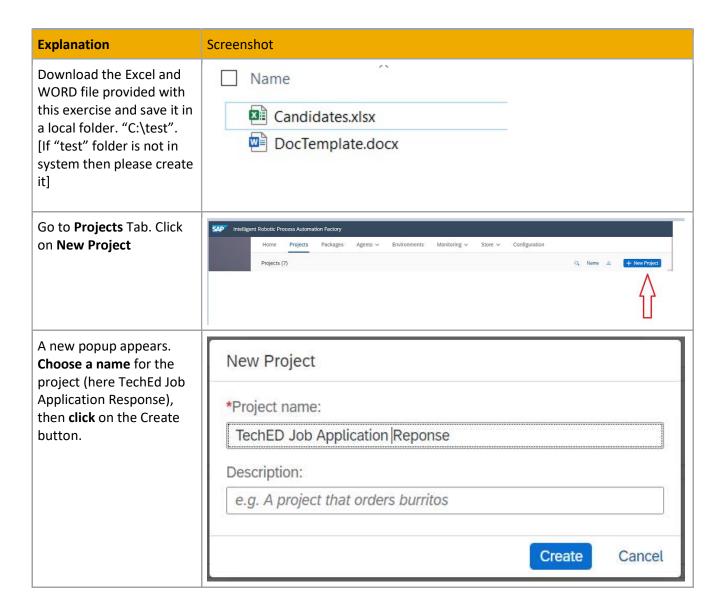
INTRODUCTION

This workshop aims to introduce the new features available in SAP Intelligent RPA 2.0 and how they can be used to simplify the business integration with Microsoft office and with SAP tools.

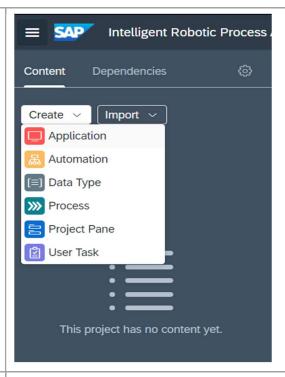
This exercise shows how to create an automatic process to handle job applicants. Given the list of candidates in an excel, the workflow automatically creates replies using a WORD document as template.

Estimated time: 30 minutes

CREATION OF THE WORD AUTOMATION



In the project, **click** on the Create button to expand the dropdown menu, then **select** Automation.



In the pop-up dialog, select the **agent version** for this project. In this exercise, the version can be the one marked with the label **Local**. **Click** on **Confirm**.

Configure agent version

Please select the version of the agents installed on machines that will execute the automation. For more information, see the documentation.

*Agent version:

Select a version

Confirm

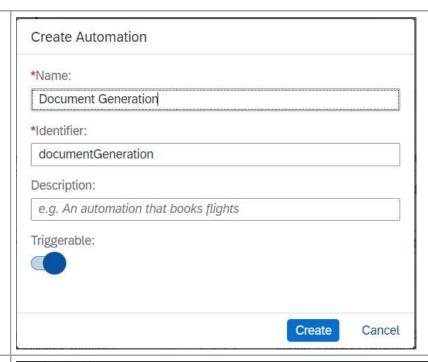
Cancel

A new popup appears.

Choose a name for the automation (here

Document Generation), then click on the Create button.

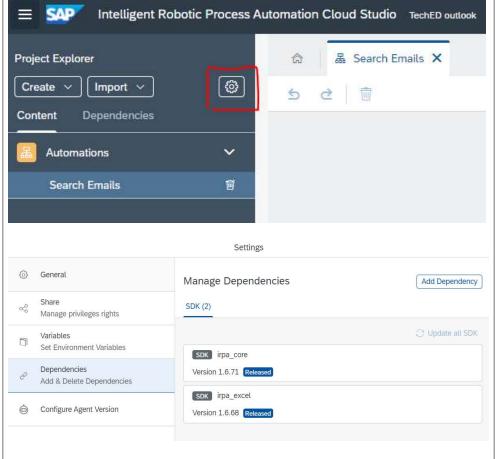
This will create the automation and open the automation editor.



Click on Project Settings icon and select the section **Dependencies**.

Two dependencies should be automatically added which are irpa_core and irpa_excel.

