

SAP Build Process Automation Training || SAP Build Workzone and BPA Course

<https://www.anubhavtrainings.com/sap-build-process-automation>

Target Audience: You are working as an SAP Consultant, Workflow cum ABAP Consultant in companies. You have been asked by customers to offer a solution for building workflow with automations in the cloud. Also, since most customers are moving to cloud, they want you to build end-to-end processes connecting Cloud and On-premise systems.

Prerequisites- Basic understanding of SAP*

Duration: 32 Hours – A promise of no copy paste

▶ What you get by joining our training

- 32 Hours of Detailed Lecture with Videos
- Support for issues and deployment (no job support)
- Presentation and Whiteboards
- End to end Business process mtar files exported from training
- Best-in-class cutting edge content
- Latest concepts on Business Technology Platform
- End to End development with integration to SAPGUI, Fiori, CAP and Automation bots
- Standard pre-packaged process deployments



Our Course Page:

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▶ About the Course

SAP Build Business Process is a comprehensive, low-code platform designed to empower business users and developers to quickly design, automate, and optimize business processes. It allows organizations to streamline workflows and improve operational efficiency by providing intuitive tools for process modeling, automation, and collaboration within a cloud environment. The platform integrates seamlessly with other SAP and third-party systems to deliver a connected, flexible solution for end-to-end process management.

▶ In this Training of SAP Datasphere cum Datawarehouse Cloud Training, we will:

In this course, you will learn how to leverage SAP Build Business Process to create, automate, and optimize business workflows with minimal coding effort. Starting with basic process automation tasks, the course will guide you through progressively more complex workflows and integrations as additional requirements are introduced. By the end of the course, you'll have a strong understanding of how to use SAP Build Business Process to create scalable, efficient, and adaptable business processes for real-world applications.

Key areas you'll focus on include:

1. **Process Modelling:** Learn to design business processes using intuitive, drag-and-drop tools, creating workflows that reflect your organization's needs.
2. **Process Automation:** Discover how to automate repetitive tasks and processes, saving time and reducing human error.
3. **System Integration:** Understand how to connect SAP Build Business Process with various SAP and third-party systems to create fully integrated workflows.
4. **Collaboration and Sharing:** Work collaboratively with different teams to design, refine, and implement business processes that align with strategic goals.
5. **Optimizing Business Processes:** Analyze the performance of business processes and learn techniques to optimize them for better results and efficiency.

By the end of this course, you will have developed the practical skills necessary to design, implement, and automate business processes using SAP Build Business Process. You'll be equipped to streamline operations and help your organization become more agile, efficient, and responsive to business needs. Would you like more details on any specific part of the course or functionality of SAP Build Business Process?

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COURSE CONTENT (UNIT WISE)

Unit 1 - SAP BTP Introduction (Demo Session)

- Difference between On-premise and cloud system
- What does the cloud offers?
- Advantages of SAP BTP
- BTP product overview
- [Hands-on] Setting up BTP account
- BTP pricing model
- BTP Account Overview
- BTP Environment, Subscriptions, Services
- BTP Service Discovery Center

Unit 2 – Introduction to SAP Build

- What is fusion team?
- Key role of a developer with LCNC development
- What is SAP Build?
- SAP Build offering
- What is Build work zone
- [Hands-on] Setting up SAP Build work zone



Unit 3 – SAP Build Process Automation

- What is Business Process
- What is Business Process management
- Good v/s Bad Business Process
- BPM Approach
- Key Roles involved
- What is SAP Build Process Automation offering
- Hands-on Setting up SAP Build BPA in BTP Trial account
- Different Working Models
- Creating Tables using “New Table”
- Time & Generate Time Data

Unit 4 – SAP Build Process Automation

- Configure SMTP destination to send email from SAP Build
- Create backing service for build process automation

Unit 5- Design and Deploy First process

- What is an API?
- SAP Business API HUB
- Explore SAP sales order API
- Explore process builder
- Create Data types
- Create Input and Output variables
- Define trigger conditions
- Adding Approval steps
- Configure send Email with Rejection step



Unit 6- Deploy and Configure Work Zone

- How to deploy the released version of process to BTP
- Understanding My Inbox App
- Configure the destination **sap_process_automation_service**
- Import the Standard BPA apps to Build Work zone
- Install POSTMAN tool
-

Unit 7- Trigger the Business Process

- Configure postman tool
- Explore the BPA APIs
- Extract the JWT token from the BTP XSUAA
- Use the token to trigger the API

Unit 8- Monitoring & Enhancement

- Adding control and event
- Using decision table for dynamic approver determination

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- Monitoring Business process (debugging and troubleshooting)

Unit 9- Calling APIs and Script Tasks

- [Update] ticket on Build work zone issue
- Open Questions?
- What is environment in BPA?
- Calling external APIs from Build Process
- Create and manage actions in Build process
- Configure the destination to call API
- Adding Script tasks
- Working with parallel processing
- Deadline monitoring

Unit 10 - Working with Sub Process and Automations

- Open Questions?
- Create a new project
- Adding a sub process
- Create main process with list data type
- Retrieve associated data from APIs using action
- Installing the RAP agent
- RPA agent configuration
- Adding Automation



Unit 11- Part 1 Custom UI5 Task in Business ProcessEPM Data Model

- Custom Task UI - the concept
- Hiring Scenario with Custom Task UI
- What is SAP UI5?
- What is Business Application Studio
- What is Dev space
- How to start SAP UI5 development to Task UI
- Create MTAR project
- Enhance project with data context
- Calling standard APIs to complete tasks
- Build and Deploy the mta project

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- Understanding HTML5 Repo, App Router, Destination, XSUAA
- Integrate custom UI with Build BPA

