



AD182 - Build Process Automations and Extensions to SAP Solutions

Public

Overview

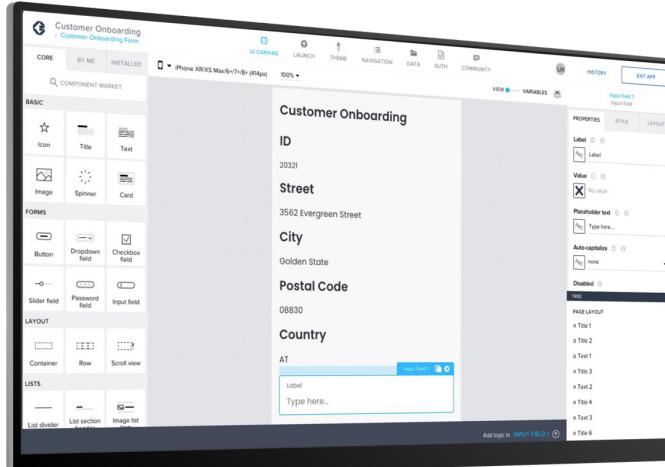


SAP Build

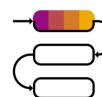
Create and augment enterprise apps, automate processes, and design business sites, all visually



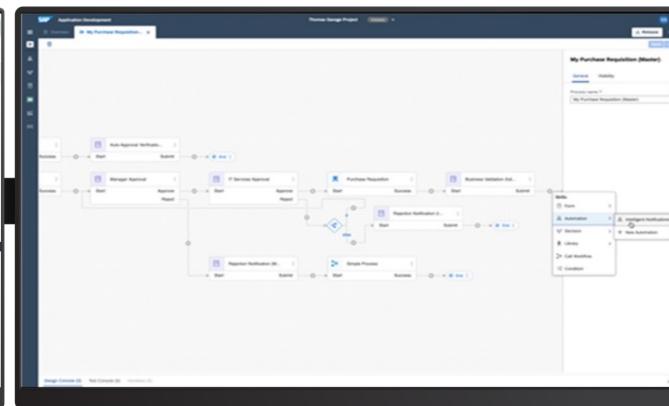
Compose apps



SAP Build Apps



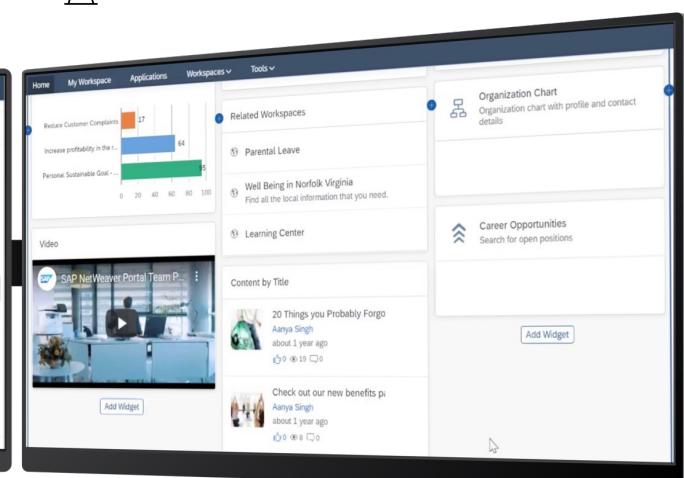
Automate processes



SAP Build Process Automation



Design business sites



SAP Build Work Zone

Build visually

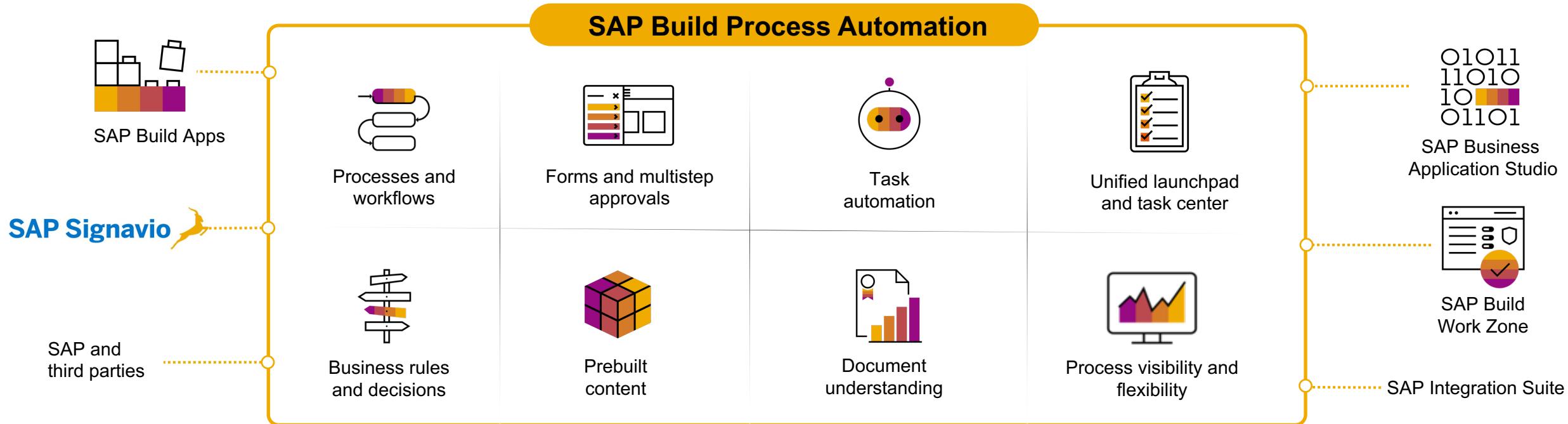
Integrate smoothly

Collaborate effectively

SAP Business Technology Platform

SAP Build Process Automation

