

SAP Build Process Automation

Certification: [C_CPE_16](#)

Getting started with SAP Build Process Automation

Pre-requisites

- Setting up SAP Build Process Automation using the Booster
- Install and setup desktop agent

<https://tools.hana.ondemand.com/#cloud>

SAP Process Automation: Desktop Agent 3 for Trial

SAP Process Automation is a hybrid solution composed of both cloud and desktop components.

Find below the Desktop Agent 3, that is required to execute your automations.

For more information on how to install and configure the Desktop Agent 3, see the [documentation](#).

Operating System	Version	File Size	Download
Windows (x86_64)	3.24.54	270.9 MB	sap-process-automation-3.24.54.exe (sha1)
Mac OS X (arm64)	3.24.57	155.2 MB	sap-process-automation-3.24.57_darwin-arm64.pkg (sha1)
Mac OS X (arm64)	3.24.57	157.3 MB	sap-process-automation-3.24.57_darwin-arm64.zip (sha1)
Mac OS X (x64)	3.24.57	161.9 MB	sap-process-automation-3.24.57_darwin-x64.pkg (sha1)
Mac OS X (x64)	3.24.57	164.0 MB	sap-process-automation-3.24.57_darwin-x64.zip (sha1)

Getting started with SAP Build Process Automation

Overview

Services

Service Marketplace

Instances and Subscriptions

Cloud Foundry

HTML5 Applications

Connectivity

Destinations

Cloud Connectors

Security

Users

Role Collections

Roles

Trust Configuration

Settings

Entitlements

Usage Analytics

Help and Support

All: b5

Subaccount

To manage the Cloud Foundry user-provided service instances, navigate to Cloud Foundry - Spaces, select your space, and then from Servi

Search All Services All Plans

Subscriptions (12) Instances (51) Environments (2)

Applications to which your subaccount is currently subscribed

Application	Plan	Labels
Web access for ABAP	default	
SAP AI Launchpad	standard	
Document Information Extraction UI	default	
Event Mesh	standard	
SAP IoT	oneproduct	
Integration Suite	standard-edition	1 label
SAP Process Automation	standard	
SAP Conversational AI	standard	
SAP AppGyver	standard	
SAP Business Application Studio	standard-edition	
Launchpad Service	standard	
Subscription Management Dashboard	application	

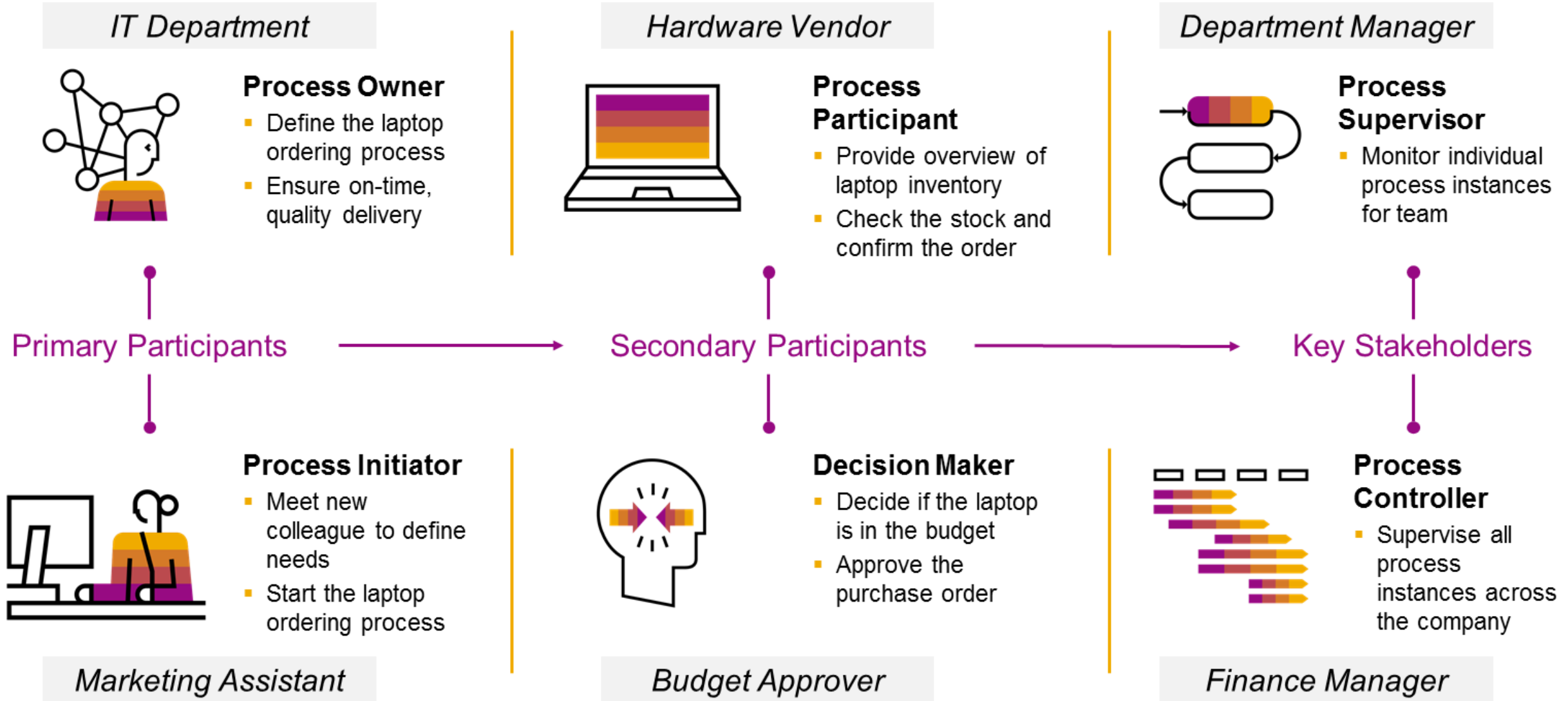
Participants in an average Business Process

