

SAP2Invoice Demo

What it does ...

- It extracts either from a Mailfolder unread emails with Invoices attached or takes the Invoice files from a given Directory location.
- It then sends the Files to UiPath Document understanding Service and extracts the relevant fields with ML. It can be displayed in a validation station.
- After that it calls the SAP Transaction FB60 (hardcoded) and enters the relevant data for the extracted Vendor. If CompanyCode is asked 1710 will be entered (hardcoded, all the mail examples are working with Vendors in 1710)
- All extracted results are written into Excel and a Logfile is also created and animation can be switched on/off

Requirements (Language should be English for all apps):

- ✓ SAP GUI installed & configured
 - After you have installed the SAP GUI Client (see UiPath internal Wiki) you need to enable scripting and check Help Settings of the SAP User you want to run the Demo with.
 - [See here](#) how to enable scripting (Server *and* Client side)
 - [See here](#) how to enable Modal Settings in Help (Serverside user context)
 - [See here](#) to check if you have enabled High Speed Connection
 - Set the default date for consistent entries – [see here](#)
- ✓ Office (Excel & Outlook) installed
 - Recommended: Extra Mailfolder with Demo mails (ready in Demo_documents folder)

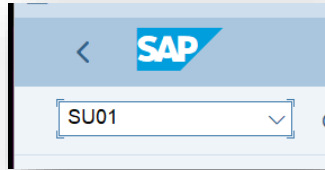
All the rest of the Parameters can be pre-configured in the "default_parameters.xlsx" and many of them can be changed in the first user interaction before the flow starts.

Nice to have:

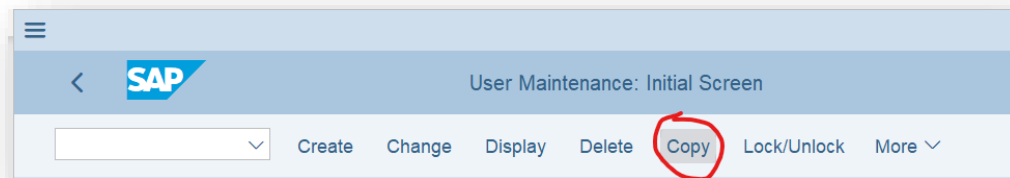
- ✓ If you have an Orchestrator asset for the SAP Login the robot is connected to
In the "default_parameters.xlsx" you can define the asset name and folder
- ✓ Create an own user in SAP.
The Demo should run in any case with UiPath S4H_FIN. However, as more and more do use this user a splash screen may come up telling you someone else has logged on already and need a choice. The LOGON Workflow covers such exceptions but it's not a nice message for customers and may distract. Hence you may want to create your own user.

Creating your own SAP User

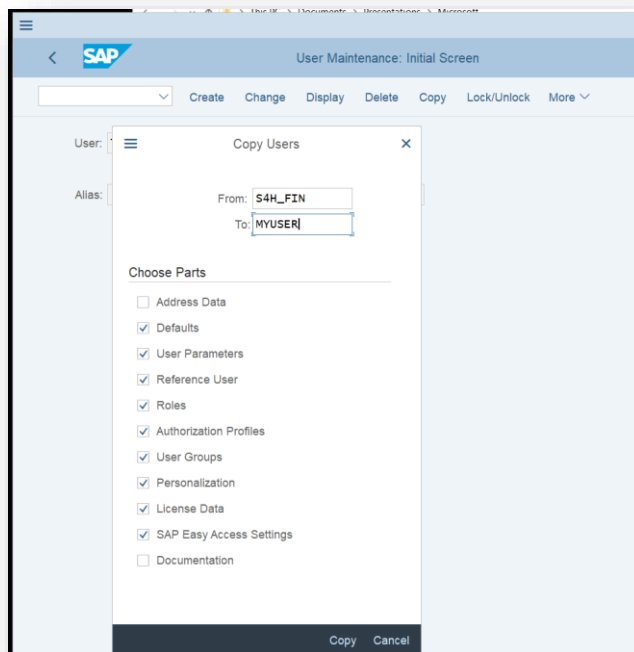
1. Logon to SAP as one of the demo users (works well with S4H_FIN)
Enter transaction code (TCODE) **SU01**



