

Wizards Training

Web Logic Portal 10.2 Programming Curriculum

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm

Weekdays - Mon, Wed, Fri: 6.30pm – 9.30pm or Tue, Thu: 6.30pm – 9.30pm

Web Logic Portal

Web Logic Portal 10.2 Programming Courseware

1. Introduction to WebLogic Portal

- ✚ Overview
- ✚ What is a Portal Site?
- ✚ An Example of a WebLogic Portal Site
- ✚ Types of Business Problems Solved by a Portal Site
- ✚ Key Concepts
- ✚ Portlet
- ✚ Page
- ✚ Common Look and Feel Controls
- ✚ Single Sign-On
- ✚ Key Services Offered by the Portal Framework
- ✚ Access Control
- ✚ Content Management
- ✚ Search
- ✚ User Management
- ✚ Personalization
- ✚ Communities
- ✚ Remote Portlets
- ✚ E-Commerce Support
- ✚ Summary
- ✚ Review Questions
- ✚ Review Answers
- ✚ References

2. Components that make up a Portal Site

- Overview
- Key Components
- Desktop
- Shell
- Book and Page
- Menu
- Layout and Placeholder
- Portlet
- Component Hierarchy
- Sample Desktop
- Portal Application Structure
- Installing a Portal Application
- WebLogic Portal Administration Console
- Creating a New Page
- Adding a Portlet to a Page
- Creating a Book
- Adding a Page to a Book
- Creating a New Portal

Training Location: 1033 Sterling Road, Ste. 205, Herndon-VA-20170. USA.

Ph: 703-263-7278 Fax: 703-935-8849 training @wizardsedu.com

(Intersection of Sterling Road & Elden Street of Dulles on Elden Street)

Wizards Training

Web Logic Portal 10.2 Programming Curriculum

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm

Weekdays - Mon, Wed, Fri: 6.30pm – 9.30pm or Tue, Thu: 6.30pm – 9.30pm

- Creating a New Desktop
- Common Look and Feel
- Choosing a Look and Feel
- Choosing the Look and Feel
- Summary
- Review Questions
- Review Answers
- References

3. Portlet Details

- ❖ Overview
- ❖ Title Bar
- ❖ Portlet Modes
- ❖ Portlet States
- ❖ Portlet Preferences
- ❖ Portlet Preferences Example
- ❖ How Are Portlets Rendered on a Page?
- ❖ Portlet Development
- ❖ Workshop for WebLogic
- ❖ Portlet Types
- ❖ Build and Packaging
- ❖ Summary
- ❖ Review Questions
- ❖ Review Answers
- ❖ References

4. The Workshop for WebLogic Development Environment

- ✓ Overview
- ✓ Workshop for WebLogic
- ✓ The Eclipse Platform
- ✓ Eclipse 3.0 Java IDE
- ✓ Views, Perspective and Editor Areas
- ✓ Basic Operations with Eclipse Views and Perspectives
- ✓ The Java Perspective
- ✓ The Debug Perspective
- ✓ Navigator View
- ✓ Build and Validation
- ✓ Templates and Code Completion
- ✓ Searching
- ✓ Workshop for WebLogic
- ✓ Installing Workshop
- ✓ Server Run-time
- ✓ Workshop Server
- ✓ Creating Projects

Training Location: 1033 Sterling Road, Ste. 205, Herndon-VA-20170. USA.
Ph: 703-263-7278 Fax: 703-935-8849 training @wizardsedu.com
(Intersection of Sterling Road & Elden Street of Dulles on Elden Street)

Wizards Training

Web Logic Portal 10.2 Programming Curriculum

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm

Weekdays - Mon, Wed, Fri: 6.30pm – 9.30pm or Tue, Thu: 6.30pm – 9.30pm

- ✓ Portal Resources
- ✓ Creating A Portlet
- ✓ Portlet Types
- ✓ Portlet Components
- ✓ Deploying A Portlet
- ✓ Testing The Portlet
- ✓ Direct Portlet Access
- ✓ Summary
- ✓ References