3 main types of participants

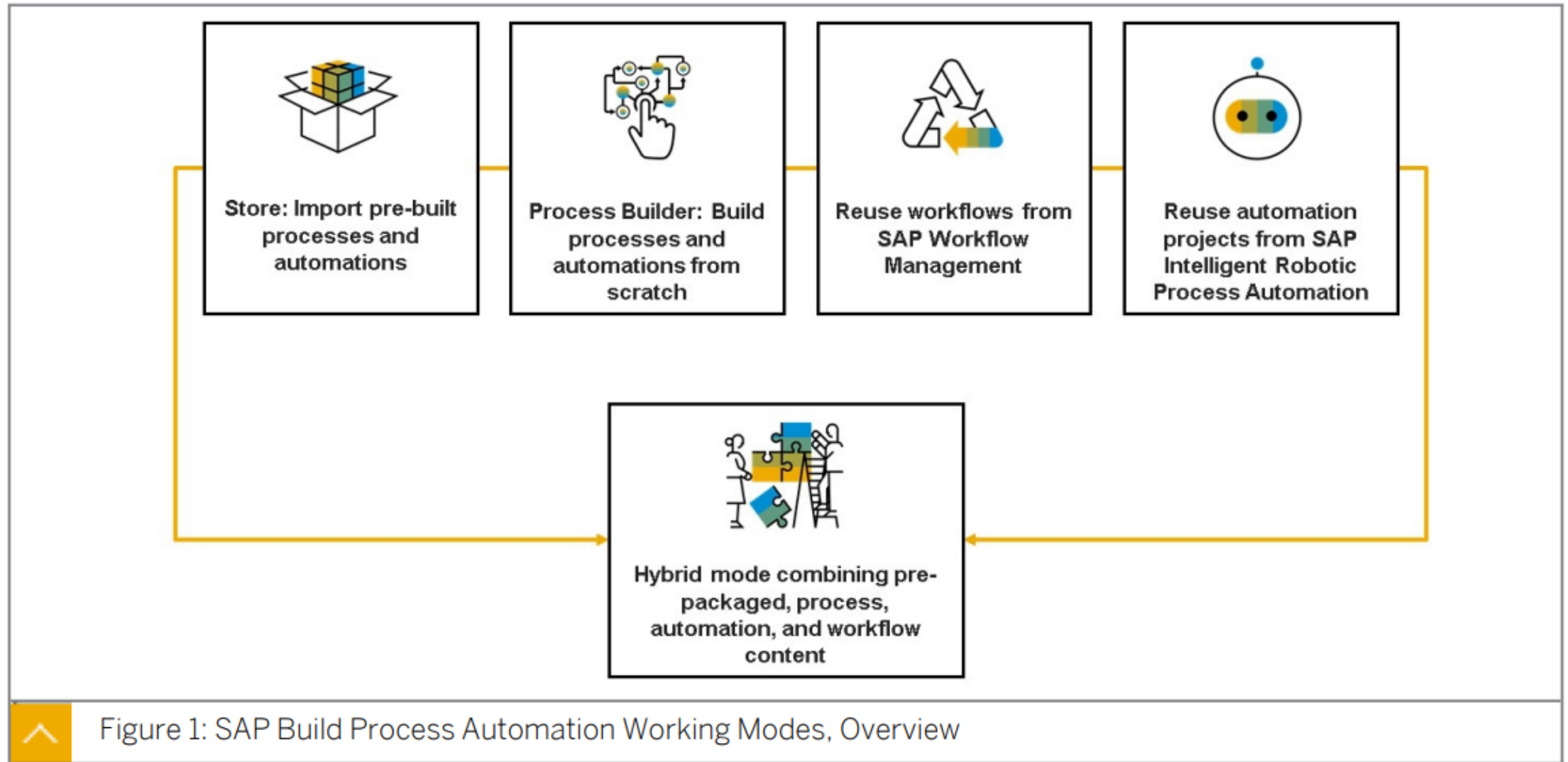
- Primary participant
- Secondary participant
- Need to be kept informed of process

Primary Participant	Secondary Participant	Need to be kept informed
Process owners, Process initiators	Process Participants, Decision makers	Instance status, Metrics visibility
Example. Ordering a new laptop Process owner <ul style="list-style-type: none">• Defines and owns the entire process• IT department Process initiator <ul style="list-style-type: none">• Hiring manager, HR, New employee	Example. Ordering a new laptop Process participant <ul style="list-style-type: none">• Hardware vendor Decision maker <ul style="list-style-type: none">• Approver	Example. Ordering a new laptop Informed about individual instance <ul style="list-style-type: none">• Manager Informed about wider overview <ul style="list-style-type: none">• Financial controller

Roles Involved in a Laptop Ordering Process



SAP Build Process Automation Working Modes



Activate Process + Task Automation Content

Excel Document 1

Data about goods and materials

Excel Document 2

Data about goods and materials

Excel Document n

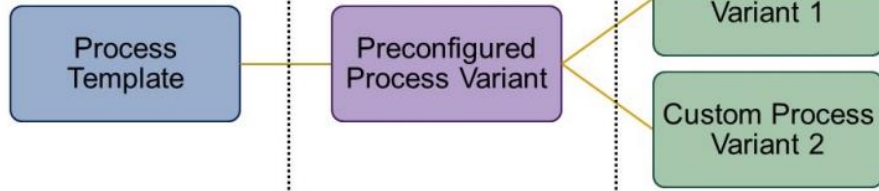
Data about goods and materials

Create Purchase Requisition

Retrieve data about goods and material from Excel documents

Filters	
Project Type	Process
Format Type	Template
Products	Microsoft Excel SAP S/4HANA
Line of Business	Sourcing and Procurement
Create Purchase Requisitions from Excel	

