

Course name : IBM WebSphere Portal V6.1 System Administration 1 – Updated

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| Code: | WP711 |
| Skill level: | Intermediate |
| Delivery type: | Classroom (Hands-on labs) OR Instructor Led Online |
| Duration: | 3 days |
| Course Type: | Public or Private on-site |

Price: Call us now for pricing details at **1-630-355-6292**

Introduction:

This intermediate course is designed for system administrators, new to IBM WebSphere Portal, who need to install, configure, administer and deploy portlets to WebSphere Portal.

In this course, those who are new to IBM WebSphere Portal, explore the operational aspects of a WebSphere Portal 6.1 installation. Practice tasks such as installation, migration of data to a relational database, and utilization of a Lightweight Directory Access Protocol (LDAP) directory. This course focuses on the deployment and management of portal resources, such as portlets, pages, themes, and skins. Also, manage page hierarchies and configure resource permission on portal resources.

Audience

This is an intermediate course for Independent Software Vendors, Systems Integrators, and IBM technical staff, Architects and developers who are new to WebSphere Portal and are responsible for implementing solutions using WebSphere Portal 6.1. IBM WebSphere Portal version 5 architects and developers will benefit as well.

Prerequisites

Before taking this course, you 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 course (SW246) **or** (WA361)
- Basic knowledge of portals and WebSphere Portal, acquired by completing IBM WebSphere Portal Version 6.0 Fundamentals (WP010)

Skills taught

- Install WebSphere Portal
- Describe the portal architecture
- Migrate the default database to an enterprise database
- Enable authentication using an LDAP repository
- Navigate and manage the portal
- Implement portal security
- Administer portal using attribute based techniques
- Build and manage composite applications
- Federate a portal node into a cell
- Brand the portal

Course outline

Lesson 1: Installing a Basic Portal

Topic 1A: Introduction to Portal Administration

- Overview of Installation
- Options and Impact

Topic 1B: Planning a Portal Installation

- Create an Installation Plan

Topic 1C: The Portal Installation Wizard

- Install the Portal

Topic 1D: Defining a Portal and Its Benefits

- The Portal Framework
- Benefits of Implementing a Portal
- IBM WebSphere Portal
- Portal Terminology
- Reasons for Implementing a Portal

Topic 1E: Introduction to Portal Administration

- Common Administrative Tasks

Topic 1F: Troubleshooting Installation Problems

- Logs and Other Tools Used to Resolve Installation Issues

Lesson 2: Exploring the Portal and its Architecture

Topic 2A: Exploring WebSphere and Portal Architecture

- Defining the Relationships Between WebSphere and Portal
- The WebSphere_Portal Instance
- WebSphere Portal Offerings and Included Products
- High-Availability Support
- Portal Standards
- Default Port Assignments

Topic 2B: Examining the Out-of-the-Box WebSphere Portal Implementation

- Default Page Hierarchy
- Customizing Portal Pages
- Command Line Options

Lesson 3: Configuring a Portal for Production and Future Scalability

Topic 3A: Examining the Portal Configuration Database

- Portal Configuration
- Default Database Configuration
- Enterprise Database Alternatives
- Benefits of Splitting the Configuration Database

Topic 3B: Migrating and Splitting the Configuration Database

- Command Line Options for Migrating Data to Enterprise Databases
- The Configuration Wizards

Lesson 4: Enabling LDAP-Based Authentication

Topic 4A: Examining WebSphere and Portal Security

- The Portal Authentication Process
- Authentication Methods
- User Profiles
- User Repositories
- Security Enhancements

Topic 4B: Using an LDAP as the User Repository

- Default Portal Security and LDAP
- LDAP Security Configuration Files
- Securing the Portal with IBM Tivoli Directory Server

Lesson 5: Navigating and Managing the Portal

Topic 5A: Portal Page Management Techniques

- Creating and Managing Portal Pages
- Creating a Portal Page Hierarchy
- Managing Page Properties
- Managing Page Layout
- Managing Portlets on Pages
- Exporting and Importing Page Hierarchies

Topic 5B: Deploying Portlets

- The Portlet Deployment Unit
- Deploying a Portlet Application
- Managing Deployed Portlets

Lesson 6: Managing Portal Security

Topic 6A: Portal Security

- The Portal Resource Security Mechanism
- Privileges
- Propagation
- Inheritance
- Traversal
- Granting Appropriate Administrative Access to Developers

Topic 6B: Implementing Portal Security

- Implementing Security on Portal Pages
- Implementing Security on Portlets

Lesson 7: Administering Portal Using Attribute-Based Techniques

Topic 7A: Exploring Attribute-Based Administration

- Attribute-Based Administration
- Creating a Show/Hide Rule
- Portal Attributes
- Managing Rules

Topic 7B: Creating and Applying Theme Policies

- Exporting Policies
- Editing a Theme Policy
- Updating a Theme Policy

Lesson 8: Building and Managing Composite Applications

Topic 8A: Composite Applications

- What are Composite Applications?
- Designing a Composite Application
- Business Components
- Benefits of Deploying Composite Applications
- Templates and Applications
- The Point of Variability Concept

Topic 8B: Building and Deploying a Composite Application

- Building a Composite Application Template
- Deploying an Application Based on a Template
- Propagating a Template to Another Server

Lesson 9: Federating a Portal Node into a Cell

Topic 9A: Exploring WebSphere Cells

- Cell Terminology
- Managing the Underlying WebSphere Instances
- Clustering a Portal Node

Topic 9B: Creating a Cell

- Creating a Deployment Manager Profile
- Federating a Stand-Alone Portal Node into a Cell

Lesson 10: Branding the Portal

Topic 10A: Branding a Portal

- Brands
- Themes
- Skins

Topic 10B: Designing a Theme

- Design Considerations

Topic 10C: Customizing a Theme

- Portal Style Sheets
- Portal Property Files

Topic 10D: Deploying Custom Themes

- Deploying to a Stand-Alone Portal Server
- Deploying to a Cluster

To learn more about our WebSphere Portal Training and Development services, visit www.websphereportalguru.com or contact us on **Tel: 1-630-355-6292** (Mon to Fri – 8am to 6pm)



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