

SAP Commerce Cloud Backoffice Framework Developer Training

OEM: SAP • Code: C4H365



COURSE DESCRIPTION

The course illustrates the basic functionalities and main concepts of SAP Commerce Cloud Backoffice Framework, and helps participants understand how to customize and configure it, based on their needs. The course is targeted for software developers, software architects and technical consultants. The exercises lead the student through a sequence of tasks typical for Backoffice customization. Students will use components and features of the Backoffice Framework to build a new, custom Backoffice cockpit. They will leverage existing widgets, as well as create their own custom widget, field editor, and action component. They will configure their cockpit to lay these components out, interconnect them to trigger behaviors and share data, and configure the components' UIs. It does not solve project specific problems, but it shows how to tackle most common tasks.

AUDIENCE PROFILE

- Developer
- Developer Consultant
- Solution Architect
- Technology Consultant

PREREQUISITES

Essential

- Basic knowledge of the SAP Commerce Cloud Type System and Administration Console

Recommended

- C4H36e SAP Commerce Backoffice Framework Fundamentals Online Training (available in Learning Hub)
- C4H340 SAP Commerce Cloud Developer Training Part 1
- C4H341 SAP Commerce Cloud Developer Training Part 2
- Excellent knowledge in Java J2EE concepts and patterns
- Excellent knowledge of Spring Framework

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- Customize the Backoffice Framework by creating new widgets in the Backoffice Framework and orchestrating them
- Understand how the widgets communicate in the Backoffice Framework
- Create functionality for a widget with controllers, actions and editors
- Understand how to test your widgets in the Backoffice Framework
- Identify some additional information about the Backoffice Framework

COURSE OUTLINE

Module 1: Introduction

- (Exercise) Class Setup

Module 2: Backoffice Fundamental Recap

- Backoffice Framework Fundamentals
- Backoffice Configuration
- Widgets, Actions & Editors
- Cockpits/Perspectives
- Application Orchestrator
- (Exercise) Create a new Cockpit

Module 3: Development Environment

- Environment Setup
- Development Support
- Training Labs Tool
- (Exercise) Set up the Development Environment

Module 4: Orchestrate a Cockpit

- Orchestration Overview
- Step 1: Create a new Cockpit
- Step 2: Add Widget Instances
- Step 3: Connect the Widget instances
- Orchestration Essentials
- (Exercise) Orchestrate a Cockpit

Module 5: Widget Fundamentals

- Creating a Widget
- Creating the View
- Creating the Controller
- Accessing the Settings
- Changing Widget Model
- Backoffice Application Context

- (Exercise) Create a new Widget

Module 6: Widget Communication

- Socket IO
- Adding Input Sockets
- Adding Output Sockets
- Connecting Sockets
- Mapping View Events
- Trapping Global Events
- (Exercise) Connect your Widgets

Module 7: Widget Context Configuration

- Backoffice Context
- Context Configuration – Data Types
- Context Reuse & Merging
- Orchestrate the Context
- (Exercise) Configure the Context

Module 8: Actions & Editors

- Introduction
- Available Editors Gallery
- Editors in Widgets
- Creating an Editor
- Available Actions Gallery
- Actions in Widgets
- Creating an Action
- Editors & Actions Communication
- (Exercise) Create Custom Editors & Actions

Module 9: Backoffice Testing Framework

- Introduction
- Unit Testing Widgets
- Annotations
- Widget Behavior Testing
- Action & Editor Testing
- (Exercise) Test your Widget

Module 10: Good to Know

- Saved Queries
- Home Dashboard & ZK Charts
- Switching Perspectives

- Authority Groups
- Dynamic Forms
- Localization
- Styling Components