

HCL-CO-PRO-9.1

HCL Software Certified Professional – HCL Commerce V9.1.x Developer Certification Exam Guide

Introduction

This Professional-level exam certifies that the successful candidate has a strong understanding of the core features and development capabilities of **HCL Commerce V9.1.x**.

The candidate must demonstrate knowledge in areas such as HCL Commerce architecture, storefront development, REST APIs, catalog and search functionality, order management, and deployment practices. This certification validates the ability to develop, customize, and manage e-commerce applications using HCL Commerce.

Recommended Skills

- Understanding of **HCL Commerce V9.1.x architecture**
- Knowledge of **Java, REST APIs, and web technologies (HTML, CSS, JavaScript)**
- Experience with **store development and customization**
- Familiarity with **catalog, inventory, and order management**
- Understanding of **search (Elasticsearch) and indexing**
- Basic knowledge of **Docker, Kubernetes, and cloud-native environments**
- Ability to troubleshoot and debug Commerce applications
- Awareness of **security and performance best practices**

Exam Format

- **Multiple Choice** – one correct answer
- **Multiple Response** – two or more correct answers
- **Number of Questions:** 50
- **Passing Score:** 70% (35/50)
- **Exam Duration:** 75 minutes

Unanswered questions are scored as incorrect, so it is recommended to attempt all questions.

Exam Results

The exam uses a standardized scoring model to determine the pass/fail cutoff score based on the performance of minimally qualified candidates.

- Minimum passing score: **35 out of 50**
- Score reports may include a breakdown by competency areas
- Candidates only need to pass the overall exam (not each section individually)

This feedback helps identify areas for improvement and further learning.

Exam Content

This exam measures your knowledge across the following competency areas:

Competency Area	% of Examination
HCL Commerce Architecture & Components	15%
Storefront Development & Customization	20%
Catalog & Inventory Management	10%
Search & Navigation (Elasticsearch)	10%
Order Management & Transactions	10%
Integration & REST APIs	15%
Security & Performance	10%
Deployment & Environment Management	10%
TOTAL	100%

Detailed Competency Areas

Competency Area 1: Architecture & Components

- 1.A HCL Commerce V9.1.x Architecture Overview
- 1.B Transaction Server, Search Server, and Store Server
- 1.C Cloud-native and containerized architecture

Competency Area 2: Storefront Development & Customization

- 2.A Store structure and storefront concepts
- 2.B JSP/React-based storefront customization
- 2.C Widget and component customization
- 2.D UI and experience management

Competency Area 3: Catalog & Inventory Management

- 3.A Catalog structure and product modeling
- 3.B Categories, SKUs, and attributes
- 3.C Inventory and availability management

Competency Area 4: Search & Navigation

- 4.A Elasticsearch integration
- 4.B Indexing and search configuration
- 4.C Faceted navigation and search tuning

Competency Area 5: Order Management

- 5.A Order lifecycle and processing
- 5.B Pricing, promotions, and checkout flow
- 5.C Payment and shipping integration basics

Competency Area 6: Integration & REST APIs

- 6.A REST API usage and customization
- 6.B Integration with external systems
- 6.C Data services and extension points

Competency Area 7: Security & Performance

- 7.A Authentication and authorization
- 7.B Performance tuning and caching
- 7.C Best practices for secure development

Competency Area 8: Deployment & Environment Management

- 8.A Docker and containerization basics
- 8.B Kubernetes deployment concepts
- 8.C Environment configuration and troubleshooting

Exam Preparation Resources

It is recommended to use the following resources:

- **HCL Commerce V9.1.x Developer Foundation Training**
- **HCLSoftware U Learning Platform**
- **Product Documentation**
- **Hands-on practice in HCL Commerce environments**

These resources are not mandatory but are highly recommended to strengthen your knowledge and practical skills.

Exam Registration

You can register for the exam through the Pearson VUE platform:

HCLSoftware Certification Portal (Pearson VUE)

<https://home.pearsonvue.com/hclsoftwareacademy>