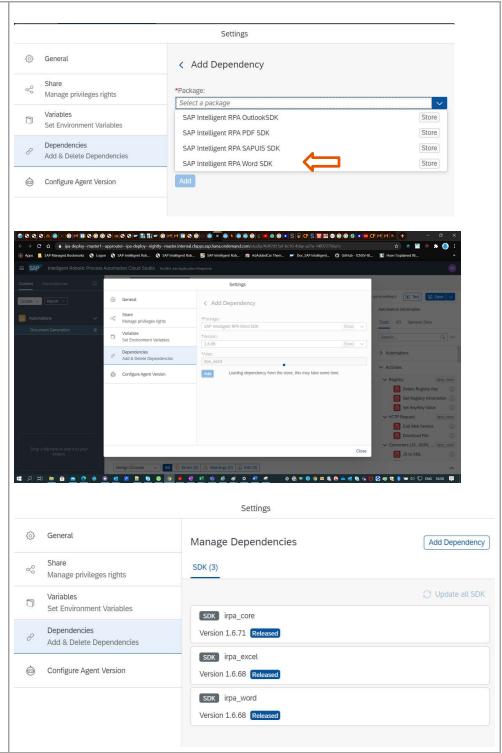
Click on Add Dependency icon.

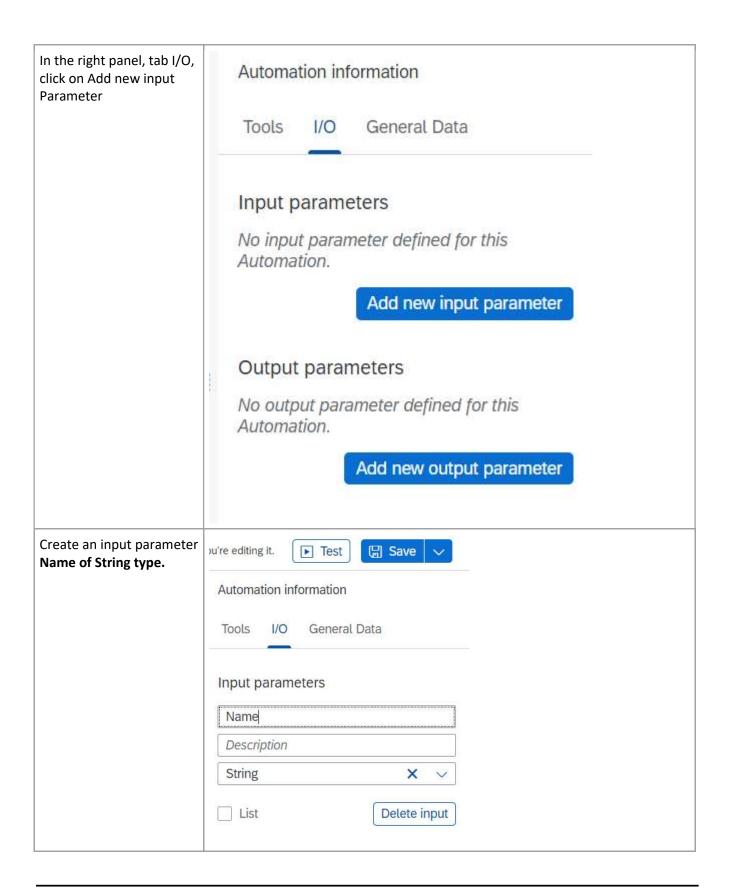


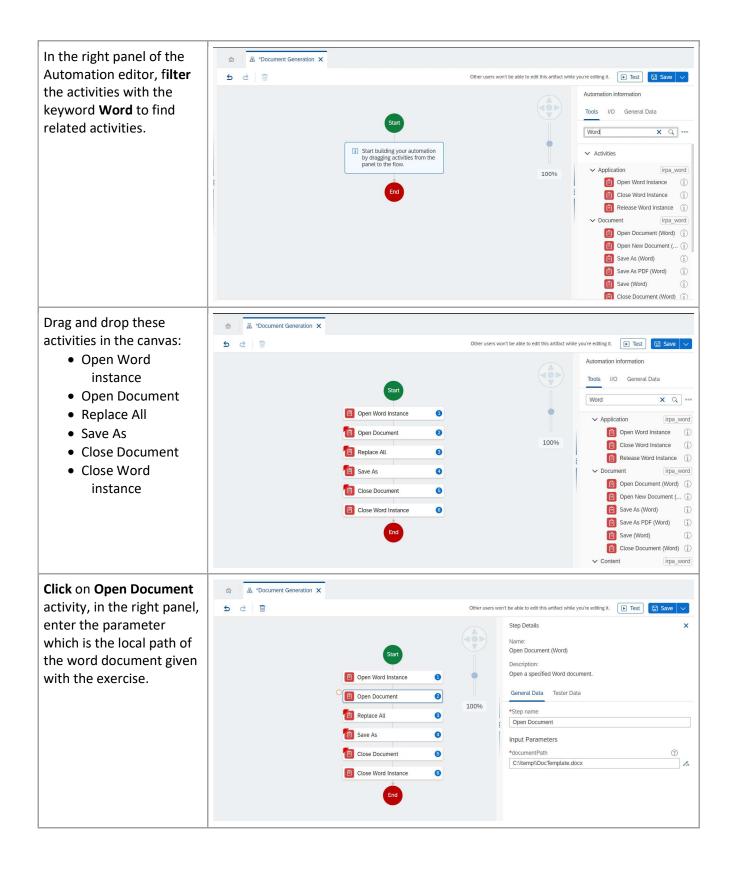
