

# SAP Commerce Cloud Developer Part 1

Download Whitepaper: Accelerate Your Modernization Efforts with a Cloud-Native Strategy  
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**Course Number: C4H340**

**Duration: 4 days**

## Overview

## Course Description

## Skills Gained

- 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

## Who Can Benefit

- Developer
- Developer Consultant

- Solution Architect
- Technology Consultant

## Prerequisites

- Essential:
  - Excellent knowledge in Java J2EE concepts and patterns
  - Excellent knowledge of Spring Framework
- Recommended: - None

## Course Content

- 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
  - 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

## 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.

### **Course based on software release**

- SAP Commerce Cloud 2211