

Week 4: Further Topics

Unit 1: SAP Connector – SAP GUI

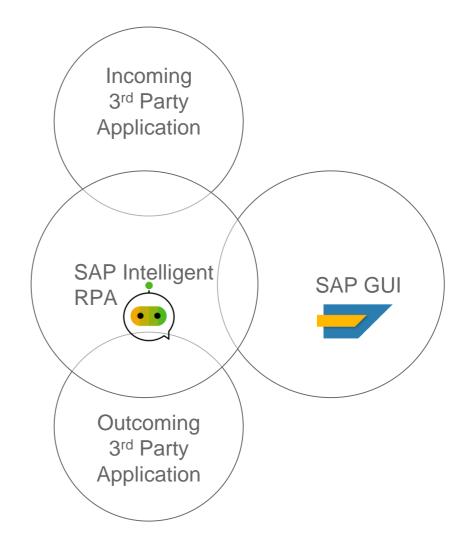




Overview

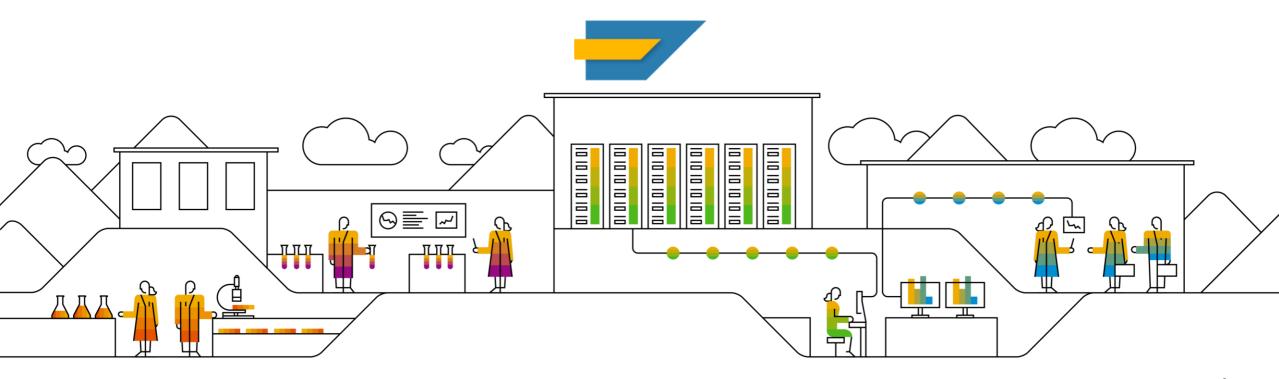
SAP Intelligent Robotic Process Automation provides a dedicated driver for enabling end-to-end business processes

- SAP GUI Scripting allows to automate SAP GUI
- SAP Intelligent RPA allows to automate SAP GUI and beyond



SAP GUI Scripting

SAP GUI Scripting

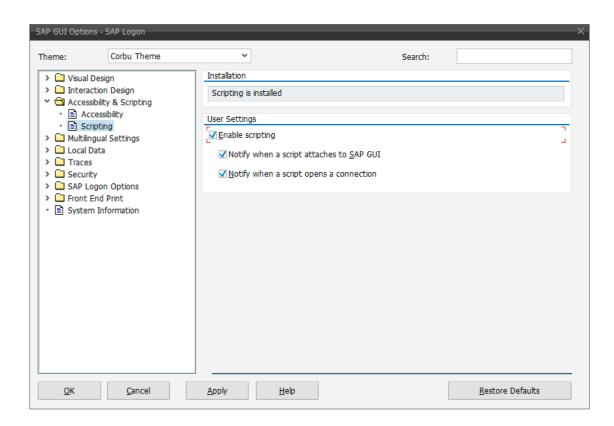


Enable SAP GUI Scripting

Check and enable scripting "client side"

Check if scripting is enabled

- Uncheck "Notify when a script attaches to SAP GUI"
- Uncheck "Notify when a script opens a connection"