Concept



Example



Figure 18: Process Variants - Overview

Process Variants - Concept

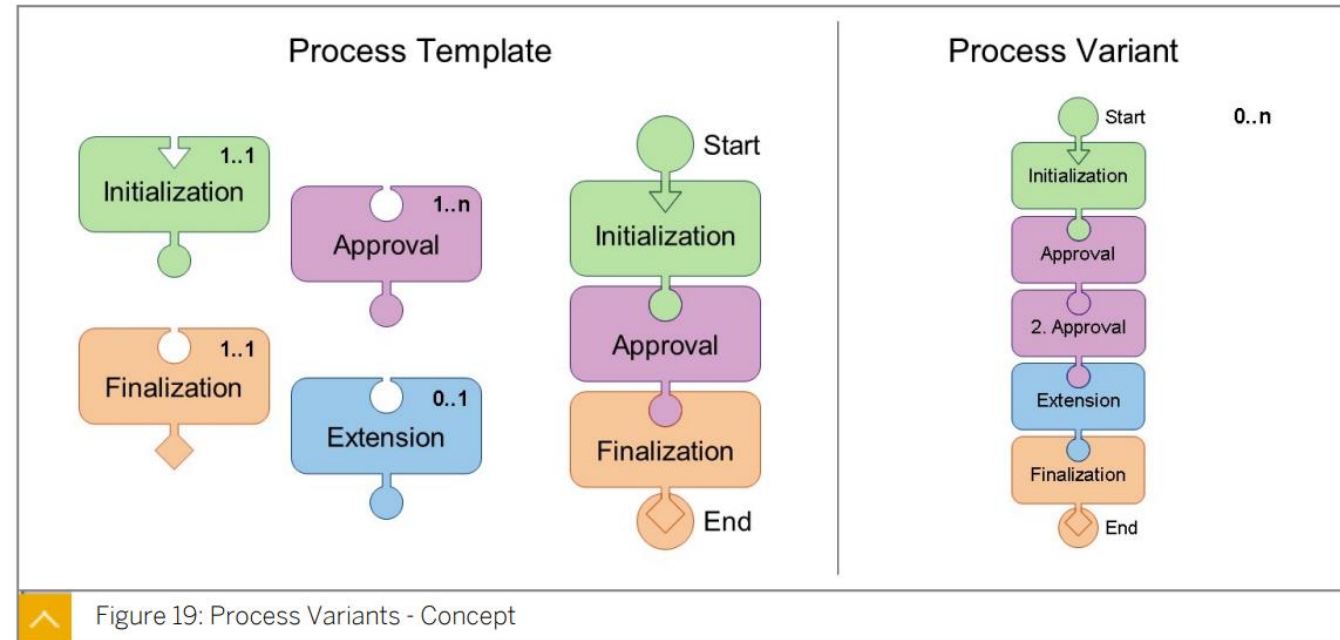
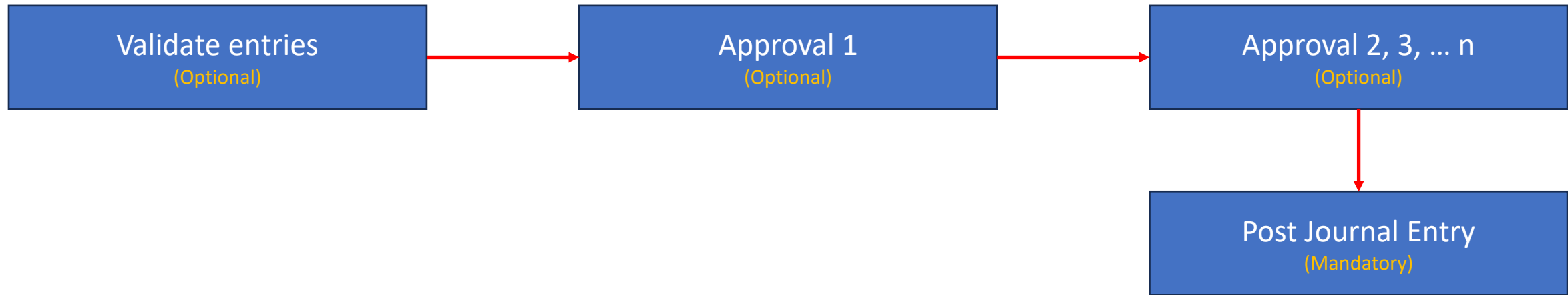