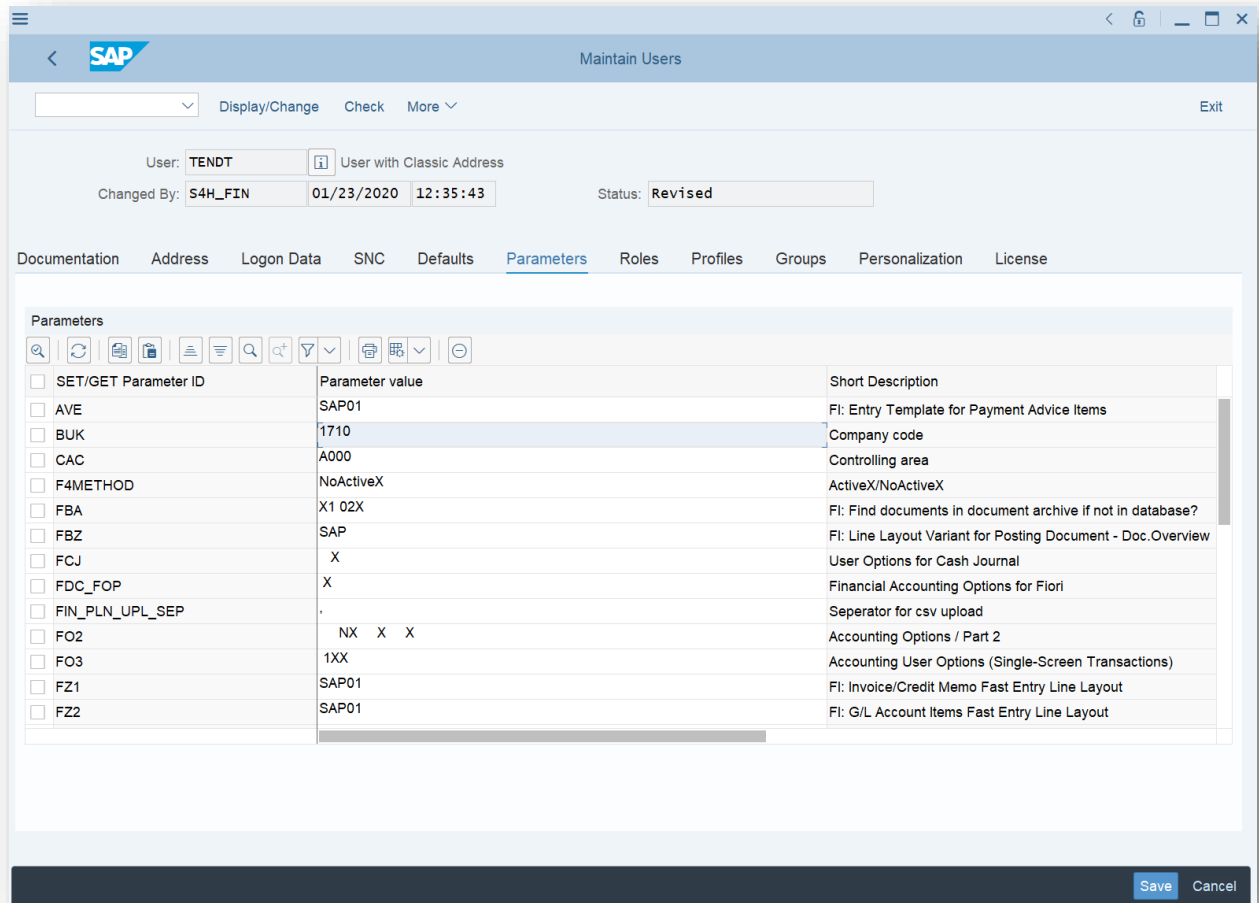
2. Copy an existing user
Click on **"Copy"** or use keyboard shortcut "Shift+F5"



3. Enter source user-id and new user-id and click on "Copy"



4. Add default Company (BUK) for transactions
Select the tab Parameters and add a new line to the parameters table. Parameter ID = BUK,
Value of the default Company = **1710** (The SSD Workflow is optimized for that)



The screenshot shows the SAP 'Maintain Users' transaction with the 'Parameters' tab selected. The user 'TENDT' is displayed with a status of 'Revised'. The 'Parameters' table lists various system settings for the user.

Parameter ID	Parameter value	Short Description
SET/GET Parameter ID	SAP01	
AVE	1710	FI: Entry Template for Payment Advice Items
BUK	A000	Company code
CAC	NoActiveX	Controlling area
F4METHOD	X1 02X	ActiveX/NoActiveX
FBA	SAP	FI: Find documents in document archive if not in database?
FBZ	X	FI: Line Layout Variant for Posting Document - Doc.Overview
FCJ	X	User Options for Cash Journal
FDC_FOP		Financial Accounting Options for Fiori
FIN_PLN_UPL_SEP	NX X X	Seperator for csv upload
FO2	1XX	Accounting Options / Part 2
FO3	SAP01	Accounting User Options (Single-Screen Transactions)
FZ1	SAP01	FI: Invoice/Credit Memo Fast Entry Line Layout
FZ2	SAP01	FI: G/L Account Items Fast Entry Line Layout

5. Set your initial Password

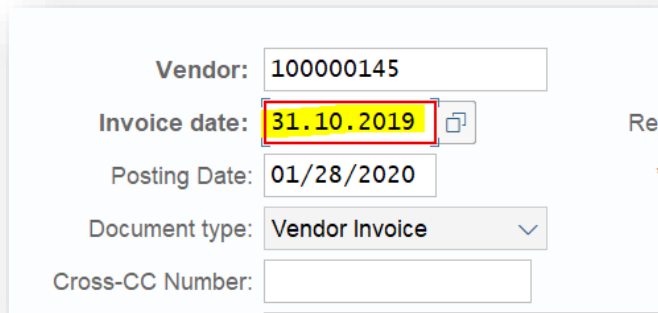
Select the tab "Logon data" and provide the initial Password. If you have a default Password for running the flow later in mind, do **not** enter now, as with the first Logon you need to change it again.



