



CoreShop Training Programm

Introduction

Embark on a journey to master CoreShop, the powerful e-commerce framework designed for Pimcore. This comprehensive training program is meticulously crafted for developers with foundational knowledge in Pimcore and Symfony, aiming to equip you with the expertise to leverage CoreShop's full potential in creating sophisticated e-commerce solutions.

Our training will delve into the depths of CoreShop's architecture, revealing the intricacies of its seamless integration with Pimcore and demonstrating the flexibility that comes with its Symfony-based foundation. From the essentials of setup and configuration to the complexities of customization and extension, we will guide you through every step of the process.

As we navigate through the robust features and backend management tools, you will gain hands-on experience in product management, pricing strategies, order processing, and much more. Our curriculum is designed to not only impart knowledge but also to inspire innovation and excellence in your e-commerce projects.

We look forward to fostering your growth as a CoreShop expert and are excited to support you in unlocking new possibilities within the realm of digital commerce.

Training Prerequisites

To ensure a productive and effective learning experience during the CoreShop training program, participants are expected to have the following foundational knowledge and skills:

Pimcore Basics

Familiarity with Pimcore's interface and an understanding of its core concepts, such as documents, objects (data objects), assets, and classes. Participants should also be comfortable with Pimcore's administrative backend and have prior experience working with Pimcore's content management features.

Symfony Framework

A solid grasp of the Symfony framework, including its structure and the Symfony Standard Edition. Participants should have hands-on experience with Symfony's console commands, routing, controllers, and services. Basic knowledge of Symfony's Twig templating engine is also expected.

Object-Oriented Programming (OOP)

Proficiency in object-oriented PHP programming, including knowledge of classes, objects, properties, methods, and inheritance. An understanding of PHP namespaces and traits would be beneficial.

Web Development Fundamentals

A good understanding of web development principles, including HTML, CSS, and JavaScript. Familiarity with jQuery or other JavaScript frameworks would be advantageous.

Development Environment

Ability to set up a local development environment. Participants should be prepared with a working setup of PHP, a web server (like Apache or Nginx), a database (like MySQL) and Pimcore.

Composer

Understanding of Composer dependency manager for PHP, including how to install and update packages.



Participants are encouraged to refresh their knowledge in these areas prior to attending the training to maximize the benefits of the program. If you require any resources to assist with your preparations, please contact us in advance.

Adaptive Learning Approach

At CoreShop, we believe in a dynamic and participant-focused training environment. While we have crafted a detailed agenda to serve as a solid framework for our training program, we embrace the fluid nature of learning and understand that each group of participants may have unique needs.

Flexibility is our Guiding Principle

Our agenda serves as a guideline rather than a rigid itinerary. We stand ready to adapt our sessions to better align with the specific interests, requirements, and skill levels of the attendees.

Tailored Training Experience

Should you find that certain aspects of the program require deeper exploration, or if there are specific challenges your team wants to tackle, we will adjust our focus accordingly. Our trainers are experts at customizing content on the fly, ensuring that your learning experience is both relevant and applied.

Collaborative Learning Environment

We encourage open dialogue and active participation. Your input helps us shape the course to provide maximum value. Whether it's spending more time on a tricky concept or introducing additional hands-on exercises, your training goals are our top priority.

Goal-Oriented Adjustments

If there are areas outside of the current agenda that you would like to explore, please communicate these to us. Our aim is to ensure that by the end of our time together, you not only understand CoreShop inside and out but also feel confident in applying it to achieve your business objectives.



Rest assured, our flexible approach is designed to provide a comprehensive and enriching learning experience tailored just for you.

Curriculum

Training Program	
Introduction	
Overview of the Features/Backend	1
Architecture	0.25
Bundles/Components	0.25
Reusability	0.25
Installation	0.25
Doctrine Models	0.5
Pimcore Models	0.5
Backend UI	0.5
Frontend	0.5
Hands On: Install CoreShop and Demo Data	1
Total	5
Products	
Purchasable - Price Calculation - Retail Price - Discount Price - Discount	2
Product	1
Product Price Rules	0.5
Specific Product Price Rules	0.5
Changing Product Model	0.25

Adding a Bundle Product	1
Stock Management	0.25
Variants: Attribute Groups and Attributes	0.5
Hands On: Create a new Bundle Product	4
Total	10
Checkout	
Checkout Manager	0.5
Checkout Steps	0.5
OPC Checkout Example	0.25
Optional Steps	0.25
Hands On: Create a new Field in the Checkout: Gift Wrapping	2
Total	3.5
Payment	
Payum	0.125
Available Providers	0.125
Total	0.25
Order Management	
One Order (Cart/Order/Quote)	0.25
Order creation Process	0.25
Backend Management	1
Workflow / State Machine Default States (Order, Payment, Shipping, Invoice)	0.5

Adding Workflow States	0.5
Invoice	0.25
Shipment	0.25
Hands On: Show the Gift Wrapping Field in Order Management	2
Hands On: Add a new State to the Payment Workflow	2
Total	7
Cart Management	
Cart Price Calculation	0.5
Cart Processors	0.25
Adjustments	0.25
Cart Price Rules	0.25
Cart Price Vouchers	0.25
Cart Context	0.25
Hands On: Create a new Cart Processor and Calculate Custom Customer Discounts	4
Total	5.75
Shipping	
Carrier	0.125
Shipping Rules	0.125
Total	0.25
Notifications	
How does CoreShop send emails	0.25

Configure Notifications	0.25
Total	0.5
Extending CoreShop Models	
Doctrine Models	0.125
Pimcore Models	0.125
Hands On: Extend the Store Model with a "Show VAT in Frontend" field	2
Hands On: Extend the CoreShopProduct Model with a External ID Field and Import Data	2
Total	4.25
Extending CoreShop	
Adding Custom Price Conditions/Actions	0.5
Adding Notification Type	0.25
Override Frontend Controllers	0.25
Override Backend Controllers	0.25
Extend Backend Order View	0.25
Hands On: Create a Custom Condition for Product Price Rules that randomly decides if valid	1
Total	2.5
Templating	
Best practice	0.25
Twig Helpers	0.25
Macros	0.25

Total	0.75
Update and Migrations	
How to update CoreShop	0.25
How to run Migrations	0.25
Total	0.5

CoreShop Bundles outside eCommerce

CoreShop Bundles outside eCommerce Context	
Index Bundle - Create a new Indexable - Create a new MySQL Index - Index All Objects - Create custom query for the Index - Create a Filter Definition - Use the Filter Definition in a Pimcore Brick - Hands On: Install in existing Project and make a DataObject indexable	3
Pimcore Bundle - Twig Helpers - Admin Helpers - Migration Helpers - Class Installer - Class Updater - Batch Object Listing	1
Menu Bundle - Create a new Menu - Add new Entries - Add Backend Logic to do something with the Menu	0.5
Messenger Bundle - Installation and Usage	0.25

Optimistic Entity Lock - How to Lock Entity	0.25
Class Definition Patch Bundle - Idea and Usage	0.25
Theme Bundle - Installation and Usage	0.25
Total	5.5