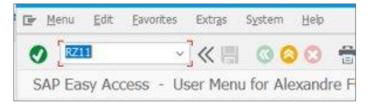


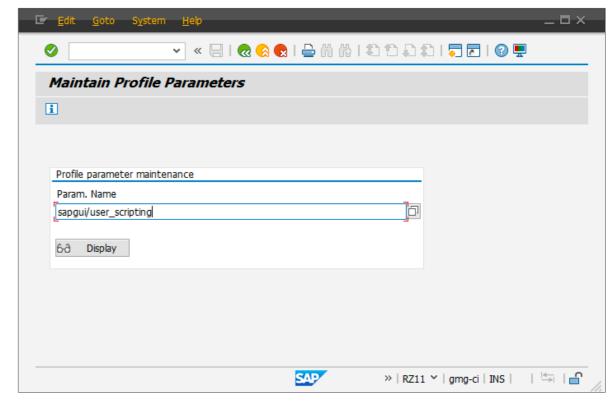
Enable SAP GUI Scripting

How to enable scripting "server side"

Enable scripting (server side)

- Launch transaction RZ11
- Enter sapgui/user_scripting
- Click Display



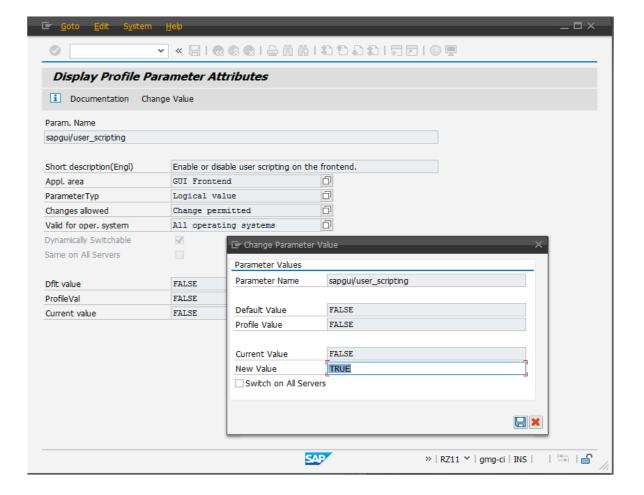


Enable SAP GUI Scripting

How to enable scripting

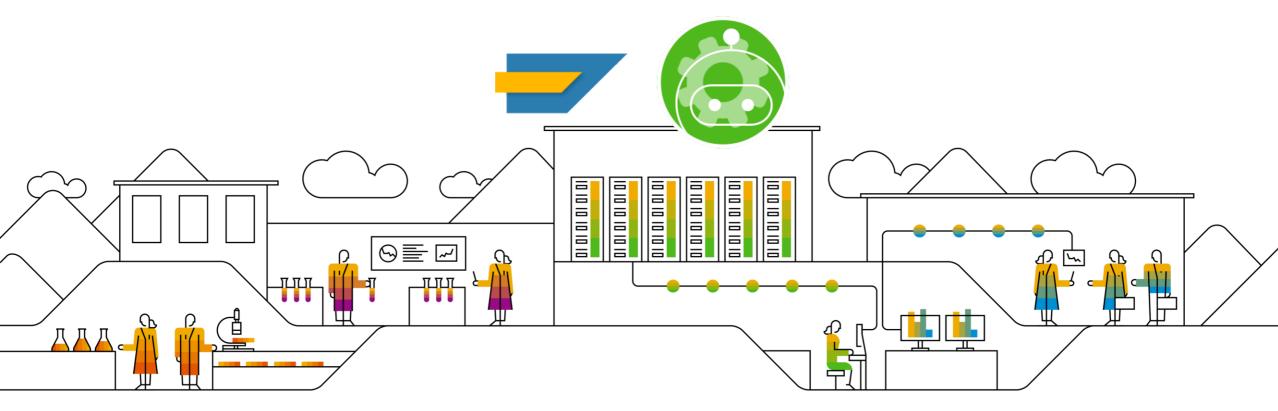
Within Display Profile Parameter Attributes