From Package dropdown select SAP Intelligent RPA Word SDK. Select available Version.

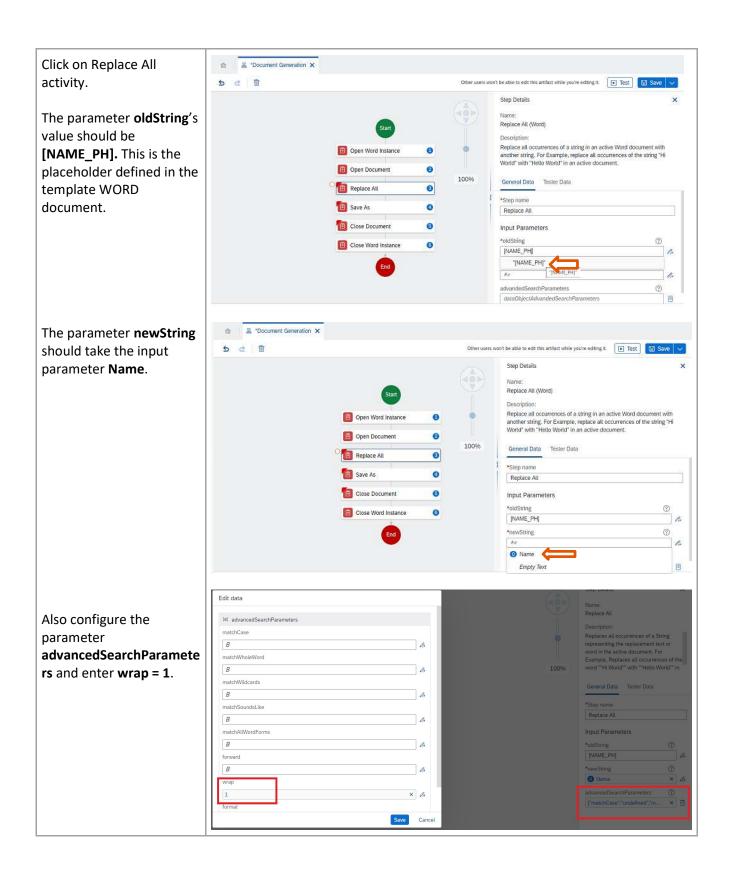
Click on Add button. This will add Word library in your current project scope.

