



KPMG, Welcome to your SAP Learning Class

SAP Build Process Automation

SAP

Public

Instructor introduction

Personal introduction

Simmaco Ferriero

SAP BTP Development Architect

Learning Objectives & content

Class Objectives

- Understand what is SAP Build Process Automation
- List main key features
- Recognize solution benefits
- View main features in detail
- Get some confidence by a small exercise

What is SAP Build Process Automation

- SAP Build Process Automation is a citizen developer solution to adapt, improve, and innovate business processes with no-code workflow management and robotic process automation capabilities.
- SAP Build Process Automation enables business users and technologists to become citizen developers. With powerful yet intuitive low-code and no-code capabilities, the solution supports you in driving automation by tapping into the expertise of citizen developers.
- SAP Build Process Automation offers prebuilt content and features – such as bots, process steps, business rules, and workflow components.


SAP Build Process Automation – Key Features

- Build or adapt processes with an intuitive graphical interface.
- Create forms-based workflows using drag-and-drop functionality.
- Develop and manage decision logic in tabular, spreadsheet-like decision tables.
- Automate repetitive tasks within existing process flows using robotic process automation.
- Create intelligent actions and recommendations using ML capabilities.
- Work efficiently from a unified launchpad and task center.
- Embed actions and advanced workflows into projects initiated by citizen developers.
- Real-time, event-driven transparency into comprehensive processes and process instances with process visibility dashboards.




SAP Build Process Automation – Benefits

- Faster, simpler way to build workflows and automate processes
- Optimized use of business-user process expertise and professional developer skills
- Enhanced ability to rapidly adapt, improve, and innovate business processes
- Simplified process automation using a unified developer experience
- Improved ROI from SAP and third-party applications


SAP Build Process Automation – Lobby


 Build


LobbyStoreMonitorSettings





Quick Start







Create a Change and Innovation Approval Process







Create an Invoice Approval Process

Create a Sales Order Approval Process

Browse Content

All Projects (2) 

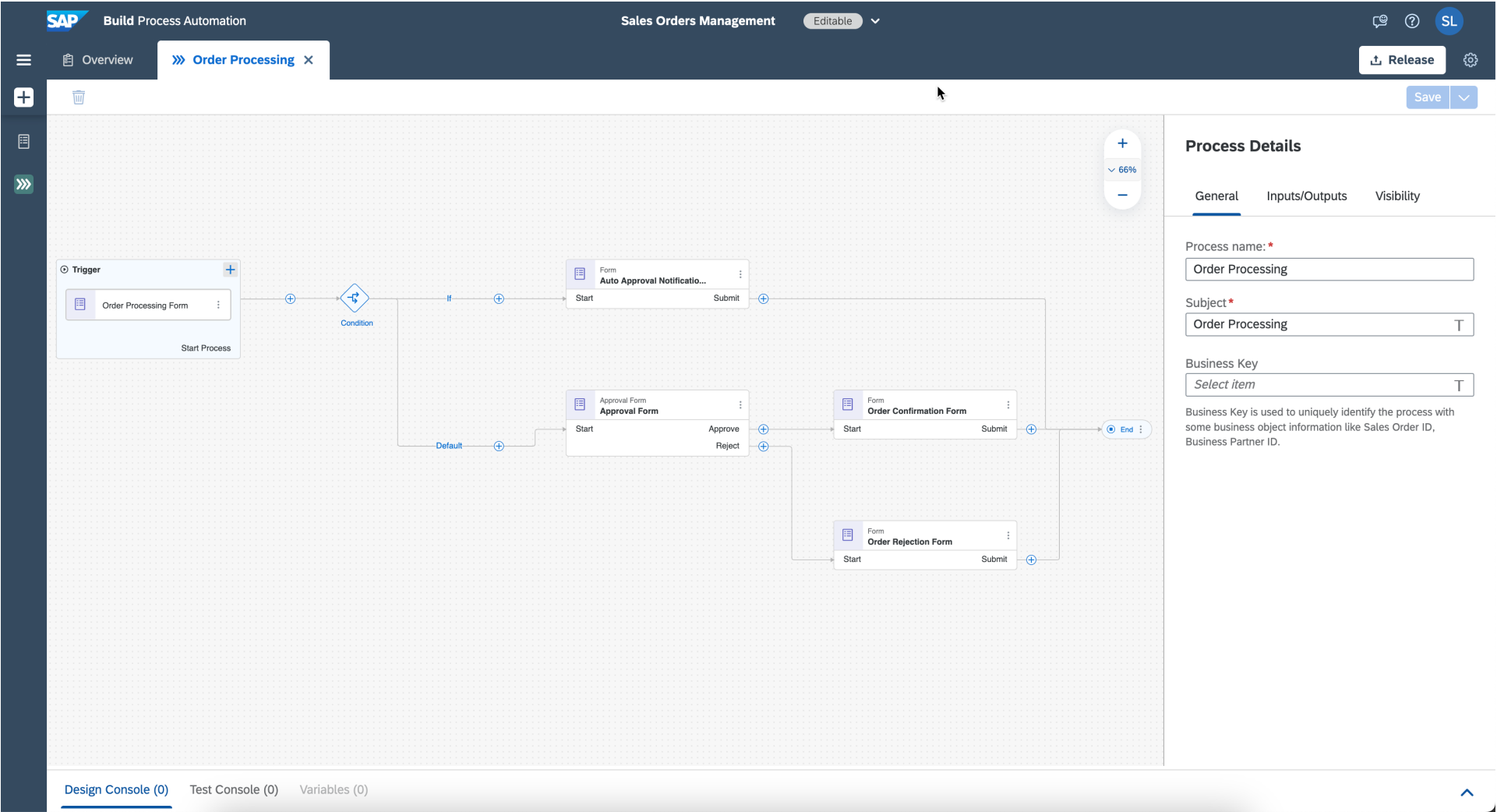
Search by Project name and descripti...      