Capabilities: Citizen automation and workflows for line-of-business builders

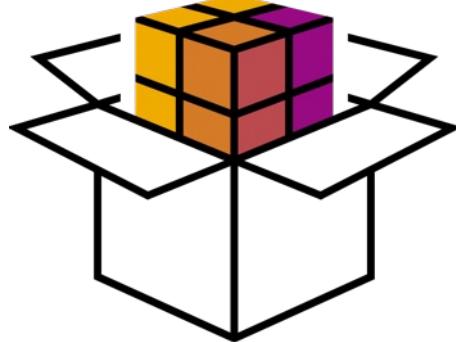


Key news at SAP TechEd 2022

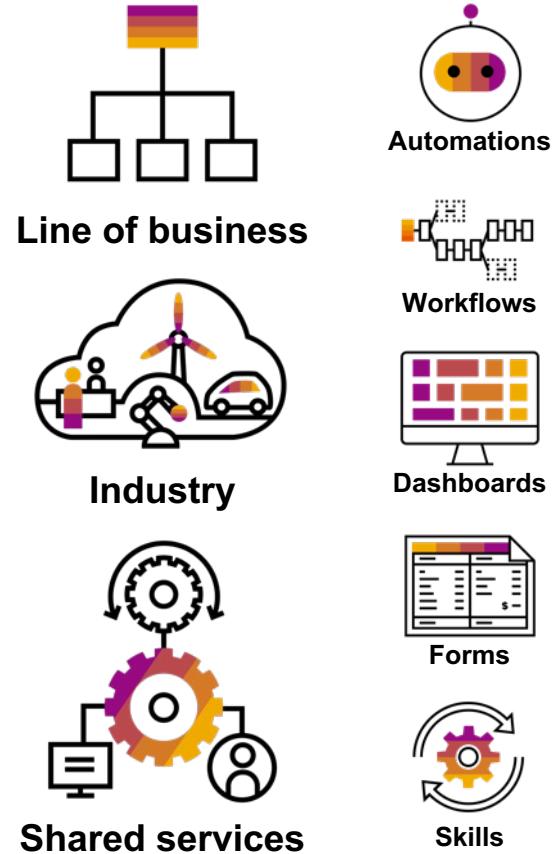
- **New integration between SAP Signavio solutions and SAP Build Process Automation** enables over 135 tailored process improvement recommendations to be automatically triggered and executed, helping customers continuously monitor their processes and automatically optimize them as needed.
- **SAP Build Process Automation users can now automate Google Workspace applications** in their processes; for instance, they can extract and change data from Google Sheets, retrieve dates from Google Calendar, and automatically upload files to Google Drive.