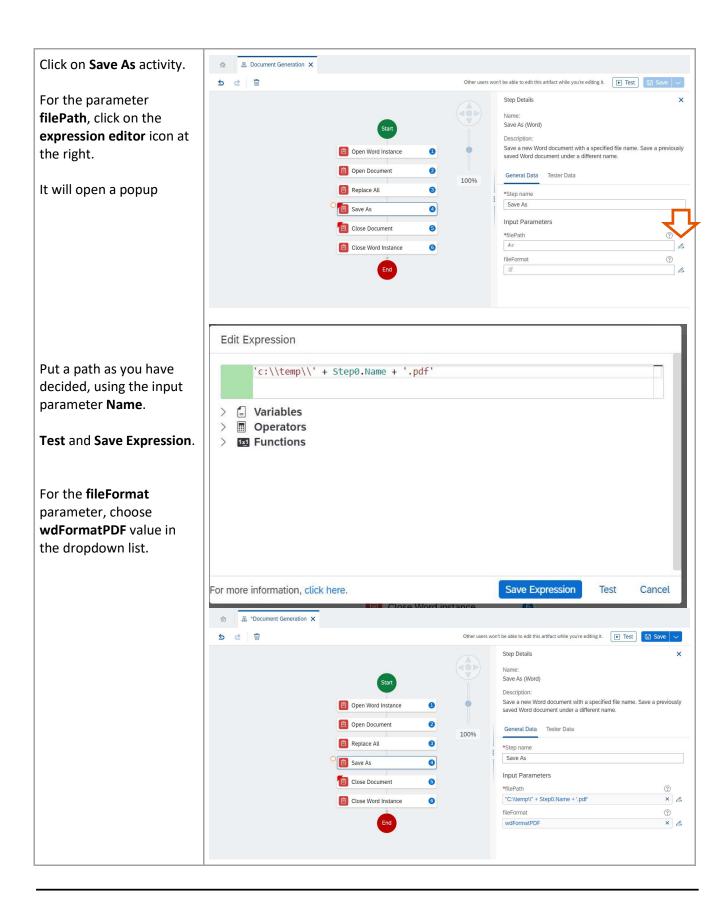
Finally, click on close.