Name	Versions	Type	Last Accessed	Members	More Options
 Sales Orders Management Sales Orders Management Project	2 Available Latest: 1.0.1 	Process Automation	Apr 16, 3:08 pm	Me	
 How to encrypt/decrypt data This project presents how to encrypt or decrypt data like simple messages or mails	1 Available Latest: 1.0.0 	Process Automation	Apr 6, 5:38 pm	Me	

SAP Build Process Automation – Access Workflow Management and RPA in a single solution

- With SAP Build Process Automation, you can handle everything from the lobby, which is a central place for creating, accessing, and managing projects within the solution
- From the lobby, you can build forms, workflows, and automations, and you can automate decisions – all within a single project.
- Low-code and no-code features allow you to drag and drop workflow elements into processes and forms

SAP Build Process Automation – Process Builder



SAP Build Process Automation – Create and manage workflows

- The workflow management features of SAP Build Process Automation significantly simplify the way you create workflows.
- From the lobby you can access the Process Builder, which is the starting point for many projects
- With Process Builder you can:
 - Define the start trigger for a process
 - Add forms for requests or approvals
 - Define process controls, which reflect how a process must be executed according to defined conditions
 - Add decision Logic and RPA bots into the process flow

SAP Build Process Automation – Form Editor

Build Process Automation

Sales Orders Management

Editable

Overview

Order Processing

Order Processing Form

Release

Save

Order Processing Form

Order Approval Request Form

Please provide the necessary information

Customer Name *

Order Number *

Order Amount *

Order Date *

Description

Form to collect order details

29/1024

Design Console (0)

Test Console (0)

Variables (0)

SAP Build Process Automation – Form Editor

- From the lobby or within the process builder you can access the form editor, which helps in designing interactive forms for requests and approvals
- You can create forms by simply dragging and dropping controls to the canvas
- You can incorporate text, number and date fields, drop-down menus, and check boxes.

SAP Build Process Automation – Business Rules Editor

Approver Determination

Description: Determine approver based on purchase requisition information

Decision Diagram

The diagram shows a flow from an 'Input' node to a 'Decision' node. Below the 'Decision' node, there is a 'Default Policy' node which leads to an 'Approver_logic' node.

