

SPA400 Developing with SAP Build Process Automation

Course Description: This course offers an in-depth exploration of SAP Build Process Automation, equipping participants with the skills to develop, automate, and optimize business processes. Throughout the course, participants will gain hands-on experience in creating and managing automated workflows, integrating various tools, and enhancing business processes using SAP Build Process Automation. From basic process building to advanced integration with APIs, this course is designed to enable professionals to harness the full potential of SAP Build Process Automation, driving efficiency and scalability in their organizations.

Audience Profile: This course is ideal for:

- **Business Process Analysts** seeking to streamline and automate processes within their organizations using SAP Build Process Automation.
 - **SAP Consultants and Developers** looking to expand their skills in SAP's business process automation tools.
 - **IT Professionals** involved in process management, automation, or integration.
 - **Managers** aiming to enhance operational efficiency by implementing automated solutions.
 - **Anyone Interested in Process Automation** using SAP Build tools, regardless of prior automation experience.
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Prerequisites:

- **Basic Knowledge of SAP BTP** (Business Technology Platform) and process automation concepts.
 - **Experience with Business Processes:** Familiarity with general business process management concepts and tools is beneficial but not mandatory.
 - **Optional:** Previous experience with SAP systems or similar business management software.
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Course Objectives: By the end of this course, participants will be able to:

1. **Understand SAP Build Process Automation:** Learn the core principles and architecture of SAP Build Process Automation and its role in business process management.

2. **Develop and Manage Automated Processes:** Gain the ability to create, deploy, and monitor automated business processes using SAP Build Process Automation.
 3. **Leverage Prebuilt Content:** Use and modify existing automation content to speed up implementation and improve efficiency.
 4. **Utilize Forms and Conditions:** Design and configure user interactions, including forms and approval workflows, to enhance business process control.
 5. **Integrate Automation into Processes:** Incorporate automation techniques within business processes to improve accuracy and reduce manual intervention.
 6. **Work with Advanced Features:** Implement decision logic and actions to extend process functionality and encapsulate APIs for system integrations.
 7. **Use APIs for Integration:** Understand and apply SAP Build Process Automation APIs to connect and integrate processes with external systems.
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Unit 1: Explaining SAP Build Process Automation

- Describing the Path to SAP Build Process Automation
- Managing Business Processes with Business Process Management Software
- Reviewing the Roles Involved in Business Processes
- Evaluating the Different Working Modes in SAP Build Process Automation

Unit 2: Reusing Existing SAP Build Process Automation Content

- Subscribing to SAP Build Process Automation Using Booster in SAP BTP Free Tier
- Activating Process Automation Content
- Outlining the Concept of Process Variants in Live Process Content
- Importing and Exporting SAP Build Process Automation Projects
- **Exercise 1:** Activate Process Automation Content
- **Exercise 2:** Import and Export SAP Build Process Automation Projects

Unit 3: Performing Basic Process Building in SAP Build Process Automation

- Introducing the Sales Order Management Process Use Case
- Creating the Process Project
- Digitalizing User Interactions with Forms
- Using Conditions to Control the Process Flow

- **Releasing, Deploying, Running, and Monitoring the Process**
- **Exercise 3:** Create a Process Project
- **Exercise 4:** Create a Form to Trigger a Business Process
- **Exercise 5:** Create and Configure an Approval Form
- **Exercise 6:** Create and Configure a Form for Notifications
- **Exercise 7:** Create a Process Condition and Adjust the Process Flow
- **Exercise 8:** Release, Deploy, and Run Your Process
- **Exercise 9:** Monitor the New Process and Access Its Tasks

Unit 4: Explaining Automations in an Overview

- **Identifying the Need for Automations**
- **Evaluating Automation Use Cases**
- **Boosting the Sales Order Management Process with an Automation**
- **Preparing the Desktop for Executing the Sales Order Management Automation Using the Desktop Agent**
- **Exercise 10:** Prepare the Excel File With Sales Order Details
- **Exercise 11:** Create and Edit the Automation
- **Exercise 12:** Map the Order Using a Loop with Conditions
- **Exercise 13:** Finalize, Test, and Simplify the Automation
- **Exercise 14:** Download, Install, and Register the Desktop Agent

Unit 5: Using Features of Advanced Process Building in SAP Build Process Automation

- **Improving the Sales Order Management Process with Decision Logic**
- **Encapsulating the APIs of Remote Systems Using Actions Projects**
- **Calling APIs of Remote Systems Using Actions in a Process**
- **Exercise 15:** Create and Configure Decision Logic in the Process
- **Exercise 16:** Include the Decision Logic in the Process
- **Exercise 17:** Run the Process Including Automation and Decision
- **Exercise 18:** Encapsulate Remote Systems APIs Using Actions Projects
- **Exercise 19:** Call Remote Systems APIs Using Actions in a Process

Unit 6: Using APIs for Integration

- **Leveraging SAP Build Process Automation APIs**