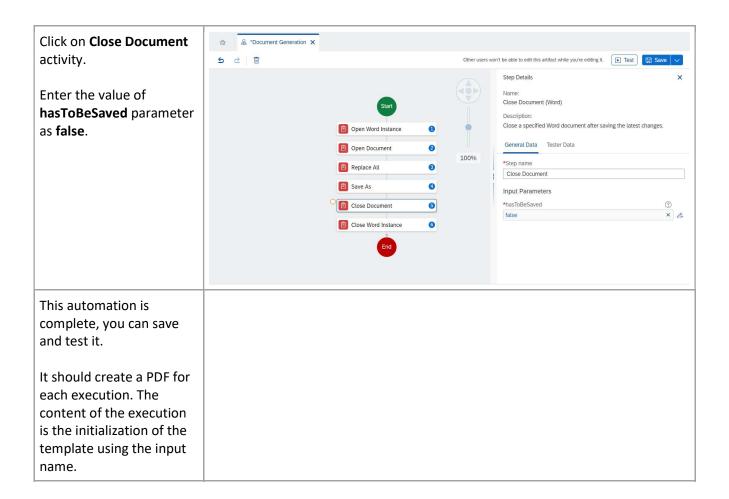








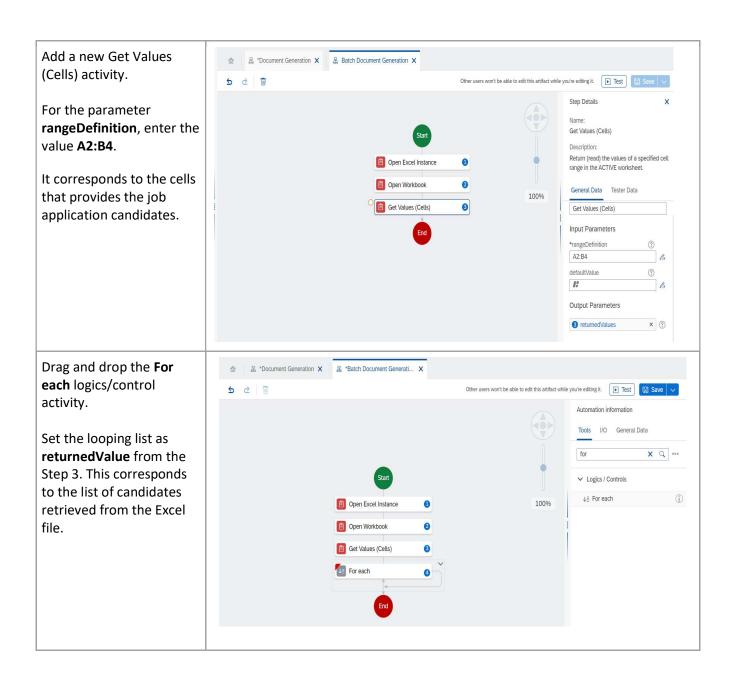


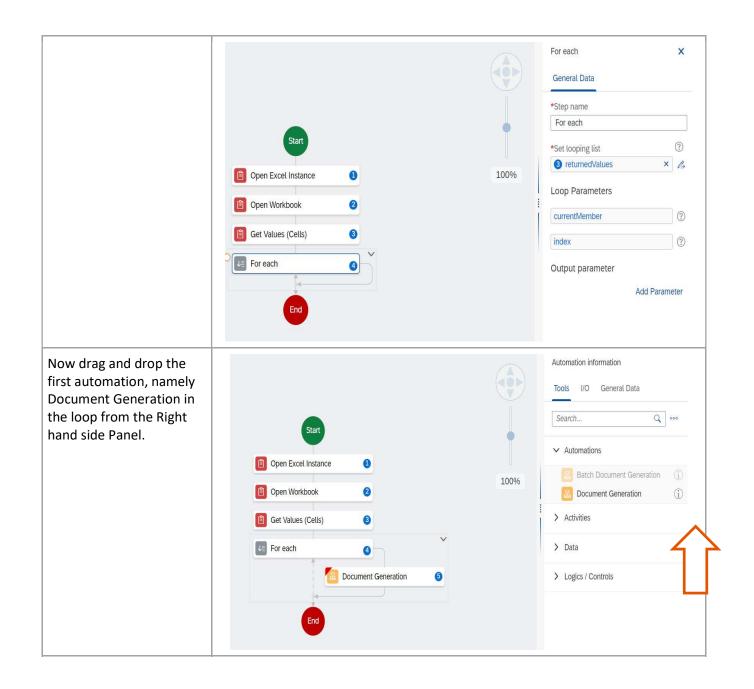


ADDING EXCEL ACTIVITIES

Create another Create Automation automation called Batch Document Generation. Batch Document Generation *Identifier: batchDocumentGeneration Description: e.g. An automation that books flights Triggerable: Create Cancel In this Automation editor, Intelligent Robotic Process Automation Cloud Studio TechEd Job Application Response add two activities: ் இ *Document Generation X இ *Batch Document Generati... X - Open Excel instance 5 2 🗓 Other users won't be able to edit this artifact while you're editing it. Create V Import V - Open Workbook Step Details For the **Open Workbook** Open Workbook Description: activity, enter the value of Open a workbook referenced by a Open Excel Instance parameter workbookPath workbook path. Once opened, use the Activate Workbook activity for further Open Workbook with the path of the excel file provided with the General Data Tester Data exercise. Open Workbook Input Parameters

"c:\\temp\\Candidates.xlsx"

