



Optimizely Commerce Cloud Developer

Reference Material for the 2023 Optimizely Commerce Cloud Developer Certification Exam

Introduction

This reference guide is meant to help you in your goal to become a certified Optimizely Commerce Cloud Developer. It contains centralized links to key Optimizely documentation that aligns with what is being measured on the certification exam.

Each topic on the certification exam is outlined in this guide with links to documentation to help you review, learn, and prepare. The full content outline as well as other exam details are available in the [Commerce Cloud Developer Certification Exam Guide](#).

It is important to note that this reference guide is ancillary support for knowledge that you should already have as a practicing Developer. You should have prior exposure to the product and knowledge through a combination of previous Optimizely training and hands-on experience with the Commerce Cloud product.



Reference Links

Table 1 includes links to resources that are aligned to each of the content areas on the Commerce Cloud Developer certification exam. Table 2 includes additional general resources not aligned to particular content areas.

As of September 2022, the Optimizely Education team is in the process of migrating to a new website and Optimizely Academy. While we update our information and links about **instructor-led training courses** applicable to this course of study, please email education@optimizely.com with any questions or for more information.

Table 1. Resource links outlined by exam content area.

Catalog System		
Catalog Management	Managing relations/associations using the UI	Product associations
		Related entries
	Catalog media	Assets and media
	Creating and editing catalog data	Creating and editing a catalog
Structure Modeling	Catalog modeling	Guidelines for working with catalogs
		Catalog content
	Catalog types	Catalogs overview
		Catalogs
Using Catalog System & Services	Managing relations and associations using catalog services	Catalog service
		Gets all the catalog entry associations
		Gets all the node entry relations
		Gets all relations where the specified catalog node is the child or the parent
		Catalog entry properties
	Managing product data	Product variants
Working with catalog entries		

	Connect entry to template	Catalog entry associations
	Connect product/catalog information with data in Content Cloud	Commerce rendering templates
	Rendering of catalog content	Catalog content provider
	Reference converter	Catalog content provider - Reference Converter
	Creating models for catalog in code	Catalog content model
Markets	Market associations	Markets
		Multi-market examples
		Markets overview
Catalog Permissions	Catalog security	Security for Commerce Cloud
		Authorization and authentication
		Access rights
Installation, Operation & Configuration		
Deployment	Event system	Event management
	Scaling and load balancing	Project recommendations
		Deploying an Existing Commerce Site
Performance	Consequences of design	Project recommendations
		Guidelines for working with catalogs
	Caching	Caching
	Performance testing	Optimizing Content Cloud performance
Performance Considerations		
Installation	Upgrading	Upgrading Commerce 14
	Configuration	Configuration

		Get started developing with Commerce Cloud
Content Cloud Integration		
Product Overview	Authentication and authorization	Authorization and authentication
	Globalization	Globalization
	Initialization	Initialization
	Event management	Event management
	Commerce scheduled jobs	Scheduled jobs
	Working with IOC	IContentRepository
	Content Cloud architecture	Architecture
Promotions & Pricing		
Promotions	Definition of promotions (possibilities)	Promotions
	Calculating discount price	Promotion engine
		Marketing campaign
Promotion events	Marketing and campaigns	
Pricing Calculations	Calculating pricing	Pricing
	Tax calculation	Tax calculator
	Pricing API (provider model)	Gets all the catalog entry prices
Order Management		
Shipping	Shipping providers	Shipping gateways and providers
		Shipping
		Shipping methods
Inventory	Warehouse/inventory API	Warehouses and inventories
	Inventory processing	Inventory requests

	Managing inventory	Catalog entry properties - inventory for variants
Order Processing & Manipulation	Cart and purchase orders	Orders
		Carts
		Purchase orders
	Order structure modification	Order manipulation
		Changing default implementation
	Check-out flow	Orders overview
		Shopping carts
	DTOs	Catalog object model - DTO object model
		Catalog DTO and object models
	Fulfillment	Multi-warehouse implementations - fulfillment technical details
		Order processing
	Returns	Returns and exchanges
		Creating a return order form and exchange offer
	Recurring orders (payment plans)	Subscriptions
Collecting subscription data		
Order processing		
Calculating orders	Calculating orders	
Payments	Authorizing and capturing payments	Payments
		Purchase orders
	PCI compliance	Web Application Firewall - PCI Compliance
		Payments - PCI Compliance
Built-in payment providers	Payment gateways	

Custom Commerce Implementation		
Features	Shipping	Shipping
		Shipping overview
	Calculators	Calculating orders
		Adjust your Tax Calculation Valtech
	Payment Providers	Payment plugins
		Payments
		Payment plans
	Tax Providers	Tax calculator
		Taxes
	Pricing	Changing default conventions
	Promotions	Custom promotions
	Catalog	Catalogs

Table 2. General commerce cloud resource links.

General Commerce Cloud Developer Resources		
General	Commerce Cloud (B2C) Release Notes	Commerce Cloud (B2C) Release Notes
	Commerce Cloud (B2C) Class Library	Commerce 14 Class Library
	Optimizely Terminology Glossary	Glossary of Optimizely terminology