

Course name : IBM WebSphere Portal V6.0: Administration 2

General information (in English):

Code:	WP720
Language:	English
Additional languages:	
Brand:	Lotus
Additional brands:	None specified
Product:	WebSphere Portal
Release:	6.0
WW region:	WorldWide
Target audience:	System Administrator
Format(s):	Classroom Number of Days: 2 days

Price:

Call us now for pricing details at **1-630-785-2350**

Summary description:

In this hands-on course, students explore the advanced operational aspects of an IBM WebSphere Portal Version 6.0. Students practice the necessary skills for an administrator or architect to administer an existing WebSphere Portal environment including, configuring a horizontal Portal cluster, deploying resources (such as portlets, themes and skins) in a clustered environment, troubleshooting a Portal clustered environment, moving Portal from staging to production, and performing additional administrative tasks in a clustered environment.

Course description

WP720 - WebSphere Portal V6.0 Administration - 2

Duration: 2 days

Purpose:

- This course exposes the system developer, portal architect, or administrator to the processes and practices for the installation and deployment of WebSphere Portal 6.0 in a cluster environment.
- This course focuses on the installation, deployment, and administration of WebSphere Portal within a cluster environment.
- Hands-on lab exercises are provided throughout the course.

Course objectives

At the end of this course, you should be able to:

- Explain portal topologies
- Describe portal installation scenarios
- Create a portal cluster
- Deploy portlets, skins, and themes to a cluster
- Move portal content from staging to production environments
- Troubleshoot problems in a clustered environment
- Describe production procedures and administration in a clustered environment
- Implement a database configuration split

- Enable multiple LDAP and multiple realm support



Course prerequisites

- Administration skills using WebSphere Administration Server 6.0
 - Acquired through experience or completion of the SW246 *WebSphere Application Server V6 Administration* course
- Knowledge of portals and WebSphere Portal
 - Acquired by completing the Web-based WP010 *WebSphere Portal V6.0 Fundamentals* course
- Basic knowledge of WebSphere Portal security concepts
 - Acquired by completing the WP710 *WebSphere Portal Administration - 1* course

Agenda – Day 1

- Unit 1: Course introduction and overview
- Unit 2: Portal topologies
- Unit 3: Portal installation scenarios
- **Exercise 1: Verifying and exploring a multinode Portal ND cell**
 - Unit 4: Creating a Portal cluster
- **Exercise 2: Creating and testing a Portal cluster: Primary node**
- **Exercise 3: Creating and testing a Portal cluster: Secondary node**
 - Unit 5: Deploying portlets, skins, and themes to a cluster
- **Exercise 4: Deploying portlets, skins, and themes to a cluster**
 - Unit 6: Moving from staging to production

Agenda – Day 2

- **Exercise 5: Staging to production: Full release**
- **Exercise 6: Staging to production: Incremental release**
 - Unit 7: Troubleshooting Portal in a clustered environment
- **Exercise 7: Troubleshooting a Portal cluster (optional)**
 - Unit 8: Production procedures and administration
- **Exercise 8: Production procedures**
 - Unit 9: Multiple LDAP user registries
- **Exercise 9: Configuring realm support**

- Unit 10: Course summary



Topics covered:

This course covers the following topics:

Identifying WebSphere Portal architecture and high availability topologies

- Vertical and Horizontal Portal Clusters
- Replicating Databases
- Replicating LDAP Servers
- Example Topologies

Defining WebSphere Portal installation scenarios from stand-alone servers to clustered environments

- Configuring WebSphere Portal with an existing instance of WebSphere Application Server
- Configuring coexisting WebSphere Portal products on the same machine
- Advanced configuration options
- Verifying a Portal cluster instance
- Troubleshooting Portal cluster problems

Creating a portal cluster and implement vertical and horizontal scaling

- Network Deployment concepts
- Cluster concepts
- Vertical clusters
- Horizontal clusters
- Steps for creating a portal cluster
- Cluster topology
- Session persistence and caching
- Dynamic caching

Deploying portlets, skins, and themes to a cluster using various administrative tools

- Portlet deployment
- Node synchronization
- Review of themes and skins
- Using administrative scripting tools
- Creating themes and skins
- Installing skins and themes in a cluster

Moving portal content from staging to production environments

- Portal staging process
- Build a release process
- Full or solution release
- Incremental/differential release
- XML configuration interface tool (xmlaccess)
- Building a differential release
- Using the ReleaseBuilder tool

Troubleshooting problems in a clustered environment

- Problem determination overview of components
- Categories of problems
- WebSphere and Portal logs
- How to enable tracing in WebSphere and Portal
- Using the IBM Support Assistant
- Using the Tivoli Performance Viewer

Performing database backups and other production procedures in a clustered environment

- Backup configuration and restore configuration procedures
- Database and LDAP directory backup/restore procedures
- How to switch the Portal database to another server
- How to switch the LDAP user registry to another server
- How to apply Portal and WebSphere updates and fixes in a clustered environment
- Overview of Config split
- Steps to configure Config split for a clustered environment
- How to implement a database configuration split

Enabling support for multiple LDAP servers and multiple realms

- Configuring multiple LDAP directories

Audience:

The target audience for this course is IBM customers, Independent Software Vendors, Systems Integrators, and IBM technical staff. Architects and developers responsible for implementing solutions using WebSphere Portal version 6 will benefit as well.

Prerequisites:

The prerequisites for this course include

- Administration skills using WebSphere Administration Server Version 6.0, acquired through experience and/or completion of *IBM WebSphere Application Server V6 Administration (SW246)*
- Knowledge of portals and WebSphere Portal, acquired by completing *IBM WebSphere Portal Version 6.0 Fundamentals (WP010)*
- (Recommended) Basic knowledge of portal security concepts, acquired by completing *IBM WebSphere Portal Version 6.0: Administration 1 (WP710)*

To learn more about our WebSphere Portal Training and Development services, visit www.websphereportalguru.com or contact us on **Tel: 1-630-785-2350** (Mon to Fri – 8am to 6pm)



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