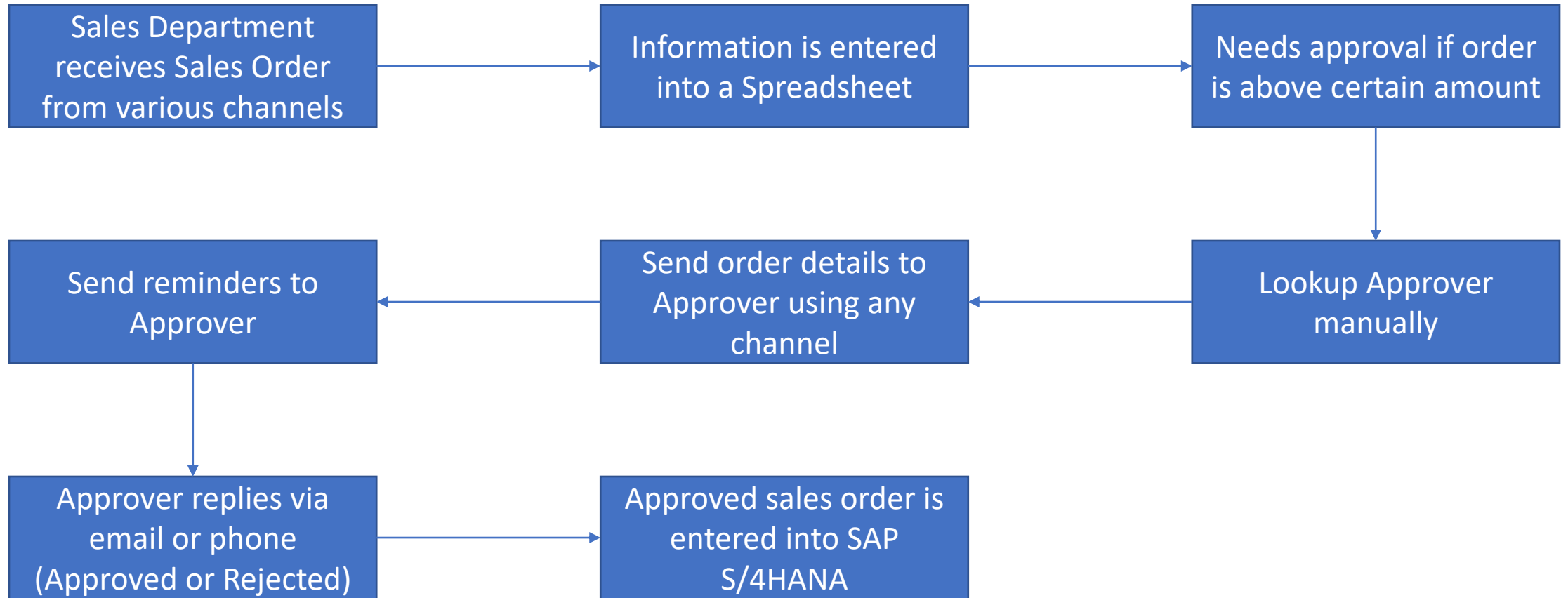
Figure 19: Process Variants - Concept

Activate Process + Live Process Content

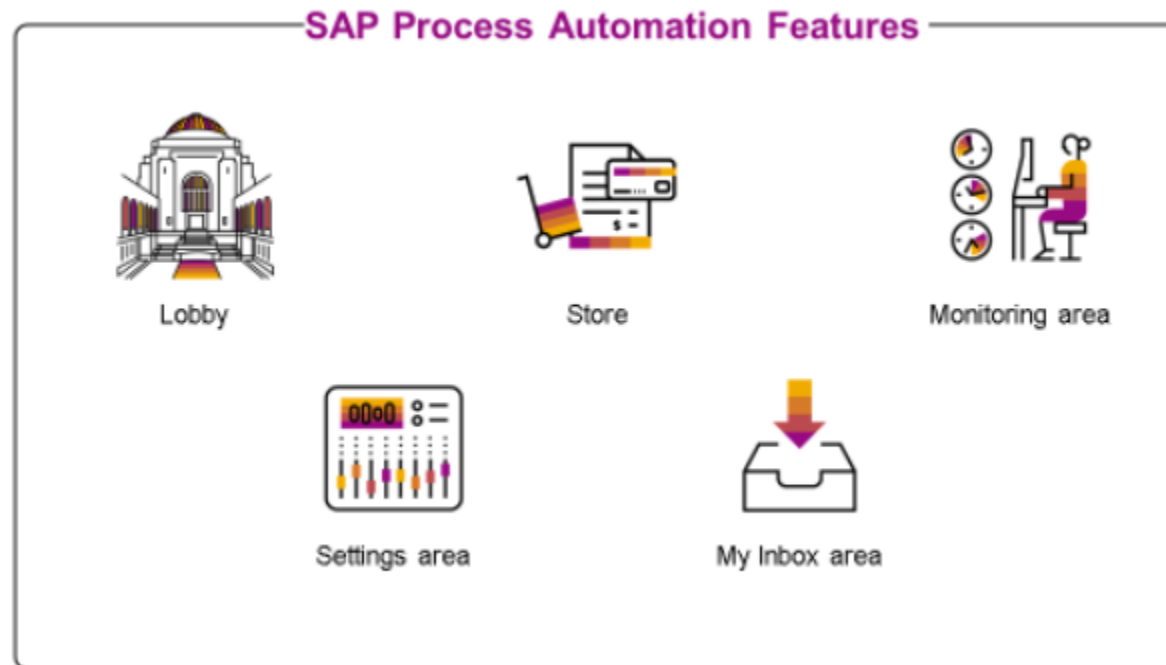


Filters	
Project Type	Process
Journal Entry Posting Approval	

Sales Order Management Approval



SAP Build Process Automation Features



SAP Build Process Automation Features

Lobby

- Create, manage, deploy business processes

Store

- Browse, add and use pre-packaged projects offered by SAP

Monitor

- View and manage specific processes, automation jobs