Accelerate business transformation with prebuilt content packages

Jump-start automation development while making use of best practices



250+
content packages



Increase the power of your business application

Automations & process extensions for

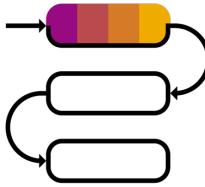
- SAP S/4HANA
- SAP ECC
- SAP SuccessFactors
- SAP Ariba
- SAP Business ByDesign
- SAP Fieldglass
- SAP Industry Cloud Automotive

Covering every LoB and several industry best practices

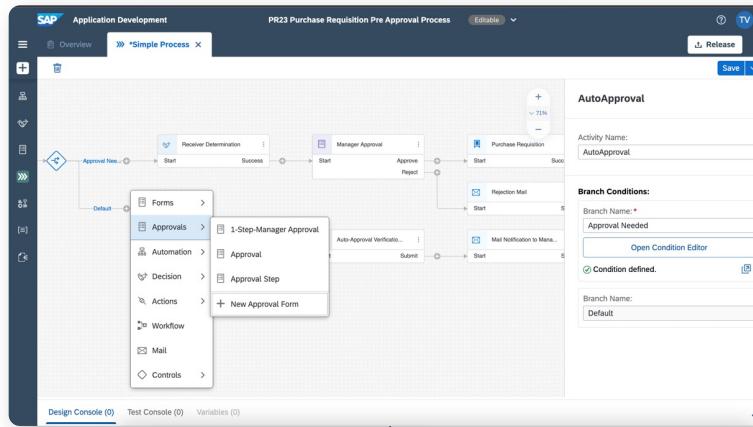
- | | |
|--------------------|--------------------|
| • Sales | • Retail |
| • Finance | • Utilities |
| • Procurement | • Manufacturing |
| • Human Resources | • Automotive |
| • Supply Chain | • Real Estate, ... |
| • Asset Management | |
| • Sustainability | |
| • Cross LoB | |

SAP Build Process Automation

Automate simpler, faster and confidently



Process Builder



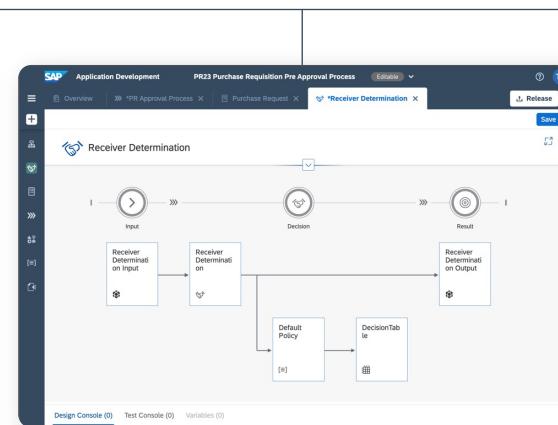
One **Process Builder** combining Workflow, Rules, Robotic Automations & Visibility in a simple intuitive modeling language