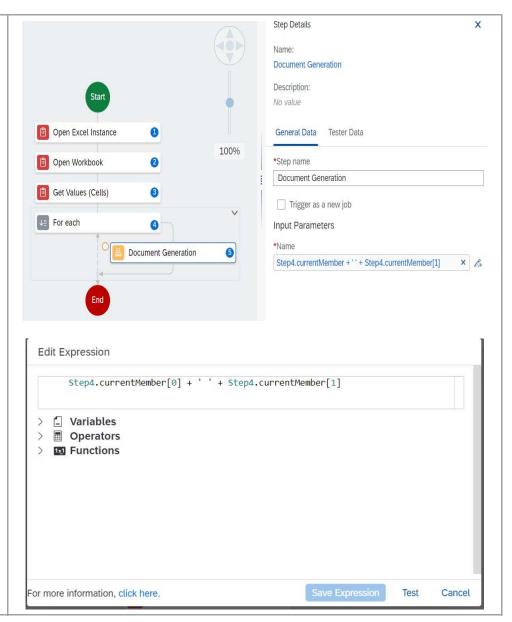


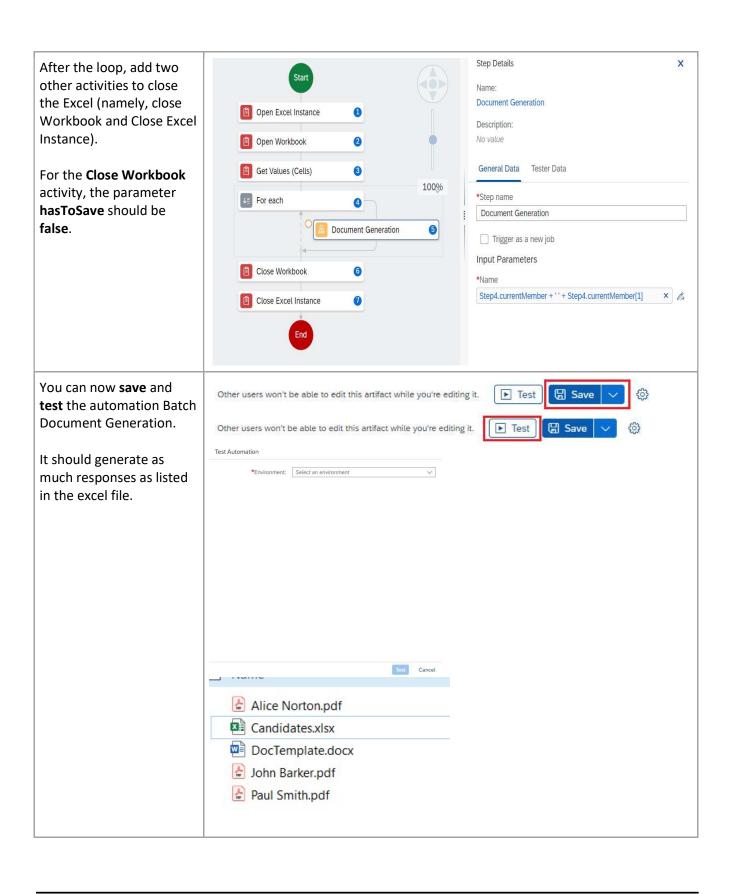


Use the expression editor to provide the input value for the automation **Document Generation**.

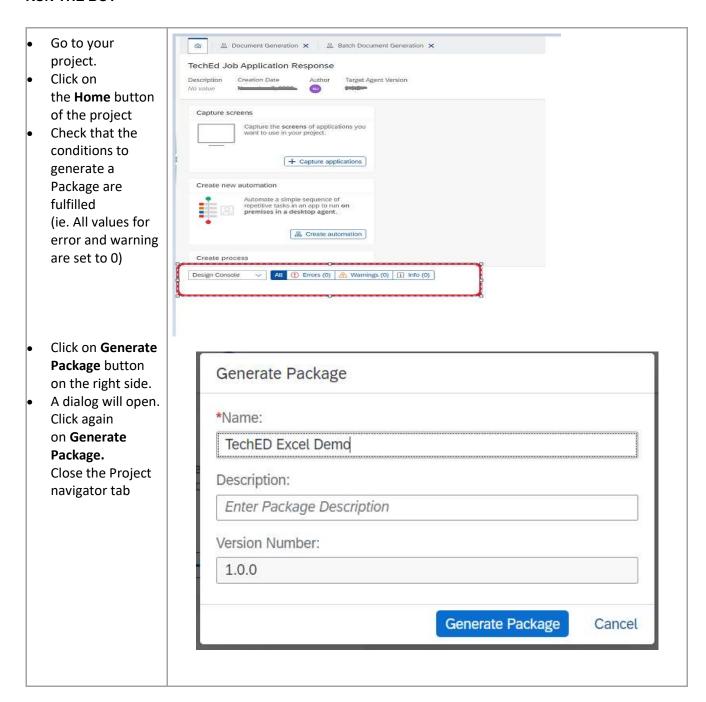
This corresponds to the concatenation of first name and last name for each candidate.

The expression editor provides auto completion to help putting the cocurate statement.

