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Payment Run Proposal

Product guidelines - v1.0.0

16 Sep 2022



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1 Payment Run Proposal

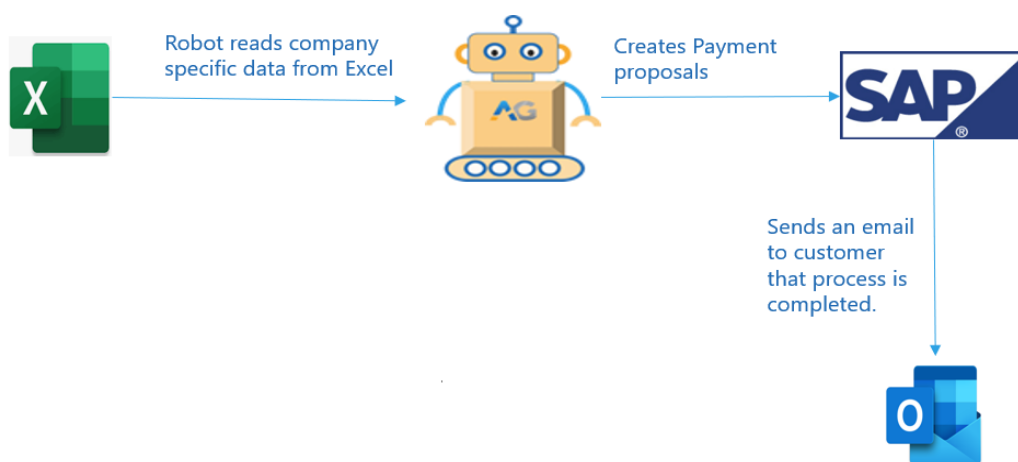
Bot Overview

This process creates Payment proposals for all the company codes.

This bot performs the following tasks:

1. Reads Company specific data from Excel file
2. Logs into SAP T-code F110.
3. Enters company code and Payment related parameters.
4. Creates Payment Proposals and validates for any errors in Proposals.
5. Email sent to the human colleagues with status of each company code.

Workflow Process



Pre-Requisites

1. UiPath Enterprise version 2021.4.5
2. SAP GUI Desktop application SAP S/4 HANA FI/Co configuration
3. Microsoft Excel
4. Microsoft Outlook
5. SAP Credentials should be set in UiPath Orchestrator
6. Shared folder for input and output files

Package Install Steps

1. Download Package
2. Unzip Package into "Drive"
3. Updates to Config File
 - a. Folder updates
 - b. SAP System updates
 - c. Email Updates
4. Create input files and keep in the relevant folder
5. Creating User ID in SAP
 - a. Relevant Permissions
6. Testing SAP Permissions
7. Publish package to Orchestrator
8. Create Robot and Assign Process, Environment & Machine
9. Run Process end to end

Credential Management

The tool does not store any credentials. The credentials are securely stored in UiPath Orchestrator credential asset named PR_Credential_SAP which is used by the robot to get data from SAP.

Stored Credentials

[PR_Credential_SAP] – credentials for SAP login

Please note that the password should be masked. These are the credentials to log into SAP. If these fields are not set properly the bot will fail to log into SAP.

Robot Config File

The path of the config file is stored in orchestrator asset 'PR_configPath'. This config file supplies inputs to payment run automation.

In Config file's Settings sheet, there are three columns with Column A as Name, Column B as Value and Column C as Description

