



# SAP - SAP Hybris Commerce Backoffice Framework Fundamentals

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**Code:** HY460e-E-v004

**URL:** [View Online](#)

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## Skills Gained

- This course will prepare you to:
  - understand the basic technical architecture of the Backoffice Framework.

## Who Can Benefit

- Software developers
- Software architects
- Technical consultants

## Prerequisites

- Essential:
  - Familiar with Intermediate Java concepts
  - Basic understanding of the SAP Hybris Commerce Platform
  - Good Knowledge about the Spring core framework, Spring MVC, Spring AOP
  - Basic understanding of the ZK framework
- Recommended:
  - Familiar with the following design patterns:
    - MVC
    - Strategy
    - IOC/Dependency Injection
    - Observer
    - DAO

## Course Details

### Course Content

- Introduction

- Goals and agenda of the course
- Prerequisites
- Where to go for help and FAQ
- Technical Prerequisites
- How to install hybris and run backoffice
- How to set-up your development environment
- Backoffice Framework Overview
  - High-level overview of Backoffice architecture
  - Technologies used in the Backoffice framework
  - The widget concept
  - Overview of the Admin Cockpit
- Widget Essentials
  - Basic concepts of the framework
  - Standard Widgets Library
  - Actions, Editors and Adapters
  - How to customize a widget
  - Technical description of a widget
  - Widget folder structure
- Advanced Widget Features
  - Templates and virtual sockets
  - Introduction of stubs
  - How to apply authority-based restrictions
  - Widget application context
  - Differences between the Spring web application context and the widget application context
  - How to register and utilize beans in the widget application context
  - How to modify beans in the Spring web application context
- Configuration Basics
  - Important XML configuration files
  - How to make configuration changes at runtime
  - Context definition and cockpit configuration service
  - Configuration fallback strategies
  - Spring Expression Language (SpEL)
- Testing and Prototyping
  - Introduction to test-driven development
  - Advantages and disadvantages
  - Overview of the test-driven development lifecycle
  - Best practices
  - Using test-driven development within the Backoffice framework
  - Basic concepts of rapid prototyping
  - How to configure your IDE to enable rapid prototyping
  - Rapid prototyping in practice

- Cockpit Data Integration
  - Introduction to cockpit data integration
  - The cockpit data integration abstraction layer
  - Facades
  - How to integrate with third-party data layers

## Notes

- Course length: 3 hours and 14 minutes
- Only SAP Hybris customers and partners will have access to the SAP download center whereby they can install hybris software. All others have to use WTS.
- If you are an SAP hybris customer or partner, we recommend that you use your own machine for the best training experience. If you decide to use your own machine it should have at least the following configuration: dual core CPU, 8 GB memory, 3 GB of free hard disk space and local admin user rights.

## Course based on software release

- SAP Hybris Commerce Suite 6.1
  - Most recent Java 8 Development kit-64 bits
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