- Choose Change Value
- Enter TRUE in the new value field
- Click Save

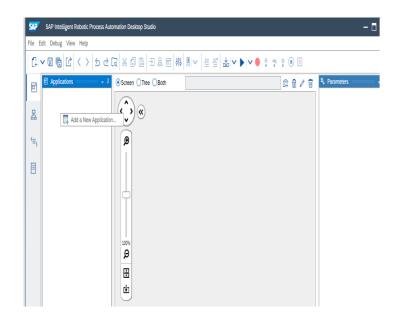


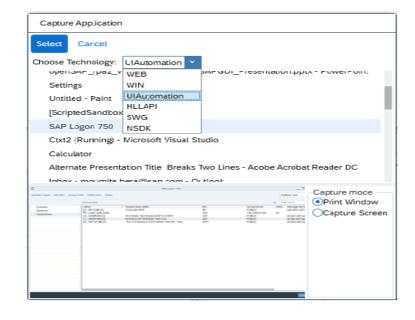
Capture in Desktop Studio

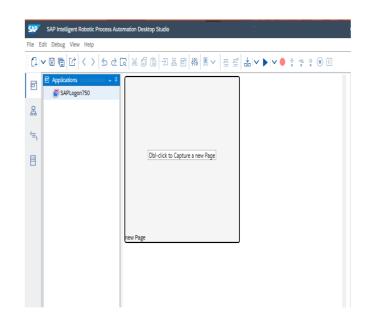
SAP GUI + Desktop Studio



Desktop Studio – Application capture







Launch the Studio

- Launch the SAP GUI for Windows
- Create a new project
- Right-click "Add a new Application"

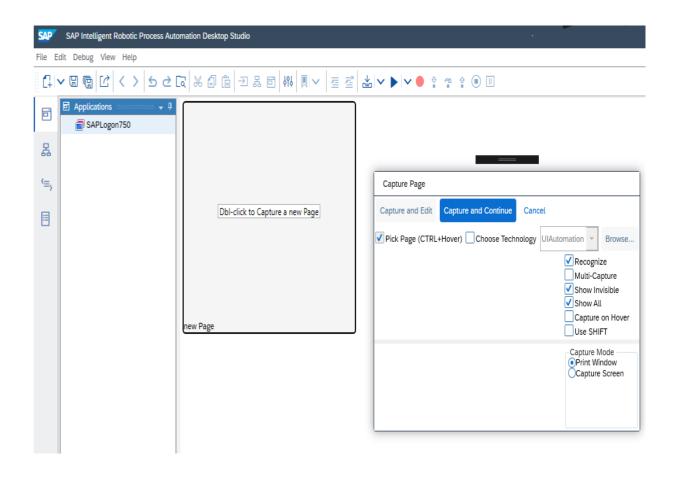
- Choose the UIAutomation technology driver
- Select the SAPLogon application in the list

 You now have SAPLogon in the Explorer view

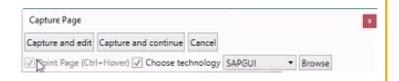
Desktop Studio – Page capture

Double-click to capture a new page

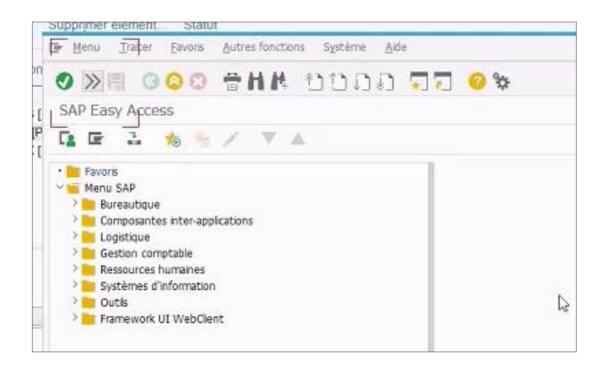
- A Capture Page dialog appears
- Now you can switch the focus to the SAPLogon application



Tip: You usually do not need to choose the technology. Select only if required.