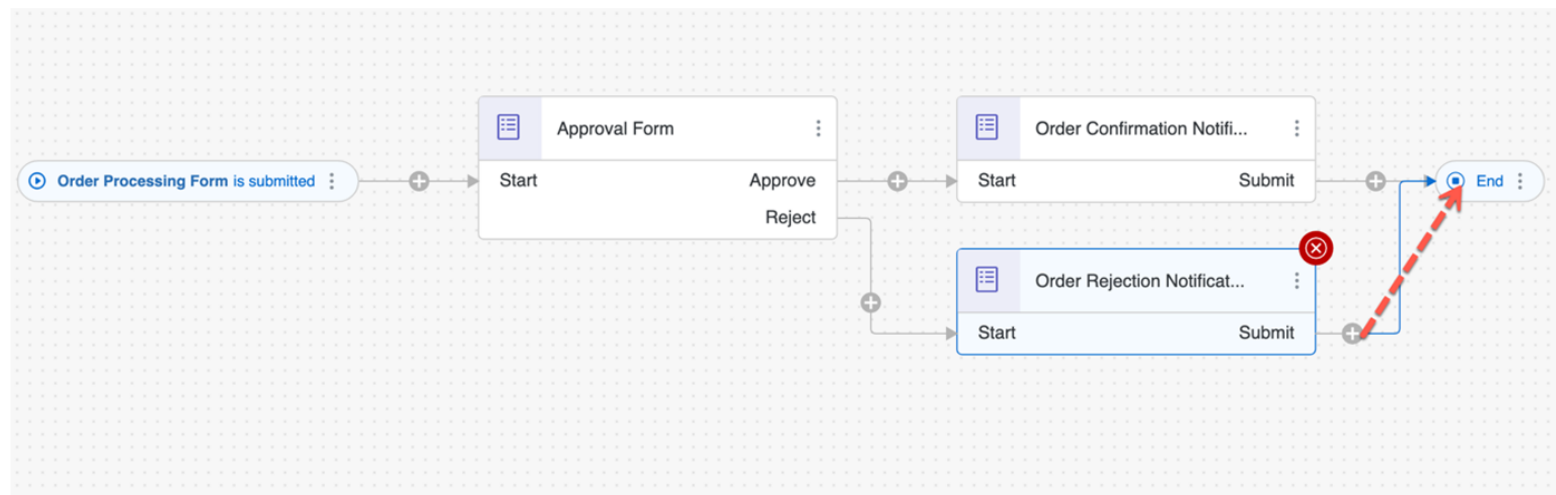
Settings

- Configure and manage desktop agents, backend settings, API keys

My Inbox

- Displaying processing your tasks

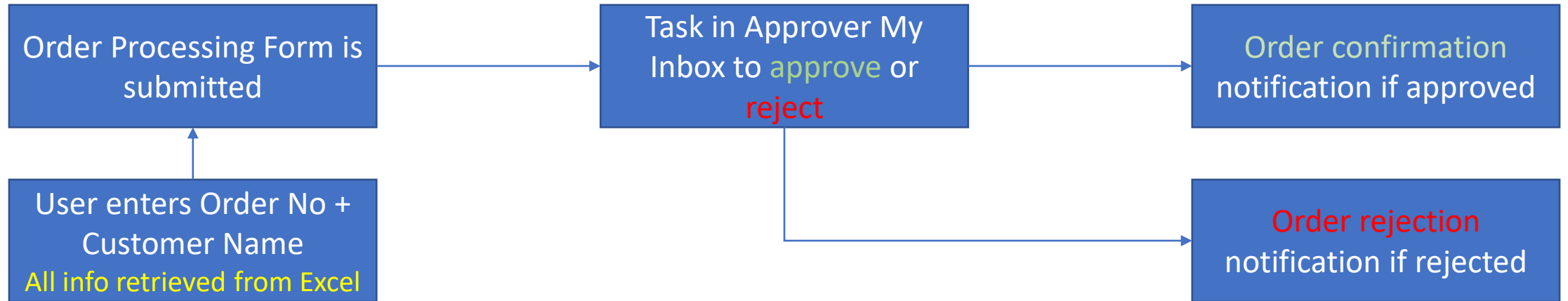
Get started with a Business Process



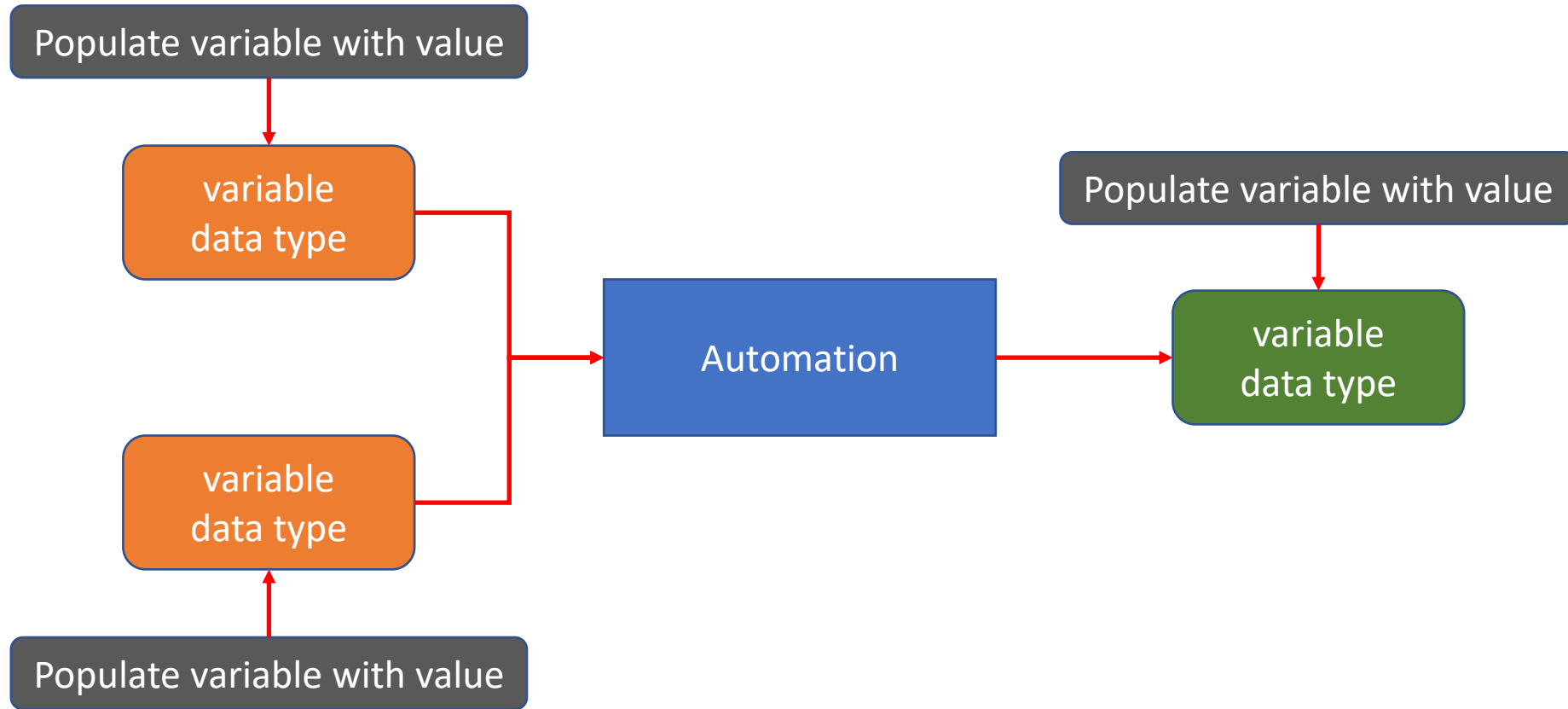
Steps involved

- Create 4 forms
 - Order Processing Form
 - Approval Form
 - Order Confirmation Notification Form
 - Order Rejection Notification Form
- Connect them all together

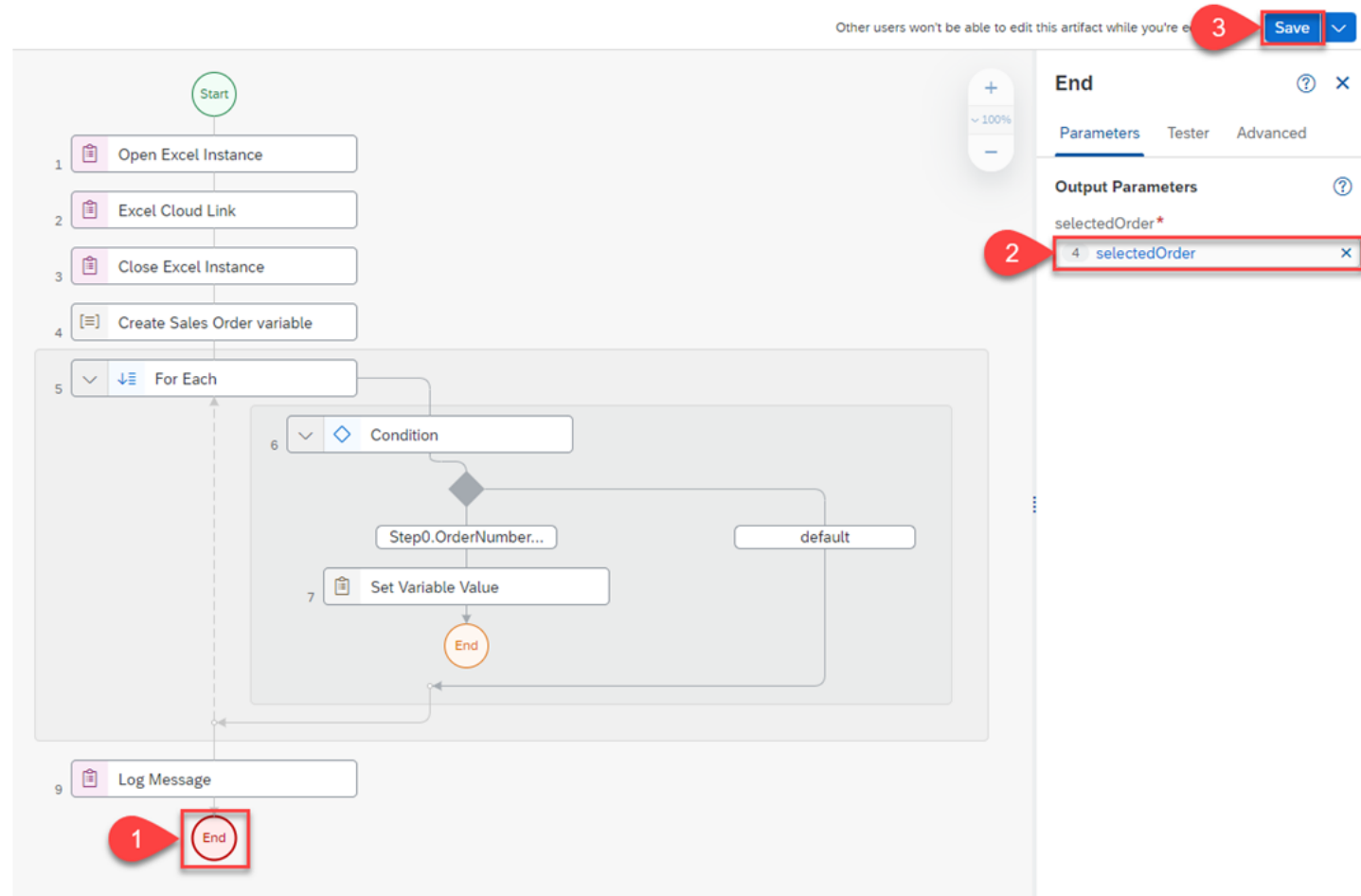
Boosting Business Process with Automation