Unit 12- Part 2 Custom UI5 Task in Business Process

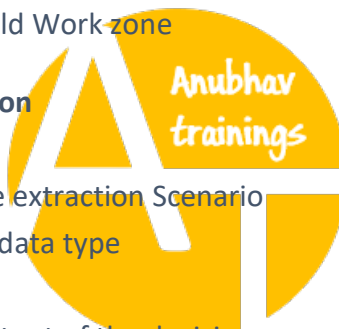
- Question: How to import the UI project in BAS tool
- Integrate custom UI with Build BPA
- Task Model in the app
- Behind the scenes

Unit 13- Working with Start UI

- What is start UI
- How to create and configure Start UI
- Deploy Start UI
- Adding Start Fiori UI to Build Work-zone

Unit 14- Automating PDF Extraction

- Understanding PDF invoice extraction Scenario
- Add a decision and create data type
- Create Decision table
- Maintenance input and output of the decision
- Create Automation
- Create data types
- Create input and output parameters
- Create document template
- Annotate and activate the document template
- Build an automation
- Passing parameters and mapping parameters with automation
- Testing automation
- Integrating with business process
- Testing final process



Unit 15- Excel Automation using Build RPA

- Understanding Excel SDK for Automation

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- Create Excel link
- Process Excel data
- Create the automation
- Create environment variable
- Add Excel activities
- Add input and output parameters
- Create a variable
- Looping through Excel sheet and searching for the order
- Link automation parameters with business process
- Test the automation
- Simplify the start form
- Update Process Condition
- Mapping forms of the process

Unit 16 – Automation for MS outlook Mails

- Understanding Outlook SDK for automation
- Adding outlook sdk to settings
- Opening outlook instance
- Reading email counts
- Writing infinite loop to read all emails one by one
- Writing exit condition for email loop
- Reading email subject and email id
- Retrieve the attachments from the email
- Download attachments to our local machine



Unit 17 – Automation of Fiori App

- Why we need to automate Fiori application
- Basics - DOM
- Scenario – Manage Order Fiori App
- Understanding Screen capture tool
- Working with DOM elements
- Extraction of UI elements from UI5 screen and create elements
- Working with Repeated elements in DOM
- Setting the data to excel for extracted order

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Unit 18 - Automation of SAP GUI

- Guideline for screen automation
- What is Recorder?
- Classic SAP GUI – Sales order management
- Record SAP GUI transaction with recorder tool
- Save the recording in SAP Build
- Test the GUI automation
- Configure Environment variable
- Load data from excel for materials
- Edit the step to manage loop
- Pass dynamic data for materials
- Test the automation

Unit 19 - Working with cloud Connector

- What is cloud connector
- Why we need the cloud connector
- How to identify the details of your SAP S/4HANA backend system
- Installing cloud connector
- Connect to your backend system
- Register CC to SAP BTP Account and check
- Adding backend system for handshake
- Testing the CC connection



Unit 20 - Configure Backend API calls

- Create destination to our S/4HANA system
- Test the destination
- Adding destination to SAP Build process automation Control tower
- Explore the APIs for SAP S/4HANA Sales order and Product
- Activate the APIs in backend system
- Test the API calls
- Download API specification
- Using the destination to SAP build process automation
- Configure action to make GET calls to Specific sales order
- Configure action to make GET calls to load Materials

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- Integrate actions to build process and load data
- Test the business process from Form input

Unit 21 - Configure Process Visibility Scenario

- Understanding new process Scenario
- Create Build process with integration to actions
- Configure approval form
- Configure decision
- Handling condition
- Create process visibility scenario
- Save and publish the build project
- Configure Build work zone site tiles for Process start and Process visibility
- Testing the process with multiple orders
- Analyse the dashboard for process

Unit 22 - Consume CAPM Service in Build

- What is CAPM?
- Getting started with CAPM project in BAS
- Build REST APIs in CAPM
- Test the CAP API locally
- Build, package and deploy CAP application to BTP
- Extract Service schema of CAP API
- Create Destination in BTP to consume CAP API
- Import destination to Build
- Configure CAP Action in SAP Build Process Automation
- Test the API in Build
- Integrate CAP API



Unit 23 - Pre-packaged Content Process

- SAP Build Pre-built content package?
- Content stores
- Understand the integrated store
- Open the configuration guide
- Configure standard destination required by pre-built package
- Create Integration Suite subscription

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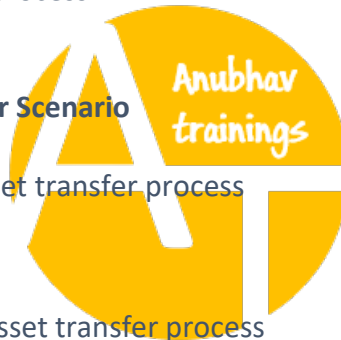
- Activate S/4HANA APIs
- Check Available BAPIs for integration with build process
- Add the standard application to the build workzone
- Configure Process variant for the standard business process
- Activate the steps

Unit 24 - Continue... Asset Transfer Scenario

- Configure SAP Integration suite
- Assigning integration suite role
- Explore pre-built content from integration suite
- Configure and deploy the iFlow
- Configure RFC destination
- Test Build process Actions for iFlow
- Understand asset management
- Create Asset in S/4HANA for cost center
- Understand asset transfer process

Unit 25 - Continue... Asset Transfer Scenario

- Understand artefacts of asset transfer process
- Configure the process
- Deploy the process
- Download the Fiori UIs of asset transfer process
- Upload the UIs to BAS tool and configure
- Deploy the Task and start UI
- Configure UIs with build workzone
- Deploy and test the final process



---- 5 more sessions getting recorded, will be updated soon.

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