Orchestrating forms, bots, business rules

Integrated in SAP Task Center

Forms & Document Extraction

Automation Bots



Business Rules

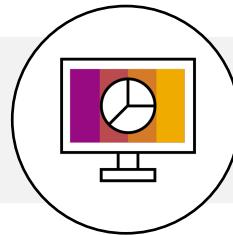
Task Center

SAP Build Process Automation use cases

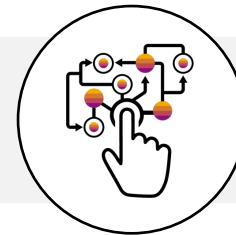
Get inspired and start today



Automate manual,
repetitive tasks



Enable “lights-out”
automation of high-volume
process steps



Automatically aggregate
data from multiple systems

Lead to cash

Capital expenditure approvals

Invoice approvals

Account opening

Hire to retire

Relocation

Visa permits

HR employee self-services

Management of contingent
workers

Design to operate

Master data record updates

Document approvals

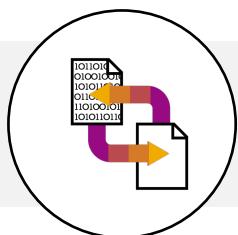
Lead-generation workflows

Source to pay

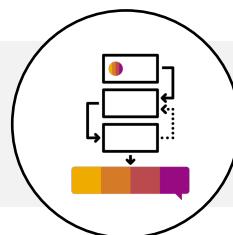
Return-order process

Incident management

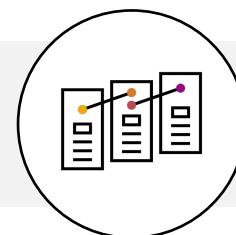
Procurement data collection



Digitalize manual and
semi-automated processes



Extend and adapt
standard application flows



Automate comprehensive
cross-application workflows

Exercise Overview - Basic



Today's Use Case: Sales Order Management

Process Description

Scenario: Sales Orders from different customers need to be handled differently based on the sales order amount. There might be a dedicated approval necessary, before the sales order can be placed in SAP S/4HANA.

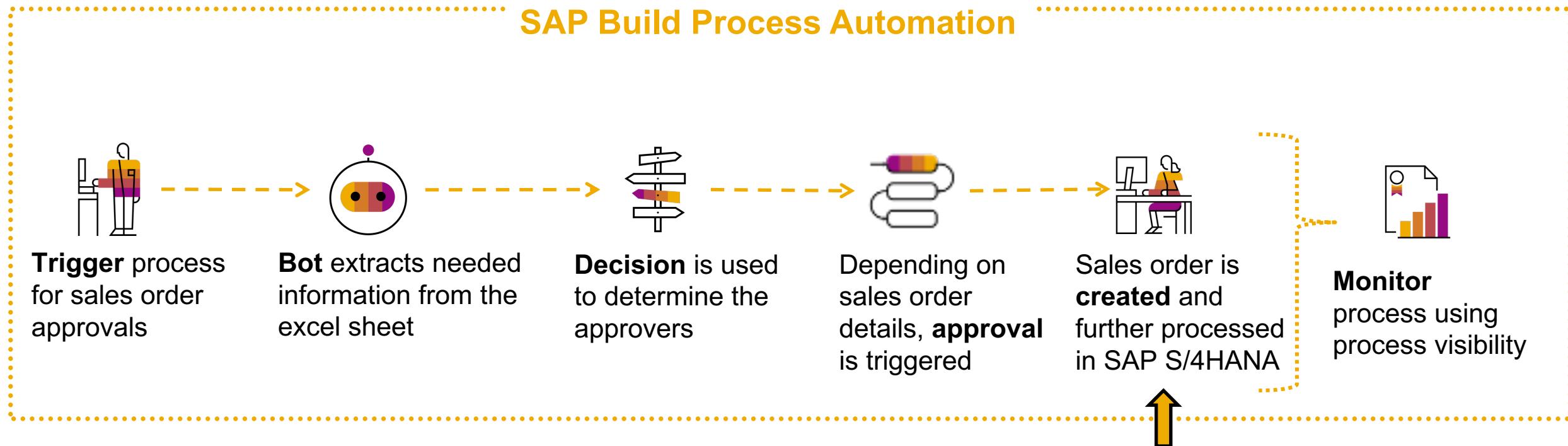
Before

- All sales orders are stored in an XLS sheet
- Employee in sales department is **checking manually the status** of the orders
- Urgent orders are **sent via email for approval**, in case they are above a certain amount
- **Another XLS sheet** is checked to **identify the correct approvers**
- Approver **replies via email** to the sales department
- Sales order can be placed in SAP S/4HANA

After

- Bot is **automatically extracting the correct sales order details** from the XLS sheet.
- Based on the amount of the order, it is either **automatically approved** or requires manual approval.
- **Decision is automatically determining the correct approvers** based on sales order details.
- Approver receives notification in **My Inbox** application and works on it.
- Sales order is **created in the backend SAP S/4HANA** after the approval is done from the business process.
- In addition, whole process can **be managed and monitored** using out-of-the-box visibility.