5. Portlet Programming API

- Overview
- Portlet APIs
- JSP/HTML Portlets
- Creating JSP/HTML Portlets
- Browser (URL) Portlets
- JSR-168 Portlets
- Creating a JSR-168 Portlet
- Coding the JSR-168 Portlet
- Page Flow Portlets
- Creating a Page Flow Portlet
- Coding the Page Flow Portlet
- Struts Portlets
- Creating A Struts Portlet
- JSF Portlets
- Remote Portlets
- API Guidelines
- Summary
- References

6. Introduction to JSR 168 Based Portal Programming

- ❖ Topics
- ❖ What is JSR 168
- ❖ Relationship With J2EE
- ❖ Relationship With Servlets
- ❖ A Portal Site
- ❖ The Portlet
- ❖ Portlet Application
- ❖ The portlet.xml File
- ❖ Portlet Container
- ❖ Summary

7. Basic Portal Programming

- ✚ Design Pattern of Portlet Applications Model-View-Controller
- ✚ More on MVC
- ✚ The Portlet Interface
- ✚ The Hello World Portlet

Training Location: 1033 Sterling Road, Ste. 205, Herndon-VA-20170. USA.

Ph: 703-263-7278 Fax: 703-935-8849 training @wizardsedu.com

(Intersection of Sterling Road & Elden Street of Dulles on Elden Street)

Wizards Training

Web Logic Portal 10.2 Programming Curriculum

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm

Weekdays - Mon, Wed, Fri: 6.30pm – 9.30pm or Tue, Thu: 6.30pm – 9.30pm

- ✦ Portlet Lifecycle - Initialization
- ✦ Portlet Lifecycle Request Handling
- ✦ Two Phase Request Processing
- ✦ The render Method
- ✦ The PortletRequest Interface
- ✦ The PortletResponse Interface
- ✦ The RenderResponse Interface
- ✦ PortletURL
- ✦ Example
- ✦ The processAction Method
- ✦ The ActionRequest Interface
- ✦ The ActionResponse Interface
- ✦ Example
- ✦ More on Render Parameter
- ✦ The GenericPortlet Class
- ✦ User Session Management
- ✦ Example
- ✦ End of Portlet Life
- ✦ Portlet Configuration
- ✦ Portlet Initialization Parameter
- ✦ Portlet Context
- ✦ JSP For View
- ✦ State Management
- ✦ Better View State Management
- ✦ Portlet Preferences
- ✦ Example: Reading Preferences
- ✦ Updating Portlet Preferences
- ✦ Example: Updating Preference
- ✦ Validating Preference Update
- ✦ Example Validation

8. Display Generation

- Techniques in View Development
- JSP Custom Tags
- Available Portal Custom Tags
- JSR 168 Tags
- The defineObjects Tag
- More on defineObjects
- The actionURL Tag
- The param Tag
- The namespace Tag
- National Language Support
- Dynamic Translation
- Resource Bundle File
- Displaying Translated Text

Training Location: 1033 Sterling Road, Ste. 205, Herndon-VA-20170. USA.

Ph: 703-263-7278 Fax: 703-935-8849 training @wizardsedu.com

(Intersection of Sterling Road & Elden Street of Dulles on Elden Street)

Wizards Training

Web Logic Portal 10.2 Programming Curriculum

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm

Weekdays - Mon, Wed, Fri: 6.30pm – 9.30pm or Tue, Thu: 6.30pm – 9.30pm

- More on JSTL Internationalization Tags
- Example of Using Resource Bundles
- Portlet Resource Bundle
- Providing Locale Specific Preference Defaults

9. Page Flow Portlets

- ✓ Overview
- ✓ NetUI
- ✓ NetUI Page Flow
- ✓ Page Flow Execution
- ✓ Page Flows and MVC
- ✓ Advantages to Page Flows
- ✓ Portlets And Page Flows
- ✓ Portlet and Page Flow
- ✓ Creating A Page Flow Portlet
- ✓ Page Flow Portlet Properties
- ✓ Using A Page Flow Portlet
- ✓ Controls and Page Flow Portlet
- ✓ Using A Control
- ✓ Using Portal Controls
- ✓ Available Portal Controls
- ✓ NetUI Tags
- ✓ Using a Portal NetUI Tag
- ✓ Portal NetUI Tags
- ✓ Portal NetUI Sample
- ✓ NetUI vs. JSR 168
- ✓ Summary
- ✓ References

10. Web Services for Remote Portlets

- Overview
- Remote Portlets
- WSRP
- WSRP Benefits
- Information Artifacts
- Security Issues
- WSRP Producer: Steps
- WSRP Consumer: Steps
- Creating A Remote Portlet
- Create A Remote Portlet
- Creating A Remote Portlet
- Summary
- References

11. Using AJAX in a Portlet

- ✚ What is AJAX?