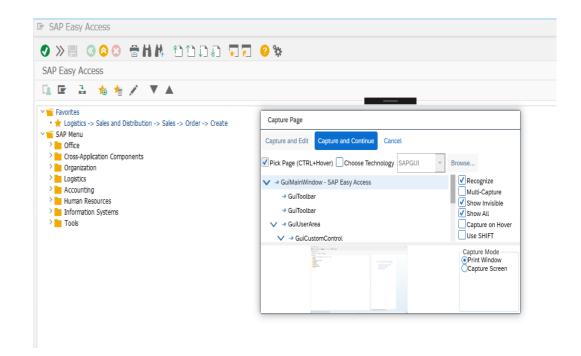


Desktop Studio – Page capture



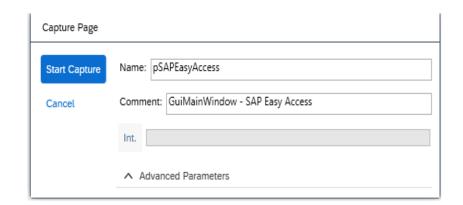
Switch to SAPLogon app

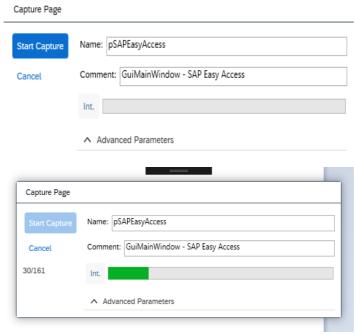
- Mouse over and press Control
- A red box will appear

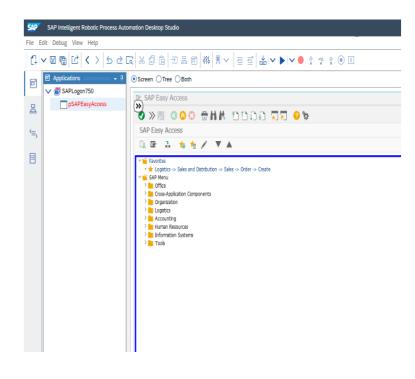


- The list of all UI elements will appear in a hierarchical fashion
- Once ready, click "Capture and Edit"

Desktop Studio – Page capture





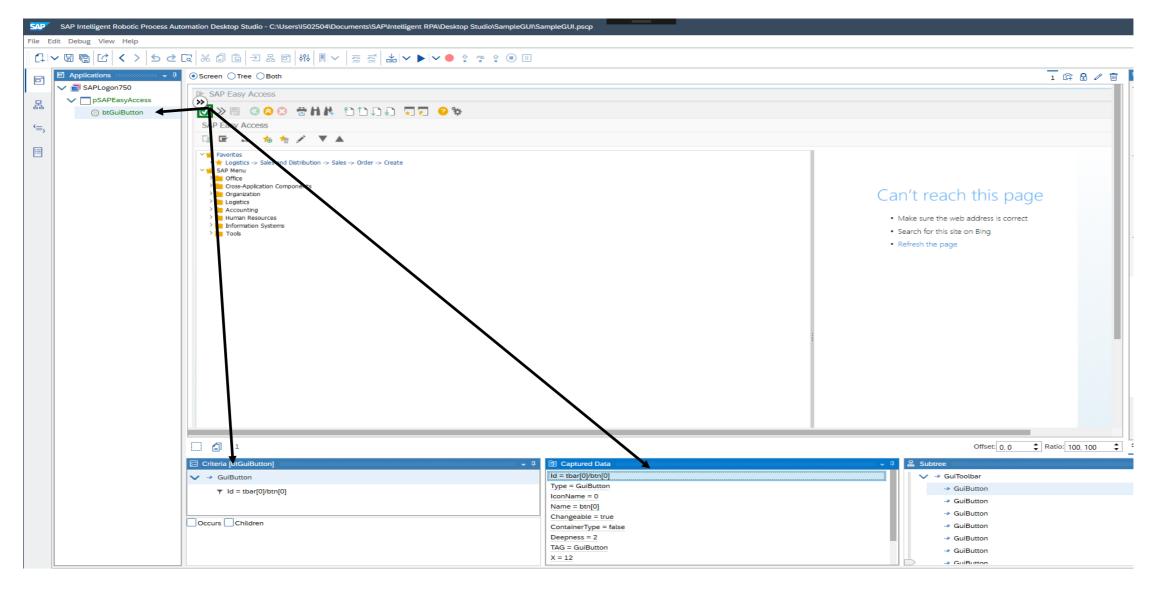


Click "Start capture"