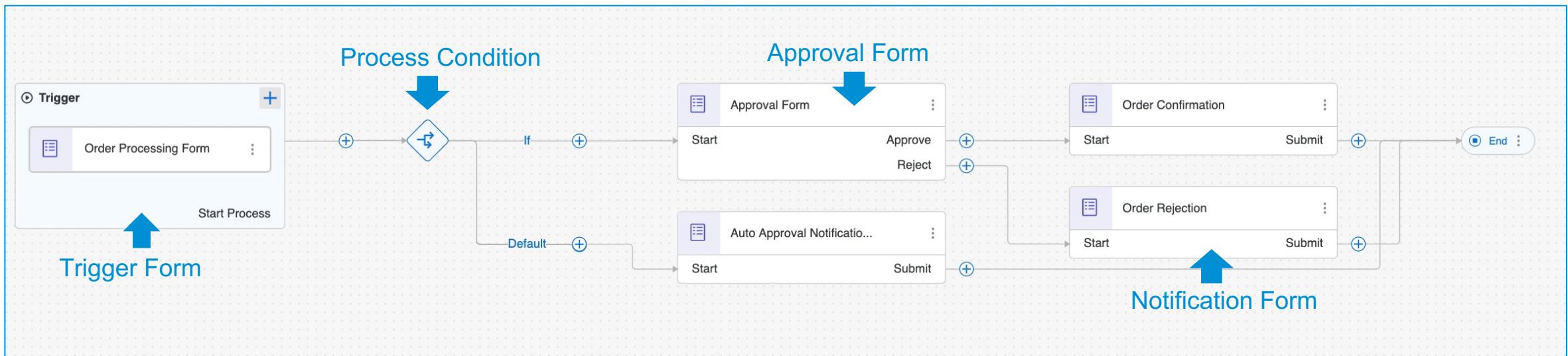
Example: Automate sales order processing



[Join AD261](#) to learn
how to do connect to
external systems

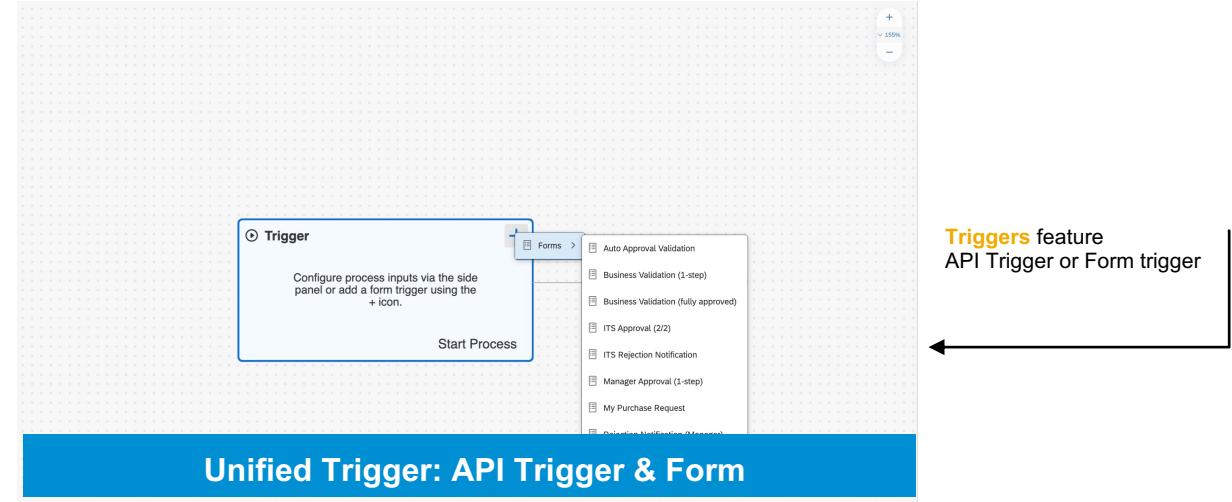
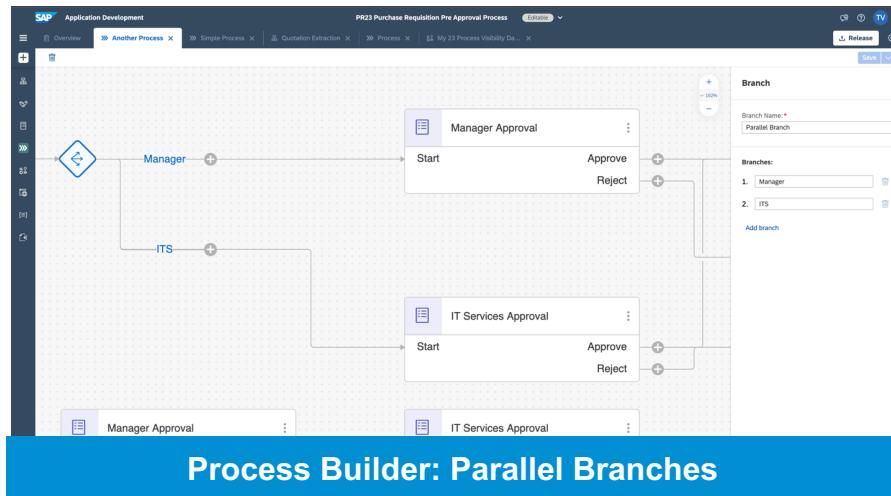
[Basic] Build Your First Business Process with SAP Process Automation

