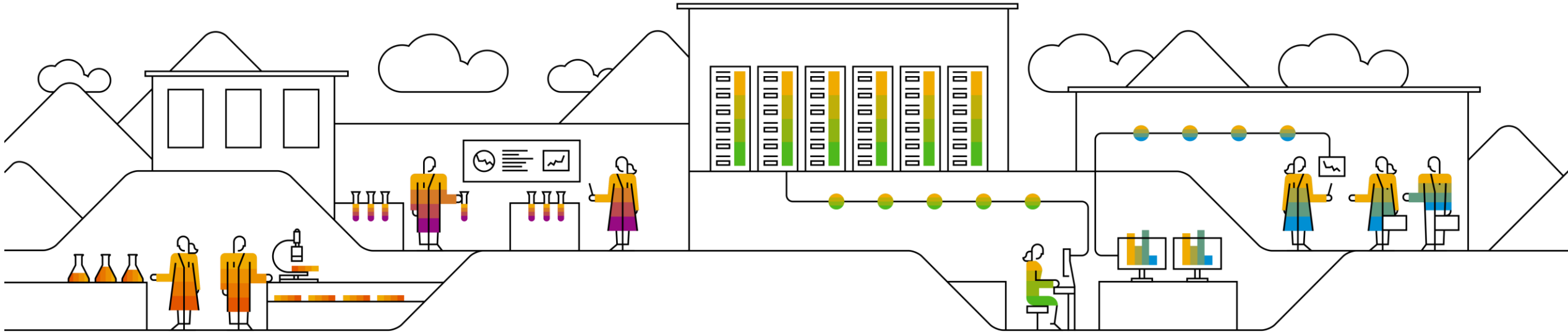


SAP Customer Experience

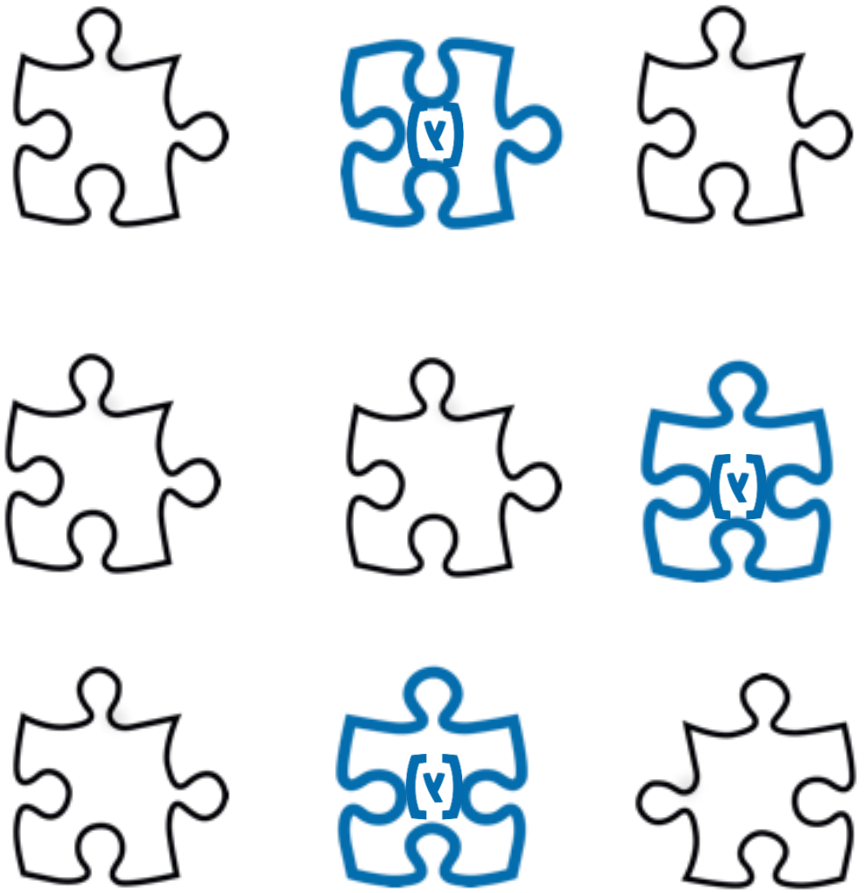
SAP Commerce Cloud Backoffice Framework Developer Training

