Courses Listed

Intermediate
- SAPTEC - Technology Fundamentals for SAP S/4HANA and SAP Business Suite

Advanced
- BIT601 - SAP Workflow - Definition and Use of Customer-Specific Workflows
- BIT610 - SAP Workflow - Programming
- BIT611 - Workflow and ABAP-OO
All available schedules in your selection

BIT611 Workflow and ABAP-OO

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

BIT610 SAP Workflow - Programming

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

BIT601 SAP Workflow - Definition and Use of Customer-Specific Workflows

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<th>Solution Release</th>
<th>Language</th>
<th>Timeframe</th>
<th>Cost</th>
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## SAPTEC  Technology Fundamentals for SAP S/4HANA and SAP Business Suite

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BIT611 - Workflow and ABAP-OO

**Duration**
1 day

**Goals**
- Participants learn about programming the workflow interface using ABAP-OO instead of business objects

**Audience**
- Administrators
- Developers
- Consultants

**Essential**
- * Required:
  - BIT601 SAP Business Workflow - Build and Use
  - Knowledge of ABAP-OO

**Course based on software release**
- SAP ERP Central Component 6.0.

**Content**
- Definition and implementation of ABAP-OO classes for use in the workflow
- Definition of attributes
- Definition of methods and error handling
- Definition of events
- Triggering ABAP-OO events
- Using ABAP-OO classes in workflow processes
This course assumes participants already have experience in defining testing workflows in the system.

As of SAP ERP, you can also use ABAP Object classes instead of business objects. If you are interested in finding out more about this topic, attend the course BIT611.

The course BIT611 is generally offered in conjunction with BIT610. However, if you are familiar with the content of the BIT610 course already, you can book the BIT611 course on its own.
Introduction

Describe the workflow architecture
Describe 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

Course announcements

In this interactive course, the participants will learn how to use the workflow tools, and to define and implement their own workflows. The knowledge will deepened in several hands-on.

Goals

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

Audience

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

Essential

- BIT600 – SAP Business Workflow – Concepts, Inbox and Template Usage

Course based on software release

- SAP ERP Central Component 6.0, EHP 8
• 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.
SAPTEC - Technology Fundamentals for SAP S/4HANA and SAP Business Suite

Duration
4 days

Course announcements
- Would you like to understand how SAP Systems function?
- During this course you will not only get acquainted with the technology fundamentals of most SAP applications (incl. SAP Business Suite and SAP S/4HANA), and how SAP systems function but also learn about different user interfaces, such as SAP Fiori or SAP GUI. The training contains hands on exercises, you will work with – among others - a SAP S/4HANA system and other SAP applications. With the newly acquired knowledge in technology you have now a stable base to further develop into a versatile range of business roles from SAP System Administrator through Developer to User Interface Expert to Project - or Program Manager.

Goals
- This course will prepare you to:
  - Presentation in detail of the architecture of SAP NetWeaver Application Server (SAP NetWeaver AS). The SAP NetWeaver AS is the central component of SAP S/4HANA, the SAP Business Suite and the SAP NetWeaver application platform.
  - Learn effective techniques for navigating.
  - Receive an overview of the development process in an SAP system landscape.

Audience
- Technology Consultant
- System Administrator
- System Architect
- Database Administrator
- Help Desk / COE Support
- Program / Project Manager
- Knowledge of Information Technology

Course based on software release
- SAP S/4HANA 1610
- SAP Business Suite 7i2016
- SAP EHP 8 for SAP ERP 6.0
- SAP NetWeaver 7.5x

Content
- SAP Systems
  - Explaining the Architecture of an SAP System, Application Server (AS) ABAP and Application Server (AS) Java
  - Navigation
  - Navigation using SAP Graphical User Interface (SAP GUI)
  - Navigation using a Browser
  - Navigation using the Business Client
  - Navigation using SAP Fiori
  - System Core
  - Explaining AS ABAP and AS Java System Architecture
  - Identifying the Processes of an AS ABAP System
  - Processing User Requests in AS ABAP
  - Explaining Additional Processes of an AS ABAP System
  - Identifying the Processes of an AS Java System
Software Development in SAP Systems
Outlining the Data Structure of an AS ABAP System
Explaining ABAP Workbench Tools
Developing and Transporting Applications
Communication and Integration Technologies
Describing Communication with Remote Function Call-Based (RFC) Technology
Describing Communication with OData via SAP Gateway
Application Lifecycle Management (ALM)
Explaining Application Lifecycle Management (ALM)
Describing the Installation of an SAP System
Describing the Maintenance of an SAP System
SAP Portfolio Overview
Additional Information Sources

Notes
SAPTEC examines SAP NetWeaver Application Server and imparts the knowledge that is required for subsequent courses related to the technology of SAP NetWeaver.
SAPTEC is the entry point for Administration for SAP S/4HANA, SAP Business Suite and SAP NetWeaver.
SAPTEC is the foundation for curricula like System Administration, ABAP Development, Portal, and Process Integration.
COURSE LISTING

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