Approver_logic

General Information: Status: Draft

Description: Approver logic

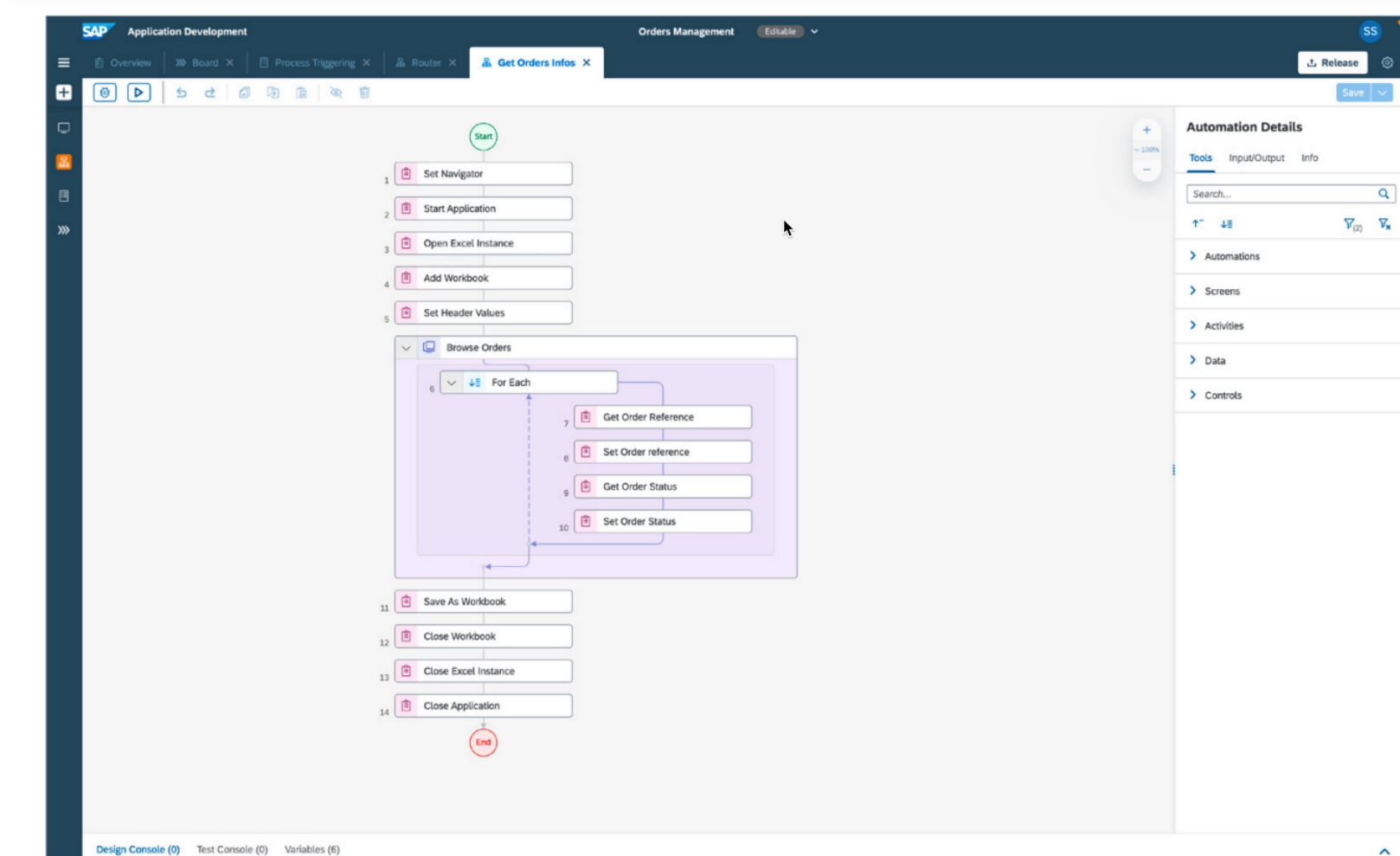
Decision Table

If		Then
<input type="checkbox"/> Material =	Quantity >	Approver
<input type="checkbox"/> 'IPHONE-12'	50	'Procurement Team DE'
<input type="checkbox"/> 'MACBOOK'	20	'Procurement Team DE'
<input type="checkbox"/> 'IPHONE-12'		'Procurement Team Asia'
<input type="checkbox"/> 'MACBOOK'		'Procurement Team US'

