# C4H340 - SAP Commerce Cloud Developer Part 1 Training

Duration: **4 Day**

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**Course based on software release:**

- SAP Commerce Cloud 2211

**Notes:**

- The course contains a set of exercises corresponding to each introduced course content. All the exercises can only be performed in a pre-configured SAP Virtual Machine (aka. SAP VM). Details about how to connect to the SAP VMs will be introduced on the first day of the course.
- Disclaimers
- This course content is valid for both the cloud and on-prem versions of SAP Commerce Cloud.
- If you are not an official SAP partner or customer (NDA signed), you cannot access the Help Documentation as shown in this course. Follow these links for registration information: Help.
- This does not affect the duration of the course. Accessing the Help Documentation is not a mandatory part of this course and therefore do not affect the educational value of the training.

## Prerequisites

**Essential**

- Excellent knowledge in Java J2EE concepts and patterns
- Excellent knowledge of Spring Framework

**Recommended**

- None

## Who Should Attend

- Developer
- Developer Consultant
- Solution Architect
- Technology Consultant

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## What You Will Learn

- This course will prepare you to:
  - install and configure SAP Commerce Cloud.
  - understand the fundamental technical aspects of SAP Commerce solution on premise and cloud version
  - understand how to develop and code through SAP Commerce Cloud platform
  - install, configure, and provide basic customization to SAP Commerce Cloud, composable storefront
  - know how to build and deploy SAP Commerce Cloud to the SAP Cloud environment
  - know where to get additional information, best practices and documentation

## Training Outline

- Overview
- Installing SAP Commerce Cloud
  - Build Framework
  - Extension concept
  - Basic Configuration
  - SAP Commerce Cloud Server
  - HAC, Initialization and Update
  - Recipes
  - Spring in SAP Commerce Cloud
  - Exercise How-to
  - (Exercise) Class Setup
- Data Modeling
  - Introduction to the Type System
  - Collections & Relations
  - Deployment
  - Type System Localization
  - (Exercise) Data Modeling
- Product Modeling
  - Product Content Management Basics
  - Product Modeling Overview
  - Classification System
  - Product Variants
  - (Exercise) Product Modeling
- ImpEx
  - Overview of ImpEx
  - Syntax & Examples
  - Invoking ImpEx
  - Distributed Impex
  - (Exercise) Impex
- Flexible Search
  - Overview
  - Syntax
  - API Examples
  - Flexible Search alternatives
  - (Exercise) Flexible Search
- Services

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    - Service Layer
    - Commerce Services
    - Models
    - Platform Testing Environment
    - Transactions
    - ServiceLayer Direct
    - (Exercise) Services
- Facades
    - Facades Overview
    - Bean Generation
    - Conversion Process
    - Commerce Facades
    - (Exercise) Commerce Services & Facades
- Composable Storefront Briefing
    - Composable Storefront Overview
    - Composable Storefront – Essentials & Features
    - (Exercise) Composable Storefront
- WCMS
    - Storefront Management
    - CMS Model
    - Slots & Components
    - View Rendering
    - Personalization
    - SmartEdit
    - Website Links
    - (Exercise) WCMS
- SAP Commerce Cloud Portal
    - Introduction to Cloud Portal
    - Code Repository Connection
    - Code Repository Structure
    - Build & Deployment
- Security
    - Basics
    - Type-Based Access Rights
    - Item-Based Restrictions
    - Spring Security
    - Additional Security Features
    - (Exercise) Security
- SAP Commerce Cloud Know-How
    - Deployment & Maintenance
    - Logging & Debugging
    - Integration Scenarios
    - GDPR in SAP Commerce Cloud
    - Knowledge Webography