THE BEST RUN SAP

Welcome to the

SAP Commerce Cloud Backoffice Framework Developer

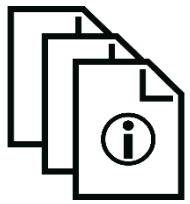
Training

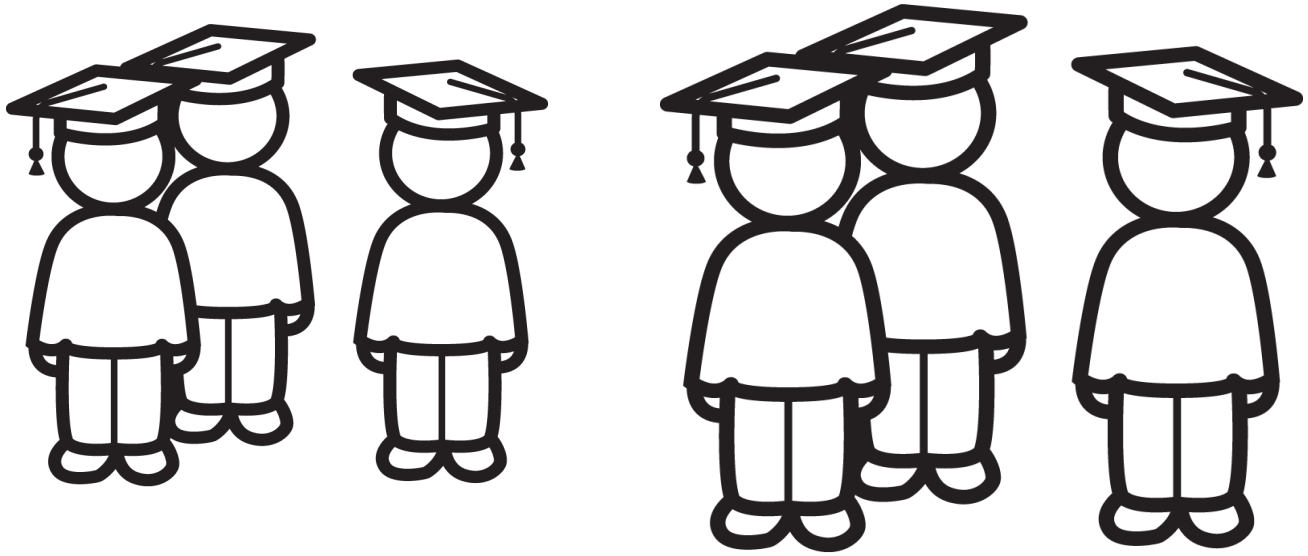


Some Necessities

- Participant List

- Course Material





Personal Introduction

Personal Introduction

SAP CX Trainer

Name

Role

Spring/JEE Project Experience

Company

Previous SAP Commerce Cloud Experience, incl. Cockpit / Backoffice

Hobbies

Training Content – Theory + Practice

This course consists of modules consisting of two parts:

- In-class Lectures
  - Illustrate the theory behind core functionality and main concepts of the SAP Commerce Cloud Backoffice Framework
  - Demonstrate the software
  - Give an idea of what's available out-of-the-box and what has to be implemented
- Instructor-assisted Exercises (for most modules)
  - Give you a chance to write a "Hello World" for each topic presented
  - Answer your questions and assist you with the lab exercises

Training Content – What's Not Included

It will not cover the following topics:

- SAP Commerce Cloud Platform or Accelerator
  - for that, we offer SAP Commerce Cloud Developer Training, Part I and Part II (C4H340 & C4H341)
- System Administration
  - for that, we offer SAP Commerce Cloud System Administrator Training (HY300)
- Customer-/Project-specific problems

Training Requirements

- Laptop or Personal Computer with Administrator Rights
- 64-bit Windows, Linux, or Mac-OS X
- Minimum 8 GB of available RAM
- One or more free USB Slots (to transfer exercise materials to your local computer)
- Latest Java 8 – 64 bit (Oracle JDK, not just JRE)
- A Java IDE
  - For your convenience, we provide an installer for Eclipse Oxygen (Java Developer Edition)
    (NOTE: This is the IDE on which the exercise instructions and screenshots were based)
- FOR WINDOWS: An unzipping tool that reliably handles very long path names
  (ideally 7Zip or WinRar)