The process will start

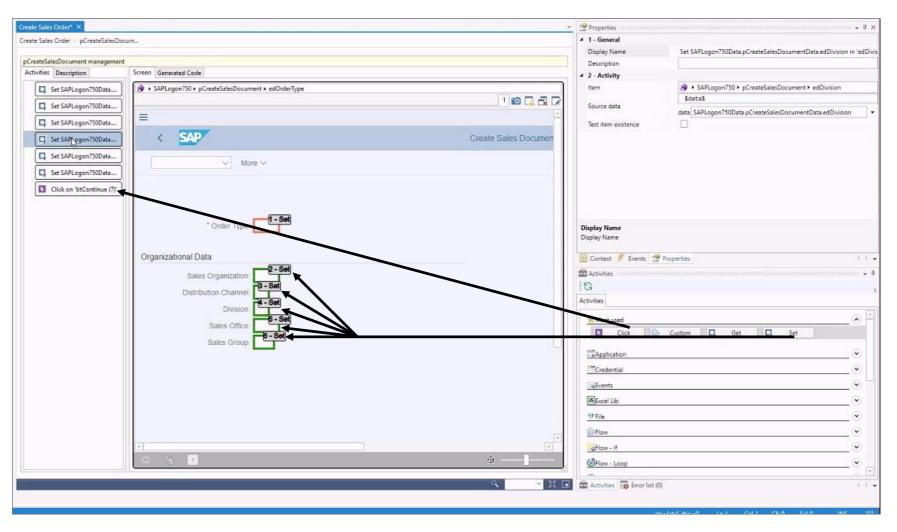
 The process will take some time Once finished, the page will appear in your project structure

