

# IBM WebSphere Portal 6.1 System Administration 2 (WP721GB)



Course Duration: 2 days

## Audience

The target audience is IBM customers, independent software vendors, systems integrators, and IBM technical staff. Architects and developers, who are new to WebSphere Portal and responsible for implementing solutions using WebSphere Portal 6.1 will benefit as well.

## Pre-requisites

Before taking the course students should have:

- Intermediate administration skills using WebSphere Application Server version 6.0 or 6.1 acquired through experience and / or completion of IBM WebSphere Application Server Administration (SW246) or (WA361)
- Knowledge of portals and WebSphere Portal
- Basic knowledge of portal security concepts acquired by completing IBM WebSphere Portal Version 6.1 Administration 1 (WP711)

## Objective

After completing this course, students should be able to:

- Configure Web Content Management.
- Describe various portal topologies.
- Deploy portlets to a cluster.
- Deploy a portal from a staging environment to a cluster.
- Create virtual portals and realms.
- Implement content manager.
- Troubleshoot a clustered portal.
- Describe production procedures.

## **Configuring Web Content Management**

### Introduction to Web Content Management

- What Is Web Content Management?
- The Architectural Role in Portal 6.1

### Configuring Web Content Management

- Overview of Configuring Web Content Management
- Navigating Web Content Management
- Creating Libraries
- Creating Site Frameworks
- Creating Workflows
- Creating Authoring Templates
- Creating Presentation Templates
- Creating Template Maps
- Creating Content
- Displaying Content on a Portal Page

## **Exploring Portal Topologies Content Summary**

### Introduction to Portal Topologies and Benefits

- The Portal Environment
- Benefits of Using WebSphere Portal

### Components of a Scalable Portal

- High-Availability Environment
- Stand-Alone Portal Installations
- Federated Portal Installations
- Components of a Clustered Portal
- Scalable Topologies
- Eliminating Single Points of Failure
- Configuring a Portal for High Availability
- The Implications of the Portal Configuration Split

### Creating a Portal Cluster

- The Portal Cluster Creation Process

## **Deploying Portlets to a Cluster Content Summary**

### Deploying Portlets to a Cluster

- The Mechanics of Clustered Portlet Deployment
- Installing Portlets to a Cluster
- Updating Portlets in a Cluster

## **Moving from Staging to Production**

### Defining Portal Environments

- The Desktop Development Environment
- The Test Environment
- The Staging Environment
- The Production Environment

### Transitioning From One Environment to the Next Content Summary

- The Transition Process
- The XML Export Capabilities of Portal
- Using the Release Builder Tool

## **Creating Virtual Portals and Realms**

### Realms and Multiple LDAPs

- What Are Realms?
- Realm Requirements
- WebSphere Manager Member Configuration Files
- Creating a Realm

### Virtual Portals

- What Is a Virtual Portal?
- Comparing True and Virtual Portals
- Use Cases for Virtual Portals
- Planning Considerations for Virtual Portals
- Scoped and Non-Scoped Resources
- Creating a Virtual Portal
- Customizing the Provisioning Script for Virtual Portals

## **Troubleshooting a Clustered Portal**

### Troubleshooting Methodologies for Clustered Portals

- Problem Determination Methodology
- Log Files
- Isolating Problem Components
- Tracing Portal Problems
- The IBM Support Assistant
- Monitoring for Performance

## **Examining Production Procedures**

### Production Procedures

- Backing Up Portal Resources
- Using XMLAccess as a Production Tool
- Backing Up and Mirroring Configuration Databases
- Backing Up and Mirroring LDAPs
- Applying WebSphere and Portal Updates in a Production Environment
- Implementing a Configuration Split in a Clustered Environment