Training Location: 1033 Sterling Road, Ste. 205, Herndon-VA-20170. USA.

Ph: 703-263-7278 Fax: 703-935-8849 training @wizardsedu.com

(Intersection of Sterling Road & Elden Street of Dulles on Elden Street)

Wizards Training

Web Logic Portal 10.2 Programming Curriculum

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm

Weekdays - Mon, Wed, Fri: 6.30pm – 9.30pm or Tue, Thu: 6.30pm – 9.30pm

 A Simple Example

Training Location: 1033 Sterling Road, Ste. 205, Herndon-VA-20170. USA.
Ph: 703-263-7278 Fax: 703-935-8849 training @wizardsedu.com
(Intersection of Sterling Road & Elden Street of Dulles on Elden Street)

Wizards Training

Web Logic Portal 10.2 Programming Curriculum

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm

Weekdays - Mon, Wed, Fri: 6.30pm – 9.30pm or Tue, Thu: 6.30pm – 9.30pm

- ✦ The Old Way
- ✦ The AJAX Way
- ✦ Two Key Aspects of AJAX
- ✦ What are the Advantages of the AJAX Approach?
- ✦ AJAX Technologies
- ✦ The Basic AJAX API
- ✦ Creating the XMLHttpRequest Object
- ✦ The XMLHttpRequest Object Basics
- ✦ Complete Example
- ✦ The Timeline
- ✦ Using AJAX from a Portlet
- ✦ Handling AJAX Requests
- ✦ Making an AJAX Request
- ✦ Where to Go From Here?

12. Content Management System

- ❖ Overview
- ❖ What Does Content Management Do?
- ❖ Types of Content
- ❖ Virtual Content Repository
- ❖ Creating Content
- ❖ Securing Content
- ❖ Folders
- ❖ Creating Folders
- ❖ Content Workflow
- ❖ Delivering Content to the Portal
- ❖ Summary
- ❖ Review Questions
- ❖ Review Answers
- ❖ References

13. Personalization Using Interaction Management

- ✓ Overview
- ✓ What Is Personalization?
- ✓ Personalization Possibilities
- ✓ Personalization Benefits
- ✓ The Interaction Framework
- ✓ Interaction Components
- ✓ Putting It Together
- ✓ Content Repository
- ✓ Interaction Tools
- ✓ Interaction Tasks
- ✓ Property Sets
- ✓ Creating User Properties
- ✓ User Segment Properties
- ✓ Request/Session Properties

Training Location: 1033 Sterling Road, Ste. 205, Herndon-VA-20170. USA.

Ph: 703-263-7278 Fax: 703-935-8849 training @wizardsedu.com

(Intersection of Sterling Road & Elden Street of Dulles on Elden Street)

Wizards Training

Web Logic Portal 10.2 Programming Curriculum

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm

Weekdays - Mon, Wed, Fri: 6.30pm – 9.30pm or Tue, Thu: 6.30pm – 9.30pm

- ✓ Event Properties
- ✓ Creating A Content Selector
- ✓ Creating Content Selector File
- ✓ Use the Content Selector tag
- ✓ Creating A Placeholder
- ✓ Creating A Placeholder File
- ✓ Use the Placeholder
- ✓ Campaigns
- ✓ Building A Campaign
- ✓ Triggering A Campaign
- ✓ Event and Behavior Tracking
- ✓ Events
- ✓ Behavior Tracker
- ✓ Event Tracking Tasks
- ✓ Summary
- ✓ Review Questions
- ✓ Review Answers

Training Location: 1033 Sterling Road, Ste. 205, Herndon-VA-20170. USA.
Ph: 703-263-7278 Fax: 703-935-8849 training @wizardsedu.com
(Intersection of Sterling Road & Elden Street of Dulles on Elden Street)