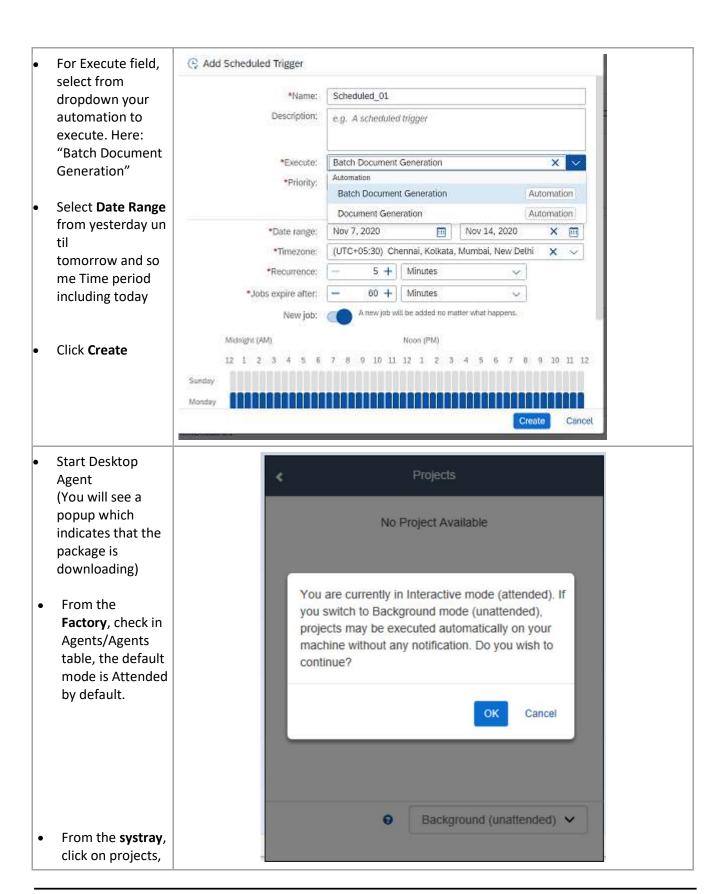


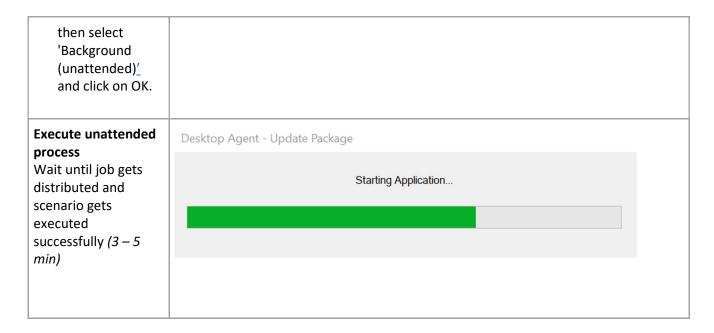


RUN THE BOT



Locate the generated Projects **Packages** Agents ~ Environme Home package in the Packages tab. Packages (1) Click on Add Trigger to create a scheduled trigger: TechED Excel Demo from In "Select an Environment ", select the Version 1.0.0 BETA Preview Environment you have previously created. Click Create Trigger on "Next" • In "Select a 1 Select an environment. — 2 Deploy — 3 Set Environment Variables — 4 Select a trigger type trigger type" step, chose TechEd x Q Scheduled TechEd Demo Environment Test trigger Updated just now. Author su Create Trigger Select a trigger type 1 Select an environment. 2 Deploy 3 Set Environment Variables RPAChallange1 Version 1.0.0 E API A trigger of type API opens a dedicated endpoint that allows an external application to execute a scenario or a process. Attended With an attended trigger, the deployed package is distributed to a specific group of agents, and users run the jobs manually. (Scheduled With a scheduled trigger, the user does not need to start a job manually. Jobs are created according to the schedule you define in the trigger. Previous Cancel





SUMMARY

You have completed the exercise!

You are now able to:

- ... create an automation using the Cloud Studio
- ... use automations to manipulate Excel sheets
- ... create an automation to manipulate word documents
- ... test and run your project

REFERENCES

Help portal for SAP Intelligent Robotic Process Automation: https://help.sap.com/viewer/p/IRPA SAP Intelligent Robotic Process Automation on SAP Community:

https://community.sap.com/topics/intelligent-rpa

www.sap.com/contactsap

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