

Test Script
Intelligent RPA Content
SAP S/4HANA
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CUSTOMER

SAP Intelligent RPA – Automating Name, Address and E-Mail Details Update

TCODE: BP

Document History

Revision	Change Date	Description
1.0	June 2021	Document Created

1 Prerequisites

This section summarizes all the prerequisites for conducting the test in terms of systems, users, master data, organizational data, other test data, and business conditions.

1.1 System Access

Details	
SAP on-premise	Accessible via SAP GUI. Your system administrator will provide you with the system configuration to access the various utility-based T-codes assigned to your role.

1.2 Roles

Assign the following business role to your individual test users.

i Note

The following role is provided as an example role from SAP. You can use these as templates to create your own roles.

Business Role
Customer Relationship Analyst

1.3 Master Data, Organizational Data, and Other Data

Below table provides detailed information on the input and output data. (ADD POPUP INPUT AND OUTPUTS if any)

Popup Data	Sample Value	Details
BusinessPartner	30000003	The Business Partner for which details should be updated.
NameTitle	Mr./ Ms.	The Name Title of the Business Partner
FirstName	Leonard	The FirstName of the Business Partner
LastName	Buffay	The LastName of the Business Partner
HouseNumber	B-18	House Number of the Business Partner
StreetName	Baker street	Street Name of the Business Partner
CityName	Mumbai	City Name of the Business Partner
PostalCode	400004	Postal Code of the City (The Length of The Postal Code varies from 5 to 10 according to respective countries)
TimeZone	INDIA	Time Zone of the place.
Country	IN	Country of the Business Partner
EEmailAddress	User@company.com	E-Mail Address of the Business Partner

1.4 Cloud Factory Manual Configuration

- The following table provides the details of Cloud Factory variables required to be created to execute the bot.

Variable Name	Type	Sample Value	Description
credentials	Credential	User: COMM_USER_**** Password: *****	To store the User credentials (communication users and password) for the respective system.

i Note

- To add credentials and other variables in the Cloud factory, see [Add Environment Variables from the Cloud Studio](#) for more details.
- To execute the bot in attended mode, the user must create a Tigger in the Cloud Factory, and then set the mode of the Desktop Agent to "Attended" by following the step-by-step procedure:
 - Click on the System Tray.
 - Click on Projects and Select [Interactive \(Attended\)](#) from the dropdown.
 - Restart your Agent

1.5 Business Conditions

Before you can test this scope item, the following business conditions must be met.

Scope Item ID	Business Condition
SAP GUI	SAP GUI Desktop should be present
Desktop agent	Refer the Desktop Agent User Guide to run the bot using SAP Intelligent RPA Desktop Agent.
Tenant Configuration	Configure Tenant to connect the agent to Cloud Factory.

1.6 Bot Execution

Go to the respective Cloud Factory and check the package has been imported or not.

- In Cloud Factory Environment, add the variables and set the Trigger to Attended mode.

2. Search for Desktop Agent on Windows search and execute it.
3. Open Desktop Agent and click [Projects](#).
4. In the [Projects](#) window, click the [Start](#) button next to the bot's name 'Utilities - BP-Update Name, Address and E-Mail Details', and click OK to confirm.
The Desktop Agent restarts to fetch the package.
5. If user wants to update the Address Details, select the 'Start Update Address Details – BP' scenario from the Desktop Agent window
A pop-up window appears.
6. In the pop-up window, enter the **BusinessPartner, HouseNumber, StreetName, CityName, PostalCode, Country, Timezone**. Users must provide all required inputs to run this bot. Refer section 1.3 for sample values.
7. Bot identifies the transaction code and updates the Address Details.
8. If user wants to update the Name Details, select the 'Start Update Name Details – BP' scenario from the Desktop Agent window
A pop-up window appears.
9. In the pop-up window, enter the **BusinessPartner, NameTitle, FirstName, LastName**. Users must provide all required inputs to run this bot. Refer section 1.3 for sample values.
10. Bot identifies the transaction code and updates the Name Details.
11. If user wants to update the E-Mail Address, select the 'Start Update E-Mail Address – BP' scenario from the Desktop Agent window
A pop-up window appears.
12. In the pop-up window, enter the **BusinessPartner, E-MailAddress**. User must provide all required inputs to run this bot. Refer section 1.3 for sample values.
13. Bot identifies the transaction code and updates the E-Mail Address.

Result

- Bot identifies the transaction code and updates Name, Address and E-Mail Address as per user requirement.
- In the Cloud Factory, go to [Monitoring](#) > [Jobs](#) to monitor the status.

2 Overview Table



This scope item consists of several items provided in the table below.