Desktop Studio – Page and items declaration

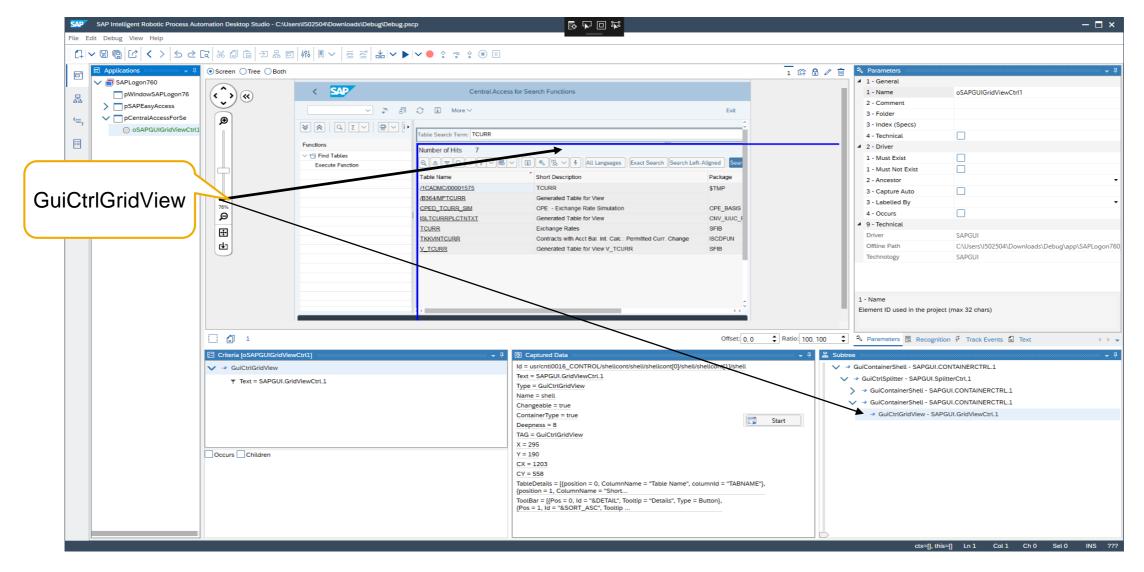


Link the corresponding activities to the UI elements

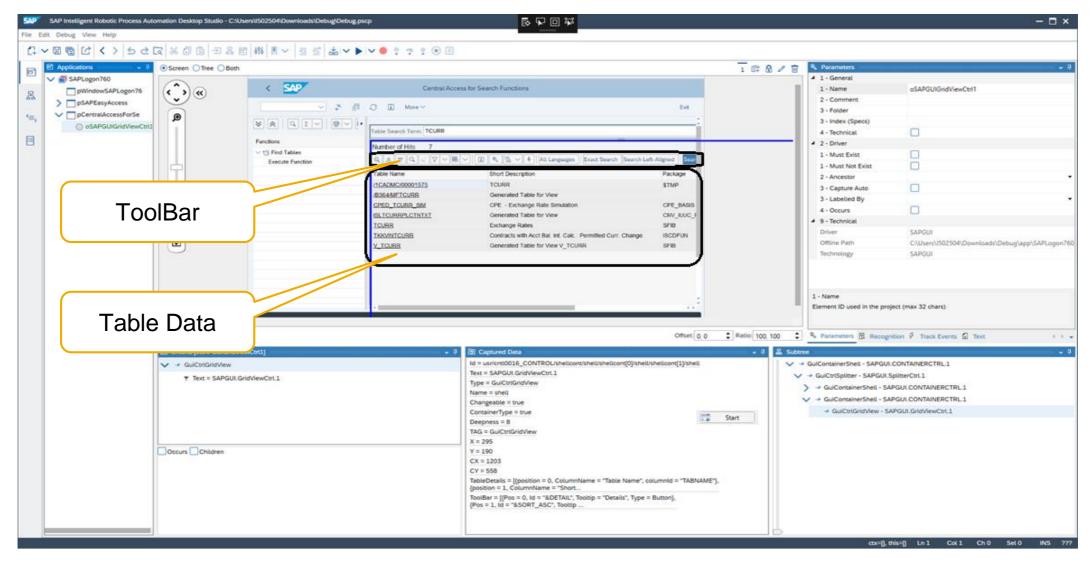
- Set to enter a value
- Get to retrieve a value
- Click... to click!



