

ICM-116: Intershop 7 – System Administration

Description

In this 4-days training done on CentOS Linux running in a VM you will get hands-on practice installing, configuring and administering an Intershop 7 system on top of an Oracle database server.

An important topic is the Continuous Integration (CI) process, which is the Gradle based build, publishing and deployment process of Intershop 7 systems.

You will understand the technical details and learn to administer an Intershop 7 system. You will then explore the access points for configuring Intershop 7: Various properties files and log files. You will see how to install and initialize an Intershop 7 cluster as well as to perform a data replication between different Intershop 7 clusters. You will also become familiar with monitoring tools.

What you will learn

- ▶ Database server setup
- ▶ Setup and configuration of remote Artifact Repository
- ▶ Setup and configuration of build server (Jenkins)
- ▶ Download bootstrap for project and CI environment, create project and CI environment
- ▶ Download Intershop's responsive starter store
- ▶ Prepare custom component set and assembly
- ▶ Import project and CI environment into the version control system (SVN).
- ▶ Configuration and execution of Jenkins jobs as preparation for CI and developer builds.
- ▶ Demonstration of CI workflow
- ▶ Checkout of developer environment
- ▶ Automatic generation of snapshots
- ▶ Deployment of a release to two servers (LIVE, EDIT) ready for Data Replication.
- ▶ Additional service component administration
- ▶ Cluster architecture and communication processes
- ▶ Web server, web adapter and web adapter agent
- ▶ Management and administration
 - ▶ Properties files, (SMC)
 - ▶ Tomcat Cluster Management Console (TCC)
 - ▶ Configuration framework /Loggin Framework

- ▶ Tools
 - ▶ Rest calls
 - ▶ Command Line Client
 - ▶ Ant tasks
- ▶ Security aspects
- ▶ High availability and scaling
- ▶ Monitoring
- ▶ Caching
- ▶ Data Replication

Pre-Requisites

- ▶ Participation in Intershop 7- Overview (ICM-100) recommended
- ▶ Familiarity with:
 - ▶ IT technology and networking
 - ▶ Server administration issues
 - ▶ Database administration
 - ▶ Linux OS

Duration

4 days

Target Audience

- ▶ System Administrators
- ▶ Technical Consultants

Practical Exercises

30%

Tools

- ▶ Intershop 7
- ▶ Nexus, Jenkins, SVN
- ▶ Intershop Studio
- ▶ JMX client

Books

Training Manual
Cookbooks