Automation



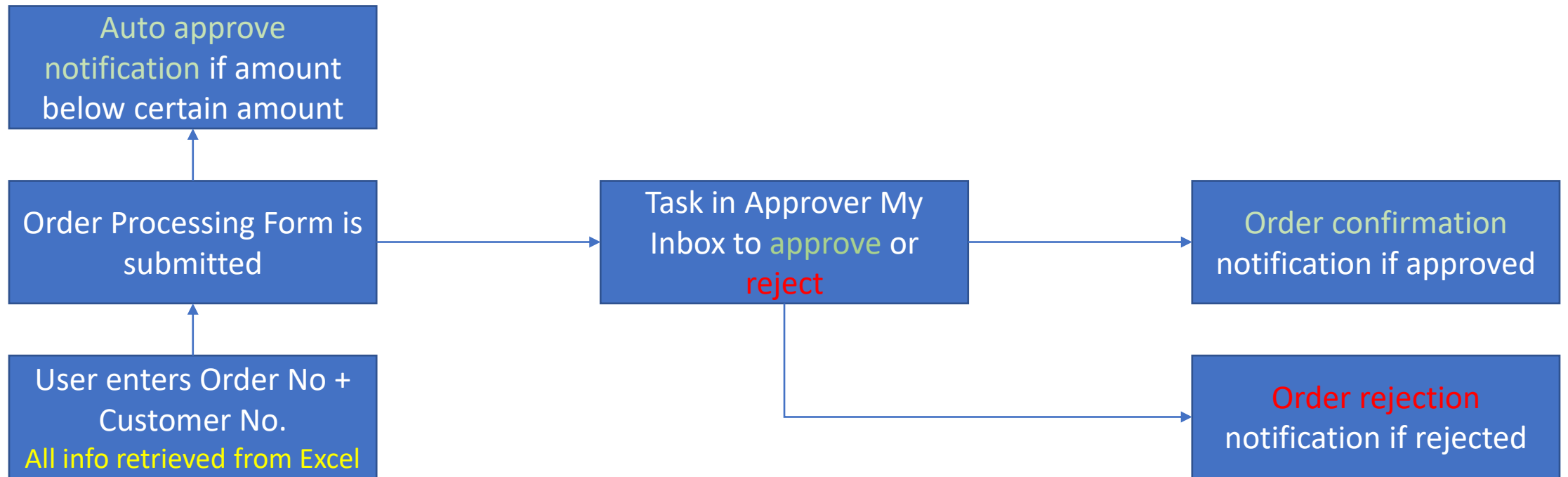
Boosting Business Process with Automation



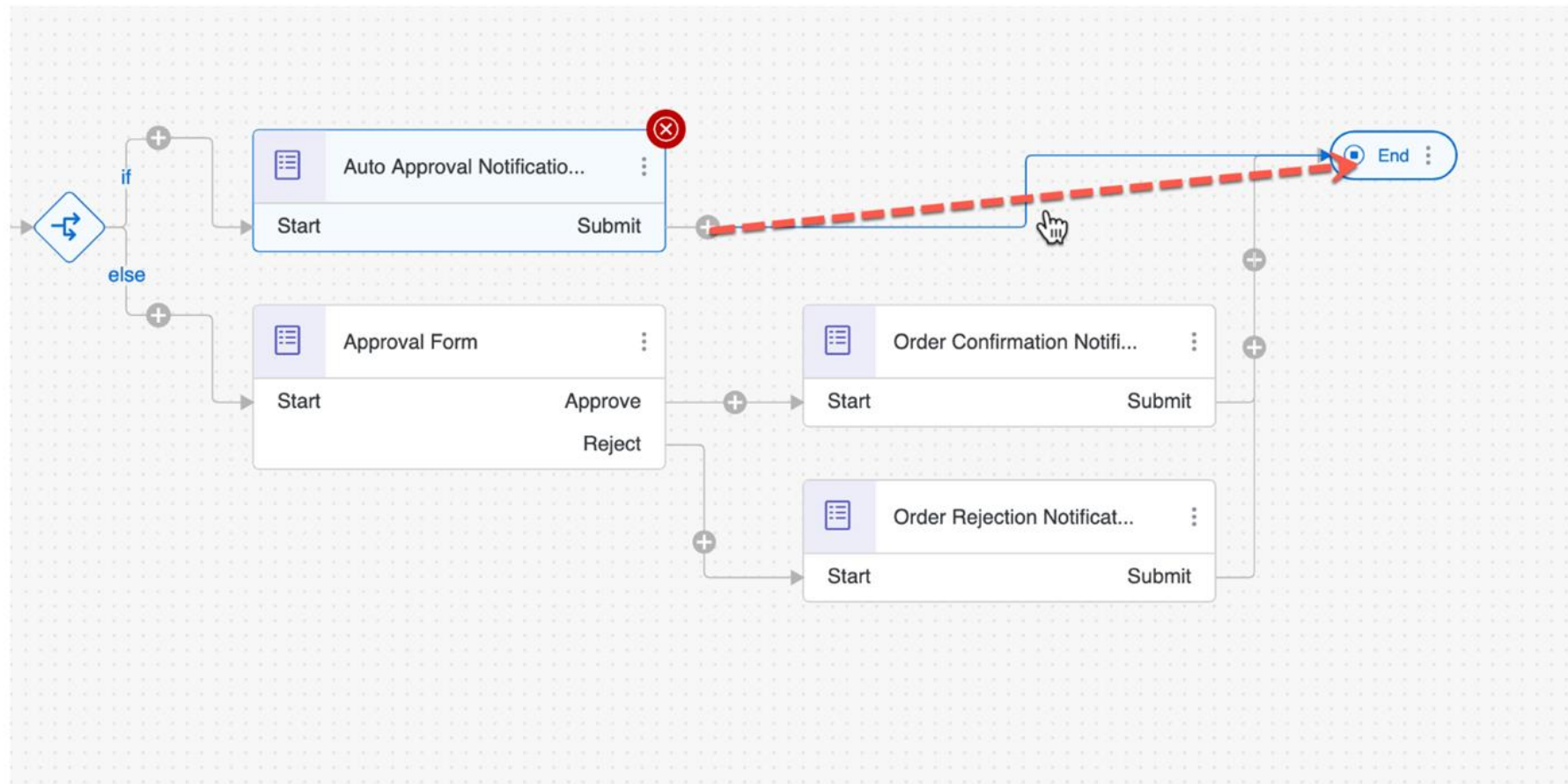
Steps involved

- Add new automation
 - Open Excel instance
 - Read data into a variable: **Orders**
 - Close Excel instance
 - Loop through **Orders**
 - If order number matches, retrieve row values... Exit loop