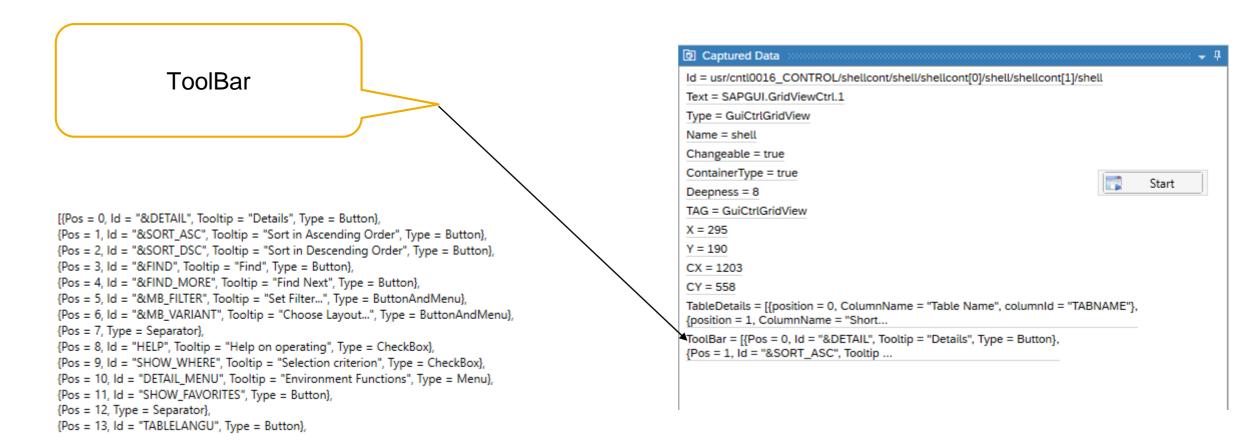
GuiCtrlGridView



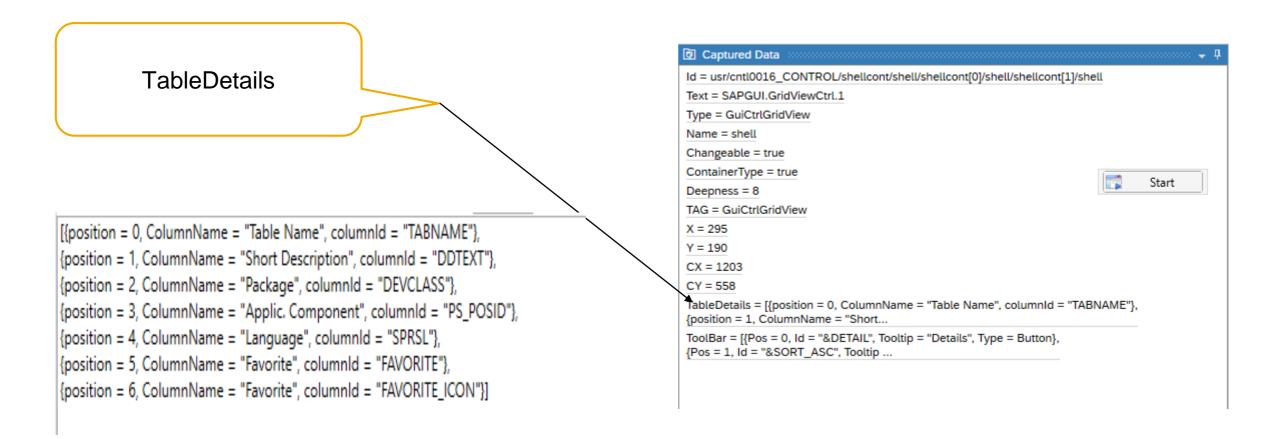
GuiCtrlGridView



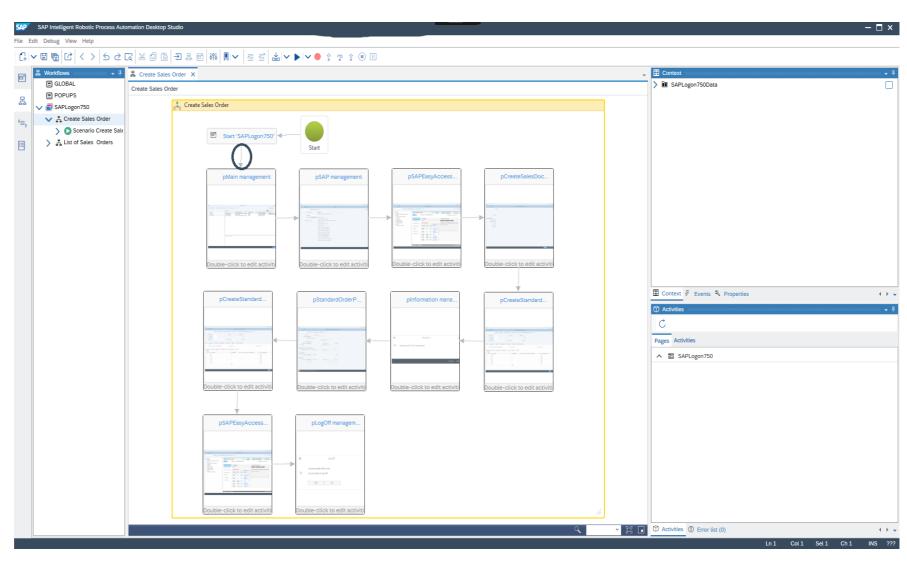
Capture and get GuiCtrlGridView ToolBar details