The screenshot shows the 'Password' dialog box in SAP. It includes a 'New Password Rules (Case-Sensitive)' icon, a 'New Password' field, a 'Repeat Password' field, and a 'Password Status' label.

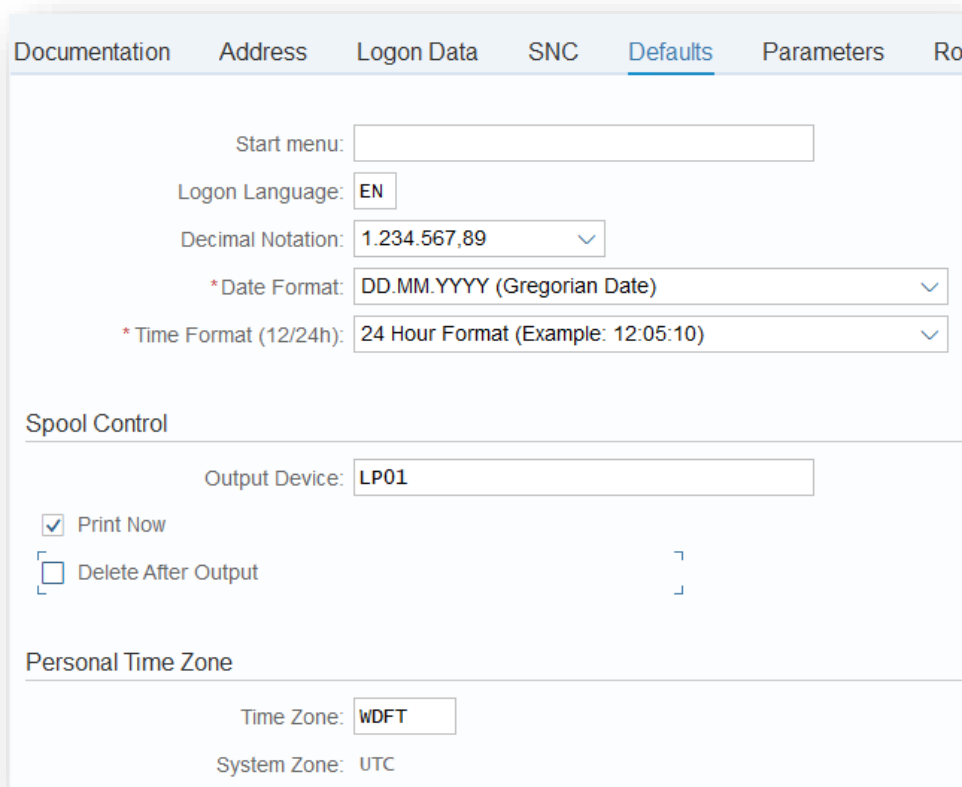
6. Set Default Date format

To match the way the date is entered into SAP by the robot and the date SAP creates by it's own you should change in the "defaults" Tab the date to "Gregorian with .". Otherwise you may get a mix like such:



A screenshot of a SAP form for creating an invoice. The fields are: Vendor: 100000145; Invoice date: 31.10.2019 (highlighted with a red box); Posting Date: 01/28/2020; Document type: Vendor Invoice; Cross-CC Number: (empty). The date formats are inconsistent, showing both DD.MM.YYYY and MM/DD/YYYY.

In addition you may also want to change the decimal Notation and your time zone (not necessary for the flow)



A screenshot of the SAP 'Defaults' configuration screen. The tabs at the top are: Documentation, Address, Logon Data, SNC, Defaults (selected), Parameters, and Ro. The configuration includes: Start menu: (empty); Logon Language: EN; Decimal Notation: 1.234.567,89; * Date Format: DD.MM.YYYY (Gregorian Date); * Time Format (12/24h): 24 Hour Format (Example: 12:05:10). Under 'Spool Control', Output Device is LP01, 'Print Now' is checked, and 'Delete After Output' is unchecked. Under 'Personal Time Zone', Time Zone is WDFT and System Zone is UTC.

7. Logoff from current and first Logon with your new User

When you Logon the first time, you need to change your initial Password. The once logged on, you need to adjust one more thing

8. First time with your new user logged on – Change F4 help

Select on the main menu "More > Help > Settings" and then select:

F1-HELP: "in modal dialog box"

F4-HELP: "dialog modal"