SAP Build Process Automation – Decision Management

- SAP Build Process Automation also offers decision management functionality that helps you codify corporate policies and business rules into repeatable processes or workflows.
- You can launch the business rules editor directly from within the process builder whenever you need decision logic within your workflow project
- Decisions consist of policies and a collection of rules. Rules can either be based on decision tables or text rules.

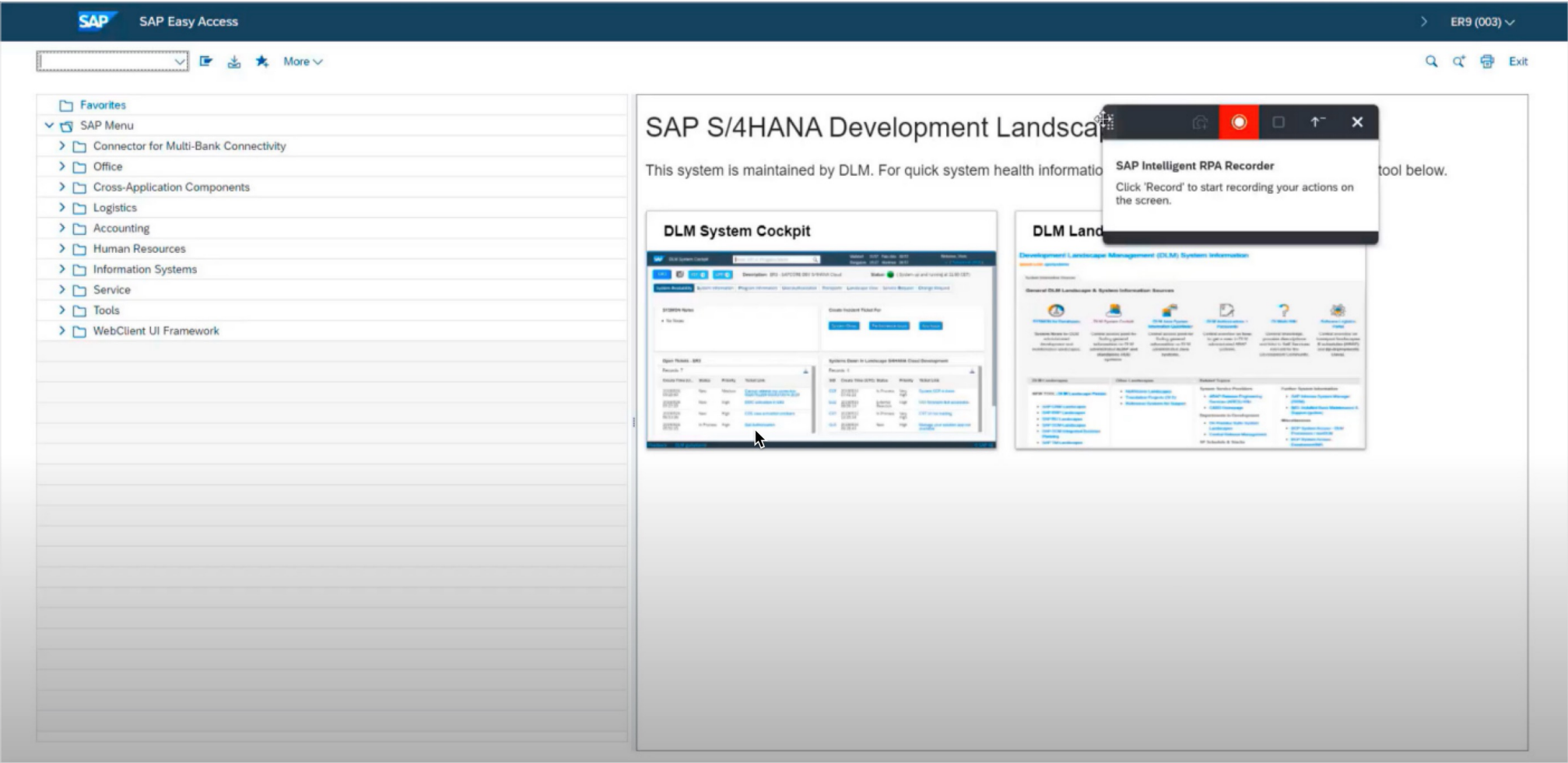
SAP Build Process Automation – Automation Editor