- Setup your environment [IMPORTANT]
- Exercise 1 : Build Your First Business Process with SAP Build Process Automation
 - Exercise 1.1 - Create Business Process
 - Exercise 1.2 - Create and Configure Forms
 - Exercise 1.3 - Create Process Conditions
 - Exercise 1.4 - Release, Deploy and Run Business Process



Process Automation – What we have released Q3 2022 (highlights)

Process & Form Builder Enhancements



Process UI: Forms Builder supports attachments (files), choices (radio buttons), drag&drop, creation of approvals based on a form, copy / duplicate forms

Form Builder: Enhancements

Process Builder 'Enhancements' feature Email tasks with a rich email editing experience

Process Builder: Email Tasks

Process Automation – What we have released in Q3 2022 (highlights)

Automation Enhancements

The screenshot shows the SAP Application Development interface for the Google Vision AI SDK. The title bar indicates "Google Vision AI SDK 1.29.30 Released". The main content area displays the following details:

- Last updated on: August 29, 2022
- Created on: August 29, 2022
- By: ashish.kaul01@sap.com
- Description: The Google Vision AI SDK is a collection of activities allowing you...

Below this, there's a section titled "Artifacts (2)" with a table:

Name	Description	Type
Errors	Google Vision AI Errors	Module
Google Vision AI Activities	Set of activities related to the VisionAI capabilities in Google Cloud Platform.	Module

A blue banner at the bottom of the screen says "Google Vision AI SDK".

Automations include now Goolge Vision AI SDK with OCR support

The screenshot shows the Desktop Agent interface for Agent 3. The title bar indicates "Desktop Agent". The main content area displays the following information:

- Idle**: Connected to a tenant, waiting for a project to be loaded. Version 3.8.51.
- Agent Mode:** Attended
- Active Project**: No active project yet.
- Agent Events**: Errors 3, Warnings 0
- Selected Tenant**: SPA ADOPTION Active

A blue banner at the bottom of the screen says "Agent 3".

Desktop Agent 3

The screenshot shows the SAP Application Development interface for the Google Document AI SDK. The title bar indicates "Google Document AI SDK 1.29.35 Released". The main content area displays the following details:

- Last updated on: August 30, 2022
- Created on: August 30, 2022
- By: ashish.kaul01@sap.com
- Description: As part of the integration of SAP Process Automation with Google AI...

Below this, there's a section titled "Artifacts (2)" with a table:

Name	Description	Type
Errors	Google Document AI Errors	Module
Google DocumentAI	Activities related to the DocumentAI capabilities in Google Cloud Platform.	Module

A blue banner at the bottom of the screen says "Google Document AI SDK".