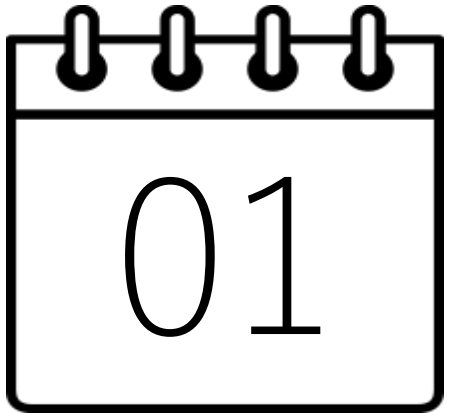
Training Prerequisites

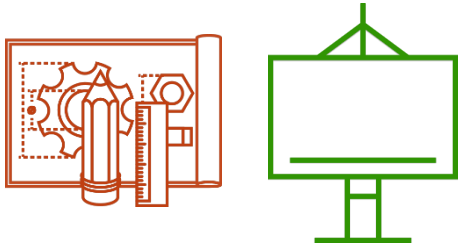
- HY460e: SAP Commerce Cloud Backoffice Framework Fundamentals (online course)
  - This important preparation will save you *loads* of time and confusion when doing the exercises in this course
- Beginner-level ZK Framework knowledge (very helpful)
- Good Java knowledge

What you will learn

- Create a new cockpit/layout in the Backoffice application
- Use existing widgets
- Use the standard widgets library
- Create a new widget
- Connect widgets
- Define a configuration for your widget and use the merge capability
- Create a custom configuration adaptor
- Create custom actions and editors
- Unit test your widget
- Use the Spring Application Context to register a new data layer
- White-label and provide localization for your application

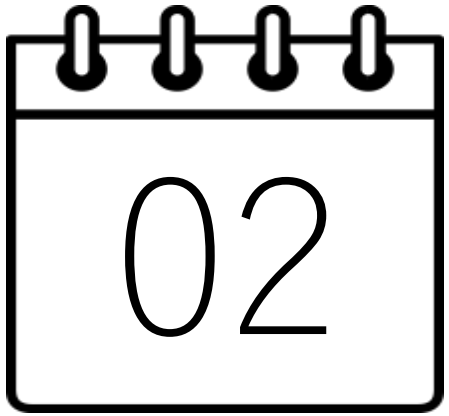
Agenda

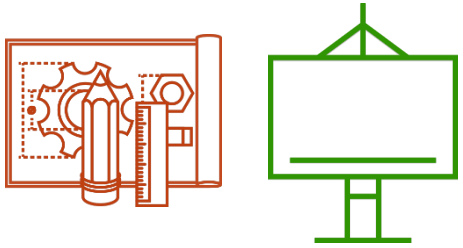




1. Introduction*
2. Backoffice Fundamentals Recap*
3. Development Environment*
4. Orchestrate a Cockpit*
5. Widget Fundamentals*

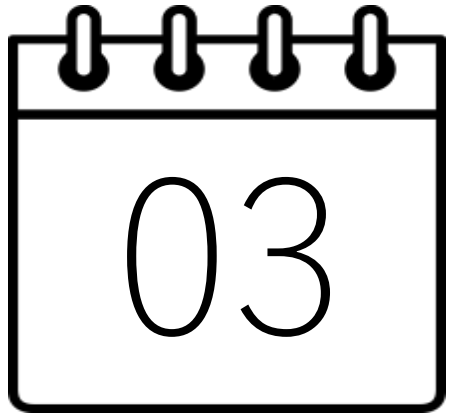
Agenda

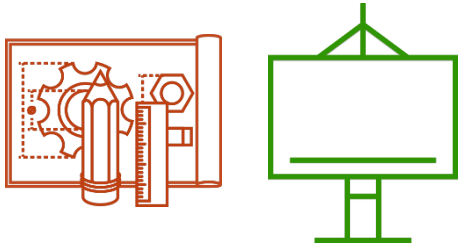




6. Widget Communication*
7. Widget Context Configuration*
8. Actions and Editors*

Agenda





9. Backoffice Testing Framework*
10. Enhancing Your Cockpit*
11. Data Integration
12. Look & Feel and Localization

Demo

Exercise 1

Exercise 1 – Set Up the Bookstore

A Bookstore built on the SAP Commerce B2C Accelerator is provided for you.

It’s what you would create if you completed the SAP Commerce Cloud Developer trainings.

I. Build Preparation

Setup the JAVA related environment variables

- `$JAVA_HOME`
- `$PATH`

Extract the provided zip file (if you work locally only)

- `sapCom-BF-OSX-1811.0.0.zip` (Mac)
- `sapCom-BF-win64-1811.0.0.zip` (Windows x64)

II. Build the Store & Initialize

Set the Ant home to the one that comes with the Commerce platform

- `setantenv.bat`
- `setantenv.sh`

Build and initialize

- `$ ant initialize`
- Note: “initialize” target includes also “build” and ”server” targets

Thank you.