

# SAP Workflow - Definition and Use of Customer-Specific Workflows

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<b>Code:</b>	BIT601-v016
<b>Length:</b>	5 days
<b>URL:</b>	<a href="#">View Online</a>

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## Skills Gained

- This course will prepare you to use workflow tools and to define and implement your own workflows.

## Who Can Benefit

- Application Consultant
- Business Process Owner / Team Lead / Power User
- Developer
- Development Consultant
- Industry Specialist
- Solution Architect
- System Administrator
- System Architect
- Technology Consultant

## Prerequisites

- Essential:
  - BIT600 – SAP Business Workflow – Concepts, Inbox and Template Usage
- Recommended:
  - SAPTEC Fundamentals of SAP Web AS
  - Good knowledge in ABAP Development

## Course Details

# Course Content

- Introduction
  - Describe the workflow architecture
  - Name the steps involved in a workflow project
  - Describe the general procedure for design and implementation
  - List the different options for using organizational units in a workflow
  - Create an organizational unit with positions
  - Describe the different ways of assigning possible agents to units in the organizational model
- Workflow Definition in the Workflow Builder
  - Create a workflow template with a workflow definition
  - List the possible step types in a workflow
  - Use the Workflow Builder
- Business Objects and Business Object Repository (BOR)
  - Describe the use of the Business Object Repository
  - Explain the difference between an object and an object type
  - Describe the use of object types in workflow
  - Create a subtype for a standard object type in the system
  - Delegate the subtype, thus making it available in the standard system
  - Extend the subtype by adding attributes, methods, and events
- Task Structure and Use in Workflows
  - Define a task
  - Name the components of a task that you always have to maintain
  - Understand the different ways in which synchronous and asynchronous methods are processed
  - Integrate a standard task into a workflow step
  - Create and maintain task groups
  - Use the Business Workflow Explorer as an administration tool
- Container – Interfaces in the Workflow
  - Name the various containers of the Workflow Engine.
  - Describe the possible binding directions between the containers
  - Explain the example binding in the notification of absence workflow.
  - Create a workflow container element
  - Create a task container element
  - Understand and check container bindings
  - Create container bindings when required
- Determination of Recipients of Work Items
  - Name the different ways of restricting possible agents
  - Describe the rule types that can be defined
  - Explain example for the application of rules
  - Define a rule with responsibilities
  - Use this rule in a workflow
  - Ensure that a workflow step never has the status "No agent found".

- Describe how the system determines the recipients of a work item.
- Explain what happens if the system cannot find an intersection between possible and responsible agents
- Ad Hoc Processing Options
  - Determine agents dynamically at runtime
  - Define tasks for a business process step dynamically at runtime
  - Use the ad hoc anchor step type to extend the workflow definition by adding an additional workflow
- Monitoring Steps in Business Processes
  - Define and test a simple deadline for a workflow step
  - Insert a modeled deadline into a workflow definition
- Events and Workflow
  - Explain the logic behind how events generated by applications and find the workflows or tasks that use them
  - Name the steps that you have to carry out in order to work with events
  - Define an event as a triggering event for a workflow
  - Activate the event linkage
  - Trigger the event on a test basis in the system, to check whether the workflow starts and runs correctly
  - Name the options for triggering events in the different applications
  - Use different methods to trigger events
  - Define additional start conditions for workflows
  - Explain the event queue
  - Use transaction SWU0 to check the event linkage
  - Use the transaction SWUE to test the triggering of events in the system without using the application
  - Use the transactions SWELS and SWEL to activate and display the event log
  - Develop a procedure for testing workflows
- Special Step Types and Methods of Processing
  - Use the step types Fork and Document from Template
  - Process multiline attributes of an object type
  - Use the step types loop and form
  - Enter conditions affecting the start and end of a work item in the
- Workflow Builder
  - Using the step type BLOCK
  - Options for assessing the SWITCH construct
- Wizards
  - Use wizards to define complete workflows for approval and circulation procedures
  - Create a workflow that calls the Customizing transaction or tables in a prescribed order
  - Use wizards that model missed deadlines
  - Call reports
  - Dynamically assign agents
  - Generate object references
- Tutorial
  - Define a workflow with all its components
  - Trigger a workflow using events

-Test a workflow process

- Further Topics (Optional)

-Explain technical settings

-Explore transaction codes, menu paths, and the data sheet

## Notes

- This course is not an introductory course.
- Customers, who are using an SAP System which is on a support level higher or lower than ERP 6.0 EHP 7 can successfully participate this course.

## Course based on software release

- SAP ERP Central Component 6.0, EHP 8

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