SAP Build Process Automation – Automation

- Manual tasks, such as copying and pasting data from one application to another, can be tedious and time consuming and often result in manual errors.
- SAP Build Process Automation offers RPA functionality that can be used to automate such routine tasks by mimicking human behavior.
- Companies can use the RPA functionality to automate several types of tasks, including:
 - **Manual and repetitive tasks:** Consolidation and manipulation of data from multiple data sources, such as Microsoft Excel, vendor portals, or SAP solutions
 - **High-volume tasks:** Process steps that must be completed time after time, such as during data migrations
 - **Multiple-system tasks:** Tasks that involve accessing multiple applications that offer no suitable APIs, including Web applications, legacy business solutions, and software-as-a service (SaaS) offerings

SAP Build Process Automation – Automation Recorder



SAP Build Process Automation – Automation Recorder

- SAP Build Process Automation also includes a recorder feature that captures a user's activity
- The recorder simplifies the creation of UI-based automations from both SAP and third-party applications.
- Instead of dragging and dropping numerous activities into the canvas of the editor, you can click the record button and step through your typical process for any task. For example, you can navigate to screens, retrieve data from certain fields, and enter the data into your system.
- The solution records each step and exports it into the bot workflow, instantly creating an automated process flow. You can then adjust the flow using intuitive editing features. You can also share the flow with the IT department for refinement and adjustment, such as changing hard-coded values to variables.

SAP Build Process Automation – Bots

- SAP Build Process Automation allows you to create two types of bots:
 - **Attended bots**, which are suitable if you want to actively manage your bot or if your process requires intermittent decision-making
 - **Unattended bots**, which automatically execute a complete process using trigger mechanisms, such as a schedule or event, without any human intervention.
- You can choose the type of bot that best matches each process automation use case.

SAP Build Process Automation – Intelligent Document Processing

Create Document Template

1 Details

2 Choose Document Type

3 Choose Schema

2. Choose the document type of your template

☒ **Invoice**
Contains fields like: document number, gross amount, net amount, shipping amount, tax amount...

☐ **Purchase Order**
Contains fields like: total amount, tax id, quantity, purchase order number, payment terms, sender address...

☐ **Payment Advice**
Contains fields like: payment reference, payment date, payment amount...

☐ **Custom**
Define your own schema and extract information from business documents that don't match one of the three predefined document types.