Name	Value	Description
SUMMARYEMAILTOLIST	vijayendra.dasari@agcapps.com	To Email ID
SUMMARYEMAILCCLIST	sridevi.sapram@agcapps.com	CC Email ID
SUMMARYEMAILSUBJECT	Payment Run Automation Summary	Email Notification Subject
ROBOTNAME	RPAPROD	Email account name to send email
EXCEPTIONEMAILLIST	vijayendra.dasari@agcapps.com;sridevi.sapram@agcapps.com	for support notification
ROBOTEMAIL	uipathrobot@agcapps.com	Email id to send email
SMTP_Server	smtp.office365.com	SMTP server
SMTP_Port	587	SMTP Port
EMailEndUser	Vijay	Default User text in email body
OrchestratorFolderPath	PaymentRun	Orchestrator folder path
logF_BusinessProcessName	PaymentRun	Business Process Name
Outlook_Credential	UiPathRobotCREDENTIAL	
SAP_Connection	ED1	
SAP_Client	100	
SAP_Credential	SAPPRODCREDENTIAL	
SAP_Language	EN	
SAP_TCode	F110	SAP Field value
SAP_LogonRetry	1	number of times sap logon will be retried on exception
SAP_LogonRetryInterval	10000	Time Interval between sap logon retry
CompanyCode	5451M, AG01S	

Regular_Identification	AG01S	Regular company codes
Manual_Identification	5451M	Manual company codes
Regular_PaymentMethod	E	Regular Payment method
Manual_PaymentMethod	C	Manual Payment method
Variant1_Prefix	ZJPMGA_XML_	SAP Field value
Variant2	MANUAL	
AccountVendorStart	A	SAP Field value
AccountVendorEnd	zzzzzzzzzz	SAP Field value
SelectionFieldName1	Reconciliation acct	SAP Field value
SelectionFieldValue1	0020450000,0020410000,0020310000,0020350000	SAP Field value
SelectionFieldName2	Payment Method	SAP Field value
SelectionFieldValue2	9,	SAP Field value
AdditionalAccountVendor	zzzzzzzzzz	SAP Field value
AdditionalAccountCustomer	zzzzzzzzzz	SAP Field value
Timeout	5000	Timeout property in activities
ProcessTimeout	5000	Timeout for Process sequence
RetryStatusNumber	10	Number of times status to be refreshed
RetryStatusInterval	6	in sec
Weekend	Saturday, Sunday	Weekend to calculate next working day
OrchestratorNonWorkingDayCalender	2022 - UK Bank Holidays	Orchestrator non-working day calender name
ErrorLogMessage	is contained in proposal	
TestRunDate		10/11/2021 Default is today, unless you assigned this value. Only for testing purpose. It should be empty in Production

Setup Input Files

Input data:

1. Update the Company specific information in the config file.

CompanyCode	5451M, AG01S	
Regular_Identification	AG01S	Regular company codes
Manual_Identification	5451M	Manual company codes
Regular_PaymentMethod	E	Regular Payment method
Manual_PaymentMethod	C	Manual Payment method

Exceptions

- SAP Login, like multi login, password expired and SAP connection, then an error will be logged into error log file.
- SAP Server not available then restart Initialize phase of Robot and try again. Retry to be set to 1 or 2 and then raise application exception if limit reached.
- Proposal period not open : When raising the payment proposal, if the proposal period date is not opened yet, the robot should continue processing and update in comments of the final report 'proposal date not opened yet'.
- Parameters have been already entered: After inputting the company code, if the message 'parameters have been entered' pop up, then robot should continue processing from step 11 not start inputting parameters from step 2.
- Excel application opening/accessing error, while exporting data from SAP.
- New situation never encountered before or may happened independent of the applications used in the process.

The robot creates an execution log that contains valuable information. For exceptions that have not yet been handled by the robot, this log file will help you investigate the exception. The technical support team will access the file to further debug the problem.

Technical things to check

1. Whenever the result produced by the robot is not complete or is different than the expected result, user should manually try to execute all steps of the business process and carefully check for changes in layout, variants used by Robot, etc. Please note that even very small changes, like for example changing one single letter from lowercase to uppercase, could potentially confuse the robot. In case changes are noticed, those are most of the time easy to fix but the user must contact the technical support team.



2. Another potential fact that could affect the robot's behavior is any change in Windows OS, SAP, or MS Office, moving robot to different location or change of user access rights either in Windows or SAP could potentially negatively impact the robot.