Automations feature
Google Document AI SDK

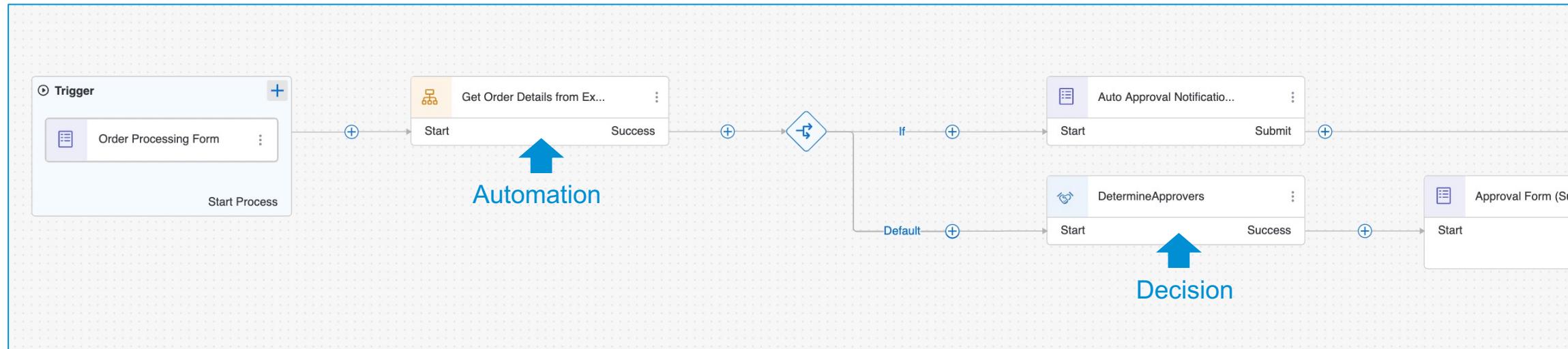
- Smart Update
- Simplified first download
- Faster project switching
- Modern Technology and Architecture
- Easy UI for Version Management
- RDP Manager

Exercise Overview - Intermediate



[Intermediate] Boost your Business Process with Automation, Decision and Process Visibility

- Exercise 2 - Enhance Business Process with Automation, Decision and Process Visibility
 - [Exercise 2.1 - Create Automation](#)
 - [Exercise 2.2 - Create and Configure Decision](#)
 - [Exercise 2.3 - Add Process Visibility Scenario](#)
 - [Exercise 2.4 - Release, Deploy and Run Business Process](#)



Process Automation – What we have released Q3 2022 (highlights)

Governance & Action Projects

Manage members of a project (Viewer, Admin, Developer) for Governance & Shareability (sharing projects with specific users)

Import / Export Projects

The screenshot shows the SAP Application Development interface with a focus on governance. A modal window titled 'Project Members' is open, allowing users to add or remove project members with specific authorization levels like 'Viewer' or 'Developer'. Below the modal, a list of projects is shown, including 'SAP Intelligent RPA WEB SDK', 'Test M Automation', and 'Thomas George Project'. A large blue banner at the bottom reads 'Manage Projects / Governance & Transport'.

Project 'Enhancements' feature undeploy / redeploy of projects (automations first)

The screenshot shows the SAP Application Development interface with a focus on project management. A list of artifacts is displayed, including '1-Step-Manager Approval', 'Another Process', 'Approval', 'Approval Step', 'Approvers', 'Auto-Approval Verification', 'Business Validation (1-Step)', 'Business Validation (fully approved)', 'IT Services Approval', and 'Manager Approval'. A large blue banner at the bottom reads 'Project: Undeply / Redeploy'.

The screenshot shows the SAP Action Editor interface. A modal window titled 'Create a purchase requisition in S4HANA' is open, showing the configuration of an action. It includes sections for 'Parameter' and 'Body', where various parameters like 'Plant', 'Material', 'Quantity', 'Description', and 'DeliveryDate' are defined with their respective types and values. A large blue banner at the bottom reads 'NEW Action Editor'.

One **Action Editor**
New Action Editor that Displays, Maintains, and Manages Actions.
Now that you have imported your actions through an OpenAPI specification file, you can maintain and modify them using the new Action Editor.

The screenshot shows the SAP Application Development interface with a focus on process automation. A process model is displayed with a 'Trigger' node connected to a 'Start' node, which then leads to a 'New Business Rule' node. A 'Sales Order' node is also present. A modal window titled 'Create Destination Variables directly for actions after Import into the process model' is open, showing a list of destination variables. A large blue banner at the bottom reads 'UX Improvements on Destinations'.

