

WEBSHERE COMMERCE SERVER ADMIN 7.0 COURSE CONTENT

- ❖ Install and configure the product for production and staging environments
- ❖ Perform migration to WebSphere Commerce V7.0
- ❖ Scale up and deploy in a WebSphere Application Server Network Deployment environment.
- ❖ Publish a store, configure it, and verify that it is working
- ❖ perform ongoing site and store administration and maintenance tasks
- ❖ Use administration tools
- ❖ Enable and configure payments framework
- ❖ Configure WebSphere Commerce messaging transports
- ❖ Set up and control WebSphere Commerce site security
- ❖ Load data into WebSphere Commerce database
- ❖ Perform troubleshooting and diagnostic tracing
- ❖ Apply fixes and fix packs
- ❖ Install feature packs and enable features
- ❖ Deploy and update customized code
- ❖ Monitor and tune system performance

DETAILS OF WCS 7.0 ADMIN TRAINING:

- ❖ **SECTION 1 - ARCHITECTURE (9%):**
 - Identify components of IBM WebSphere Commerce and how IBM WebSphere Commerce integrates with other products.
 - Describe supported system topologies and available IBM WebSphere Commerce Editions.
 - Describe IBM WebSphere Commerce component architecture (e.g., data load, payment, etc.)
- ❖ **SECTION 2 - INSTALLATION, CONFIGURATION AND MIGRATION (14%):**
 - Describe hardware and software requirements for IBM WebSphere Commerce V7.0.
 - Install development, staging, authoring and runtime environments in both single and multi-tier environments.
 - Create and configure IBM WebSphere Commerce instances using IBM WebSphere Commerce Configuration \$Manager and command line tools.
 - Perform migration to IBM WebSphere Commerce V7.0 using the migration tools.
 - Verify and troubleshoot the installation, configuration and migration tasks.
 - Demonstrate how WebSphere Commerce supports globalization.
- ❖ **SECTION 3 - SET UP AND ADMINISTER IBM WEBSHERE COMMERCE STORES (30%):**
 - Compare and contrast the steps necessary to publish a store using the Publish Wizard versus the publishstore utility.
 - Apply the concepts of store archives and store assets, and describe which store models are available.
 - Publish a store to support a business model and verify its functionality.
 - Manage organizations, groups, users and roles.
 - Configure store features such as store flow, store style, email activity, marketing and promotions.
 - Configure scheduler jobs to support store features.
 - Create and configure message types and transport methods.
 - Build, package, deploy and verify custom assets.
 - Use WebSphere Commerce staging and data load utilities.
 - Describe the different catalog management tools and their uses.
 - Demonstrate knowledge of workspaces.
 - Enable and configure Social Commerce, Mobile Commerce, and Gift Registry.
 - Configure payment plug-ins and payment rules.

❖ **SECTION 4 - MAINTAIN AND MONITOR IBM WEBSHERE COMMERCE (11%):**

- Install fixes, fix packs and feature packs.
- Describe the logging services and identify the logs available in WebSphere Commerce.
- Use of database cleanup utility.
- Configure scheduler jobs for site-level activities.
- Backup resources for disaster recovery.

❖ **SECTION 5 - SECURITY AND AUDITING (11%):**

- Describe WebSphere Commerce security and authentication model.
- Demonstrate how to enable different levels of WebSphere Application Server Security.
- Configure and manage access control.
- Configure WebSphere Commerce security using LDAP, SSL and Single Sign-On (SSO).
- Apply business auditing features.
- Configure WebSphere Commerce implementation to address PCI-DSS (PCI Data Security Standard).

❖ **SECTION 6 - PERFORMANCE TUNING (11%):**

- Apply recommended JVM settings for WebSphere Commerce sites.
- Configure Dynamic caching and use the Cache Monitor tool to administer it.
- Monitor performance using WebSphere Commerce Performance Monitoring Infrastructure (PMI) module.
- Illustrate database performance tuning options.
- Apply WebSphere Application Server optimization techniques.
- Perform clustering for high availability and load-balancing.

❖ **SECTION 7 - SUPPORT AND TROUBLESHOOTING (14%):**

- Perform troubleshooting of WebSphere Commerce and its software components.
- Use logs and traces for problem determination.
- Use data in WebSphere Commerce database tables for troubleshooting.
- Troubleshoot payment processing issues.
- Use of IBM self-help tooling for support and troubleshooting.
- Demonstrate understanding of IBM Software Support.