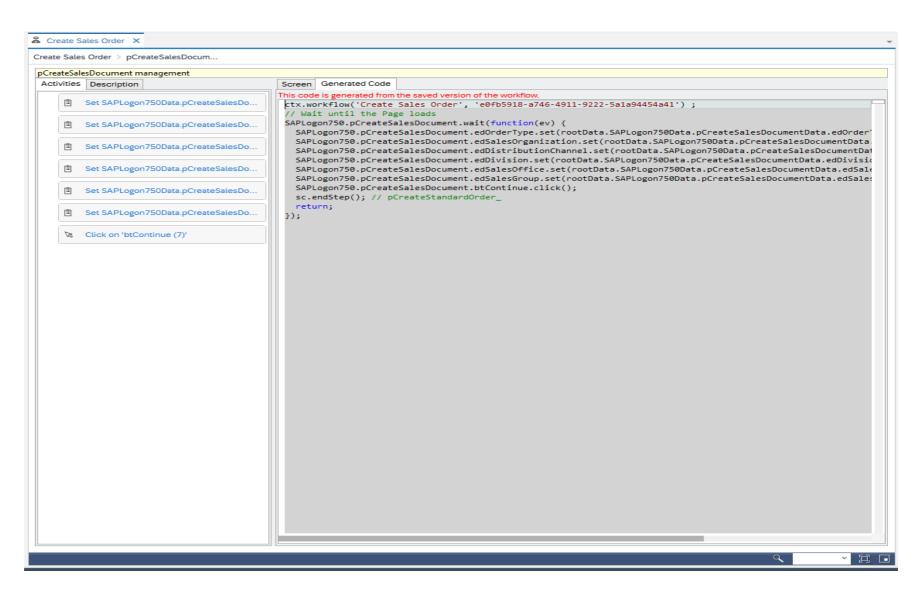
Capture and get GuiCtrlGridView TableDetails



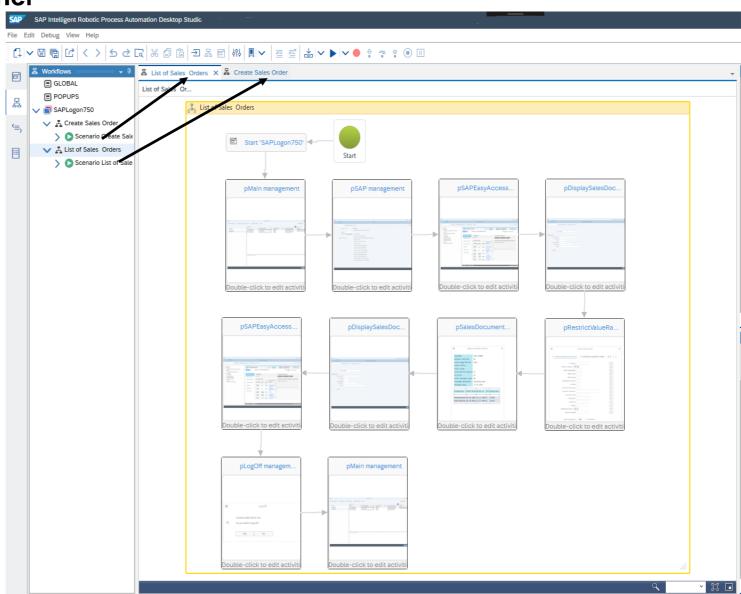
Map and link your pages within the Workflow Designer



Get access to the generated code



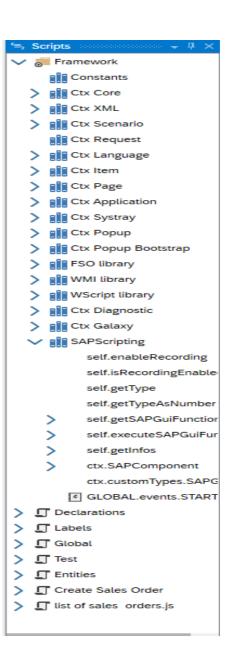
Several scenarios can be displayed with tabs



Desktop Studio – How it works

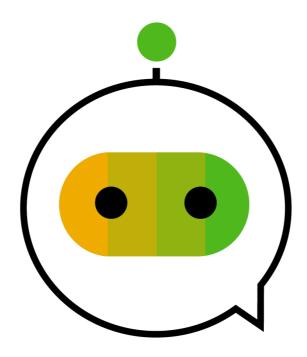
SAPScripting is part of the SDK

- Regular SDK methods (set, get, click...) are rerouted to the corresponding SAPScripting methods/SAP GUI elements
- Specific UI elements are then identified



Summary

Automate SAP GUI Application



Thank you.

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