Items	Business Role	Scenario/Transaction	Expected Results
Execute the bot (Successful Execution)	Customer Relationship Analyst	'Utilities-BP-Update Name, Address and E-Mail Address' bot	The Payment Plan is created within the given contract number. After the execution, the status can be seen in the Cloud Factory. "Successful"
Execute the bot (Unsuccessful execution-Invalid user credentials)	Customer Relationship Analyst	'Utilities-BP-Update Name, Address and E-Mail Address' bot	After the execution, error can be seen below in the Cloud Factory: "Failed Detail: Timeout waiting for: sAPEasyAccess Exception: irpa_core.error.Timeout"
Execute the bot (Unsuccessful execution-If the number of GUI sessions opened exceeds five)	Customer Relationship Analyst	'Utilities-BP-Update Name, Address and E-Mail Address' bot	After the execution, below error logs can be seen in the Cloud Factory: "Failed Detail: Timeout waiting for: sAPEasyAccess Exception: irpa_core.error.Timeout"
Execute the bot (Unsuccessful-Invalid Business Partner Number)	Customer Relationship Analyst	'Utilities-BP-Update Name, Address and E-Mail Address' bot	After the execution, below error logs can be seen in the Cloud Factory: "Failed Detail: Timeout waiting for: changePerson Exception: irpa_core.error.Timeout"

3 Test Procedures

This section describes the test procedures for each process step that belongs to this scope item.

In the case of Attended version, below steps must be performed first to trigger the bot.

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
1.	Run the Desktop Agent	Search for a "Desktop Agent" on windows search and execute it.	 This icon will appear on the taskbar.	
2.	Select the bot to run	14.  Click on this icon in the taskbar to open the list of bots available for your machine. Select the 'Utilities - BP-Update Name, Address and E-Mail Details' bot.	Bot execution starts	

3.1 Execute the Bot (Success Test)

Test Administration

Test Case ID	1	Tester Name		Testing Date	
Business Role(s)	Customer Relationship Analyst				
Responsibility				Duration	

Purpose

To Update Name, Address and E-Mail Details using BP transaction.

Procedure

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
1.	Ensure the bot is scheduled	<ol style="list-style-type: none"> 1. Go to the respective Cloud Factory and check the package is imported or not. 2. Deploy the package to the required environment. 3. Add a trigger to the deployment. 	The package is being imported and the bot is scheduled for the run.	This is a manual step
2.	After successful execution	In Cloud Factory, go to Monitoring > Jobs and check the status for the respective job.	The Payment Plan is Created. After the execution, status can be seen in the Cloud Factory. "Successful"	This is a manual step

3.2 Execute the Bot (Unsuccessful – Invalid User Credentials)

Test Administration

Test Case ID	2	Tester Name		Testing Date	
Business Role(s)	Customer Relationship Analyst				
Responsibility	Check on credentials			Duration	

Purpose

To check whether the bot is responding with proper error message when incorrect credentials are given.

Procedure

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
1.	Ensure the bot is deployed and a trigger is added.	1. Go to the respective Cloud Factory and check the package is being imported or not.	The package is being imported and the bot is scheduled for the run.	This is a manual step

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
		2. Deploy the package to the required environment. 3. Add a trigger to the deployment.		
2.	Update the Factory Variables to have Incorrect Credentials	Go to Cloud Factory, select the environment where this Bot is deployed. Update the Factory Variable credentials to have Incorrect Credentials.	The variable is updated.	This is a manual step
3.	After unsuccessful execution	In Cloud Factory, go to Monitoring > Jobs and check the status for the respective job.	After the execution, below error logs can be seen in the Cloud Factory: Failed Detail: Timeout waiting for: sAPEasyAccess Exception: irpa_core.error.Timeout	This is a manual step

3.3 Execute the Bot (Unsuccessful – If Number of GUI Sessions opened exceeds five)

Test Administration

Test Case ID	3	Tester Name		Testing Date	
Business Role(s)	Customer Relationship Analyst				
Responsibility	Check on Number of GUI Sessions			Duration	

Purpose

To check whether the number of GUI sessions open exceeds five.

Procedure

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
1.	Ensure the bot is deployed and a trigger is added.	1. Go to the respective Cloud Factory and check the package is being imported or not. 2. Deploy the package to the required environment. 3. Add a trigger to the deployment.	The package is being imported and the bot is scheduled for the run.	This is a manual step
2.	Check the number GUI open sessions	Check whether the number of GUI open sessions exceeds five.	The bot fails to execute if more than five sessions are opened.	This is a manual step
3.	After unsuccessful execution	In Cloud Factory, go to Monitoring > Jobs and check the status for the respective job.	After the execution, error below can be seen in the Cloud Factory: "Failed Detail: Timeout waiting for: sAPEasyAccess Exception: irpa_core.error.Timeout"	This is a manual step

3.4 Execute the Bot (Unsuccessful – Invalid Business Partner Number)

Test Administration

Test Case ID	4	Tester Name		Testing Date	
Business Role(s)	Customer Relationship Analyst				
Responsibility	Check on the Business Partner Number			Duration	

Purpose

To check on the Business Partner Number.

Procedure

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
1.	Ensure the bot is deployed and a trigger is added.	<ol style="list-style-type: none">1. Go to the respective Cloud Factory and check the package is being imported or not.2. Deploy the package to the required environment.3. Add a trigger to the deployment.	The package is being imported and the bot is scheduled for the run.	This is a manual step
2.	Update the input with invalid format	The input is updated with an invalid Business partner number.	The bot fails to execute as the input is invalid.	This is a manual step
3.	After unsuccessful execution	In Cloud Factory, go to Monitoring > Jobs and check the status for the respective job.	After the execution, error below can be seen in the Cloud Factory: "Failed Detail: Timeout waiting for: changePerson Exception: irpa_core.error.Timeout"	This is a manual step