Previous

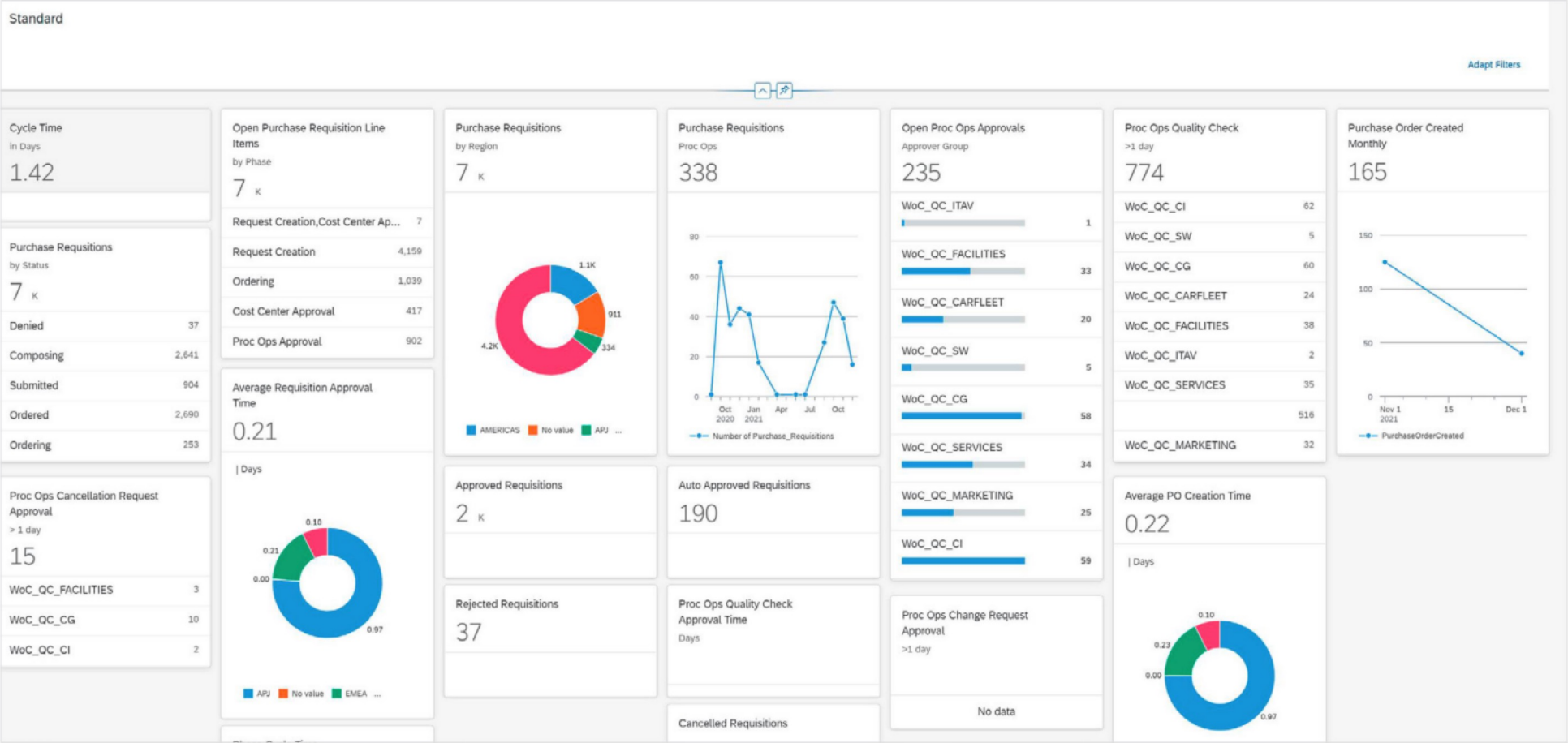
Next

Cancel

SAP Build Process Automation – Intelligent Document Processing

- SAP Build Process Automation includes built-in intelligent document processing capabilities, which uses embedded enterprise grade AI and machine learning capabilities to extract data from digital documents and scanned images to transfer it to your enterprise systems.
- For simple documents, the solution uses a pretrained machine learning model to automatically copy or extract information from a document. It then enters the extracted information into your business systems for processing.
- For more-complex document processing, you can use the intelligent document processing feature to create document templates.
- The solution helps you map out data fields and instruct the bots how to extract data and place it in the correct field.

SAP Build Process Automation – Process Visibility Dashboard



SAP Build Process Automation – Process Visibility

- SAP Build Process Automation offers process visibility dashboards that you can use to view and better manage the performance of your business processes.
- The solution helps businesses gain a near-real-time and event-driven view of processes and process instances.
- By tracking milestones, service-level agreements, and key performance indicators, process participants can identify process bottlenecks and at-risk process instances and take action to address process delays.
- Artificial intelligence–based cycle-time predictions help you address issues before they affect your business or customer experience.

Thank you.

Thank you for your attention, enjoy your SAP Learning Class