Create Destination Variables directly for actions after Import into the process model

Process Automation – What we have released in 2022 (highlights)

Process Visibility Enhancements

This screenshot shows the SAP Application Development interface for the PR22 Purchase Requisition Pre Approval Process. It displays a list of events grouped by step, including StartEvent, Manager Approval, Auto-Approval Verification, IT Services Approval, and various rejection and validation notifications. A sidebar on the left provides navigation options for process visibility.

Process Visibility 'Enhancements include now SAP BPM & Qualtrics Surveys

Process Visibility on SAP BPM, Qualtrics Surveys

This screenshot shows the SAP Application Development interface for the PR22 Purchase Requisition Pre Approval Process. It displays a dashboard titled 'My 23 Process Visibility Dashboard' with various performance metrics and charts. A sidebar on the left provides navigation options for process visibility.

Process Visibility 'Enhancements feature direct dashboard access

Process Visibility: Direct dashboard access

This screenshot shows the SAP Lead to Cash interface. It displays a lead record for Shalini Schneider and a phase view showing the 'Create Lead' and 'Convert Lead' steps. The 'Create Lead' step is completed, while 'Convert Lead' is in progress. A sidebar on the left provides navigation options for process visibility.

Process Visibility 'Enhancements include re-designed Phase View

Process Visibility: Phase View Design

This screenshot shows the SAP Application Development interface for the My 23 Process Visibility Dashboard. It displays a detailed view of a process step named 'Auto-Approval Verification'. The step status is completed, and the cycle time is 1.11 Minutes. A log entry shows the start and completion times. A sidebar on the left provides navigation options for process visibility.

Process Visibility 'Enhancements feature Step Type details

Process Visibility: Step Details

Process Automation – What we have released in 2022 (highlights)

Business Rules Enhancements

Business Rules: Wizard

Wizard-based approach to create new rules as Decision Tables or Text Rules

Business Rules: Import / Export

XLS Export / Import of decision tables

Data Type Import (XLS)

Data Type includes a new feature to import data models

Business Rules: Multi select Option

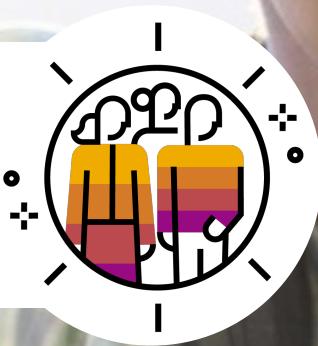
Multi select option with list output in decision table

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topics/process-automation](https://community.sap.com/topics/process-automation)



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products/citizen-developer](https://learning.sap.com/products/citizen-developer)



Learn more about SAP Build Process Automation at SAP TechEd

Lectures

- **AD101:** Speed Business Transformation with App Development and Automation Tools
 - **AD109:** Improve, Automate, and Extend Business Processes with Low-Code/No-Code Tools
 - **AD110:** Automate Arvato Systems - Bertelsmann Using SAP Build Process Automation
-

Virtual workshops

- **AD182:** Build Process Automations and Extensions to SAP Solutions
 - **AI180:** Automate Your Invoice Processing with SAP Build Process Automation
-

Breakout session

- **AD215:** Get More From Your Bots: It's SAP Build Process Automation

In-person workshops

- **AD160:** Build Robust Apps Enhanced with Process Automation and Low-Code Tooling
- **AD261:** Extend and Improve Standard Application Processes Easily
- **DT262:** Execute Bots Rapidly in SAP S/4HANA Cloud with SAP Build Process Automation

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Expand your
conference experience:



- Connect with experts, share your knowledge, expand your network, and collaborate with peers in **SAP Community**
- Network with other participants in the group for **SAP TechEd** and join the **SAP Learning Groups** to get your learning questions answered



1. Pearson VUE's Latest "Value of IT Certification" Study Highlights Benefits of IT Certification in Challenging Times," Pearson Education Inc., May 25, 2021.

2. Chuck Cooper, [Why Get IT Certified? The Value of IT Certification: An IT Certification White Paper](#), IT Certification Council, March 2021.

Thank you.

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