

Test Script
Intelligent RPA Content
SAP S/4HANA
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CUSTOMER

SAP Intelligent RPA – Create and Update Payment Scheme

TCODE: EA61PS and EA62PS

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 provides 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.

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
Billing Specialist/Payments Specialist/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
Contract Number	6000001130	Contract number to create payment scheme. This is a required input.
First Due Date	20.06.2021	The first due date for the Scheme. This is a required input.
Frequency	M	The billing frequency for the Scheme. This is a required input.
Payment Scheme Category	PS1	Payment Scheme category. This is a required input.
Amount	789	Amount to be updated. POP UP input.

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
S4H_USER_AUTH_5BP	Credential	User: COMM_USER_**** Password: *****	To store the User credentials (communication users and password) for the respective system.

Note

- To add SYSTEMURL_ODATA, S4H_USER_AUTH_5BP, 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 Trigger 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.
- Search for Desktop Agent on Windows search and execute it.
- Open Desktop Agent and click [Projects](#).
- In the [Projects](#) window, click the [Start](#) button next to the bot's name 'Utilities-EA61PS-EA62PS-Create and Update Payment Scheme' and click OK to confirm.
- The Desktop Agent restarts to fetch the package.

7. From the Desktop Agent window, select the '[Start Create Payment Scheme - EA61PS](#)' scenario.
8. A pop-up window appears.
9. In the pop-up window, enter the required inputs as mentioned in 1.3 Section.
10. The Bot starts the transaction and checks if the contract number already exists.
11. If Contract Number exists, A pop up appears asking if you want to change the amount, you can click yes and proceed by giving the amount or else click No and the Bot ends.
12. If Contract Number doesn't exist, the bot creates a new Payment scheme and ends.
13. If you select '[Start Update Payment Scheme - EA62PS](#)' scenario. from the Desktop Agent window in step 7.
14. A pop-up window appears.
15. In the pop-up window, enter the required inputs as mentioned in 1.3 Section.
16. The Bot starts the transaction and updates the payment scheme and ends.

Result

- Bot completes creating new Payment Scheme using given contract.
- In the Cloud Factory, go to [Monitoring](#) > [Jobs](#) to monitor the Status of bot.

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)	Billing Specialist/Payments Specialist/Customer Relationship Analyst	'Utilities-EA61PS-EA62PS- Create and Update Payment Scheme' bot	Creates payment scheme with updating the new amount. After the execution, below Status can be seen in the Cloud Factory: "Successful"
Execute the bot (Unsuccessful execution- Invalid user credentials)	Billing Specialist/Payments Specialist/Customer Relationship Analyst	'Utilities-EA61PS-EA62PS- Create and Update Payment Scheme' bot	Bot ends at login screen. After the execution, below Status can be seen in the Cloud Factory: "Failed" "Detail: Timeout waiting for: sAPEasyAccess Exception: irpa_core.error.Timeout"
Execute the bot (Unsuccessful execution – No entry in the input pop-up window)	Billing Specialist/Payments Specialist/Customer Relationship Analyst	'Utilities-EA61PS-EA62PS- Create and Update Payment Scheme' bot	Bot fails while changing the amount to null. After the execution, below Status can be seen in the Cloud Factory: "Failed" "Detail: Timeout waiting for: creationNotification Exception: irpa_core.error.Timeout"
Execute the bot (Unsuccessful-Invalid Contract Number)	Billing Specialist/Payments Specialist/Customer Relationship Analyst	'Utilities-EA61PS-EA62PS- Create and Update Payment Scheme' bot	After the execution, below Status can be seen in the Cloud Factory: "Failed" "Detail: Timeout waiting for: openItemsForSelectedContract Exception: irpa_core.error.Timeout"

Items	Business Role	Scenario/Transaction	Expected Results
Execute the bot (Unsuccessful execution- If the number of GUI sessions opened exceeds five)	Billing Specialist/Payments Specialist/Customer Relationship Analyst	'Utilities-EA61PS-EA62PS- Create and Update Payment Scheme' 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”

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 "Desktop Agent" on windows search and execute it.	 This icon will appear on the taskbar.	
2.	Select the bot to run	 Click on this icon in the taskbar to open the list of projects available for your machine, click start and confirm and open Desktop Agent again you will see bots available. Select the 'Utilities-EA61PS-EA62PS-Create and Update Payment Scheme' bot.	Bot execution starts	

3.1 Execute the Bot (Success Test)

Test Administration

Test Case ID	1	Tester Name		Testing Date	
Business Role(s)	Billing Specialist/Payments Specialist/Customer Relationship Analyst				
Responsibility	Create payment scheme			Duration	

Purpose

To create a payment scheme using EA61PS 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"> Go to the respective Cloud Factory and check the package is imported or not. Deploy the package to the required environment. 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 log for the respective job.	<p>The payment scheme has been created without any issues.</p> <p>After the execution, job status can be seen as “Successful”.</p>	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)	Billing Specialist/Payments Specialist/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 log 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

3.3 Execute the Bot (Unsuccessful – No Entry in the Input Pop-up Window)

Test Administration

Test Case ID	3	Tester Name		Testing Date	
Business Role(s)	Billing Specialist/Payments Specialist/Customer Relationship Analyst				
Responsibility	Check on missing values in the input pop-up window			Duration	

Purpose

To check whether the bot is working fine if popup does not get any input and user clicks Ok.

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.	Missing values in the input pop-up window	In the input-pop-up window, do not enter any value in any of the fields.	After the execution, error below can be seen in the Cloud Factory: "Failed" "Detail: Timeout waiting for: creationNotification Exception: irpa_core.error.Timeout"	This is a manual step

3.4 Execute the Bot (Unsuccessful – Invalid Contract Number)

Test Administration

Test Case ID	3	Tester Name		Testing Date	
Business Role(s)	Billing Specialist/Payments Specialist/Customer Relationship Analyst				
Responsibility	Check on Contract Number			Duration	

Purpose

To check on Contract Number.

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.	Update the input with invalid format	The input is updated with an invalid Contract 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: openItemsForSelectedContract Exception: irpa_core.error.Timeout"	This is a manual step

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

Test Administration

Test Case ID	4	Tester Name		Testing Date	
Business Role(s)	Billing Specialist/Payments Specialist/Customer Relationship Analyst				
Responsibility	Check on Maximum Number of screens			Duration	

Purpose

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

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.	Check the number GUI sessions open	Check whether the number of GUI open sessions exceeds five.	The bot fails 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