Controlling the flow



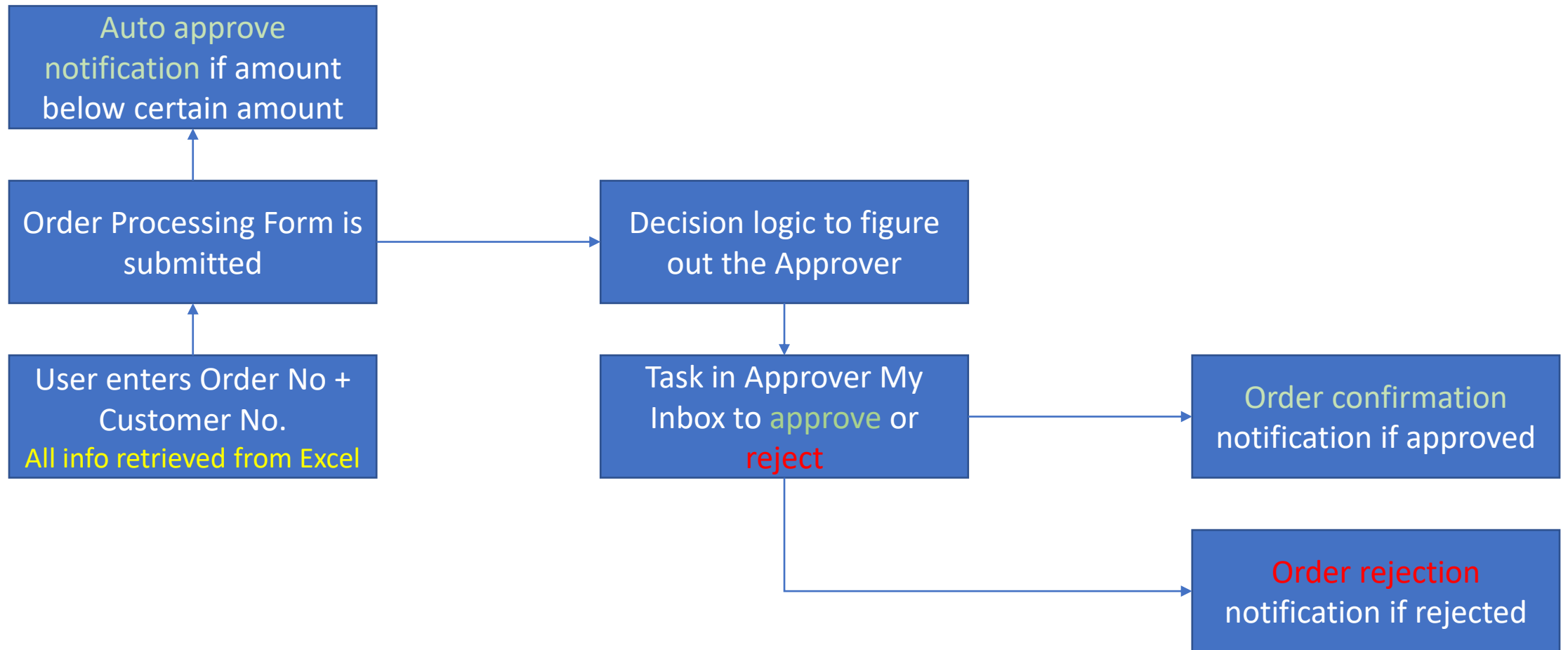
Controlling the flow



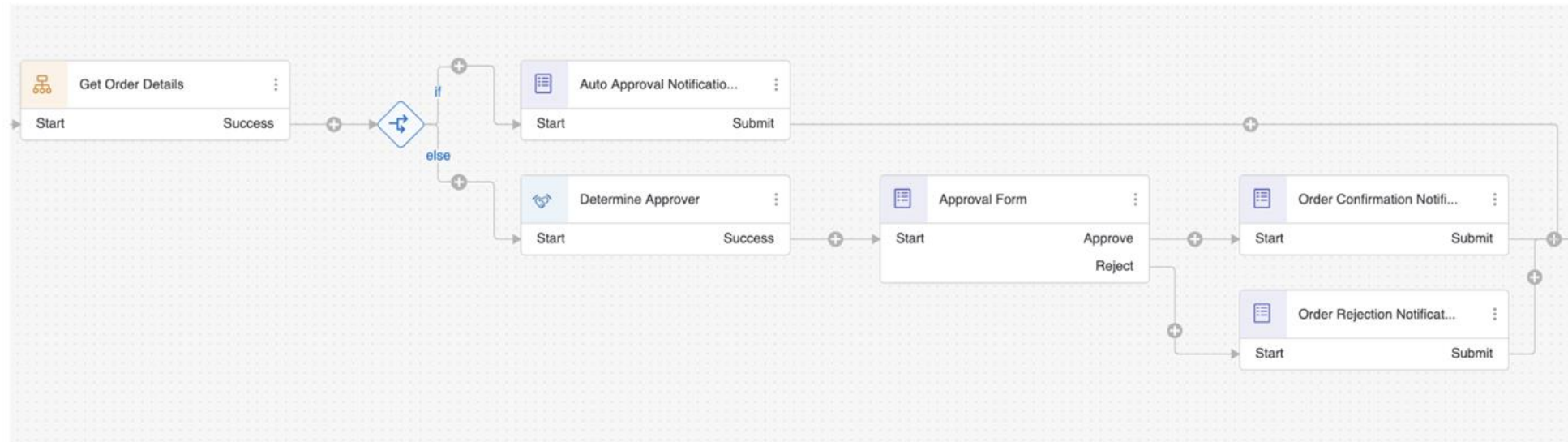
Steps involved

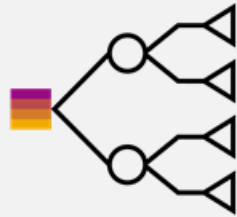
- Add new condition
 - Criteria: Order amount < 100000
 - If **true** – New automatic approval form

Improving the process with decision logic



Improving the process with decision logic





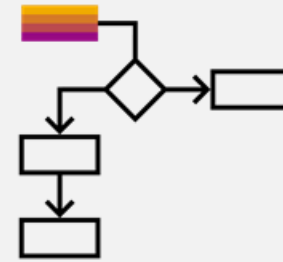
Decision

Capability through which you can model and manage complex business logic in a well-formed structure that is easy to maintain.



Policy/Policies

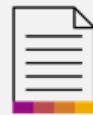
A decision consists of one or more policies.
Each policy consists of a collection of rules.



Decision Diagram

a flow chart that describes the execution flow of the decision logic from the input to the output.

Rules



Decision Table Rule



Text Rule

Steps involved

- Add decision to your process
 - Create the rules using decision table
 - Rules will be executed in strict order (order in which they are added to policy)

Shipping Country	Order Amount	User Group	Email
India, Germany	Between 100,000 to 300,000	A	milton.chandradas@sap.com
	Greater than 300,000	B	milton.chandradas@sap.com

Release, Deploy and Run the Business Process

The image shows a 'Release Project' dialog box overlaid on a process page. The dialog box has the following fields and options:

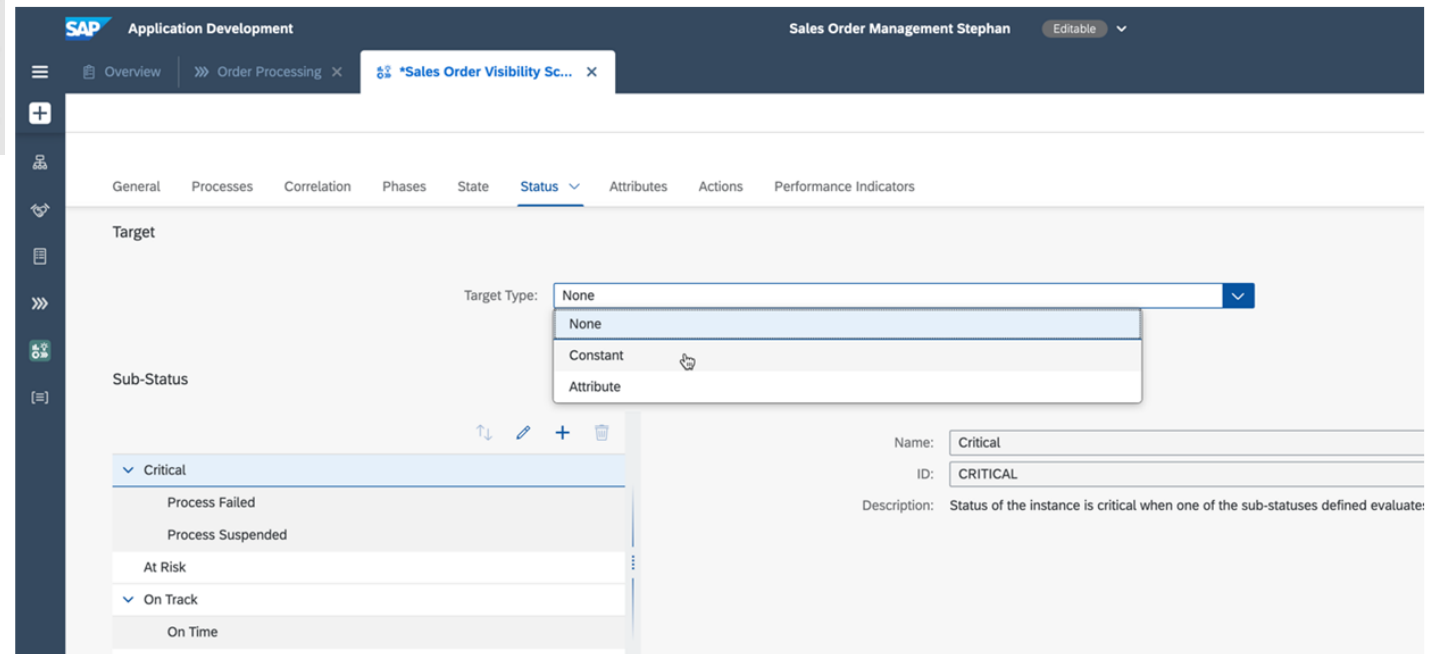
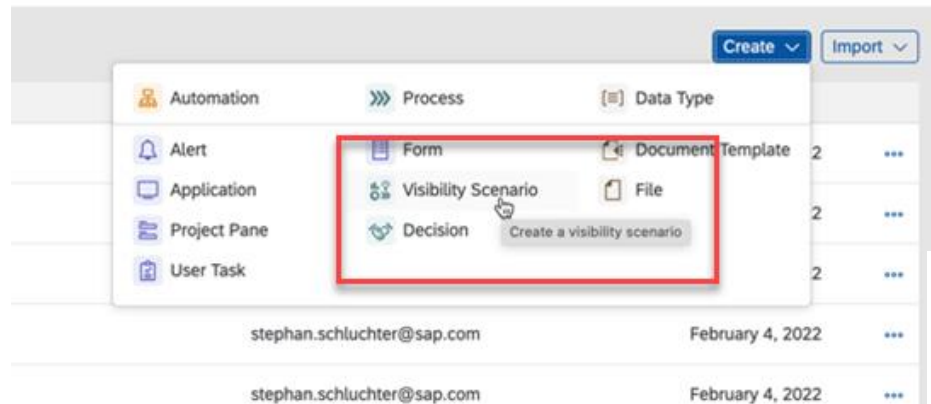
- Version:** Three radio button options:
 - ☐ Contains only patches
 - ☒ Contains minor changes
 - ☐ Contains significant changes which may impact dependent projects
- Version Number:** A text input field containing '1.3.0'.
- Version Comment:** A text area containing 'added decision to the process and adapted the process'.
- ☐ Optimize for faster execution. For more information, [click here](#).
- Buttons:** 'Release' and 'Cancel' at the bottom right.

The background process page is titled 'Sales Order Management' and has tabs for 'General' and 'Visibility'. The 'General' tab is active, showing a 'Process name' field with the value 'Sales Order Management'. A 'Release' button is highlighted with a red box in the top right corner of the process page.

This section shows the status of the 'Sales Order Management' process. The top bar displays 'Sales Order Management' followed by a version number '1.3.0' and a 'Released' status. A 'Deploy' button is highlighted with a red box. Below this, the process name 'Sales Order Management' is shown with a 'Released' status, also highlighted with a red box. At the bottom, there is a table with columns for 'Last updated on', 'Created on', and 'Description'.

Last updated on	Created on	Description
March 10, 2022	March 9, 2022	

Getting visibility into your process



Actions Project

APIs are encapsulated as Actions within Actions projects

- Abstraction of the API – making it simpler to consume
- APIs are modified – making it safe, more application-centric
- Can be reused across different business process projects
- Actions project allows versioning
- Rely on OpenAPI specification
 - Not limited to SAP APIs