

# Portal Class Overview

## Class 101: Portal Administration Basics

### Description

This 1-½ day program provides an understanding of the base set of Portal features and tools. The class will prepare the student with a solid foundation for using and administering the portal environment. Participants will have hands-on Portal experience with learning about users, roles, domains, security, content, and how to manage each.

**Audience:** The “Portal Basics” class is primarily geared towards:

- Administrators

- Users requiring a deeper understanding of the product than day-to-day users

- Developers and integrators

- Partners/Alliance members/3<sup>rd</sup> Party Product Integrators

**Prerequisites:** Clear understanding of the Microsoft/Unix/Linux file structure; familiarity with inter- and intranet technologies and proficiency in web-browser navigation. This class (or equivalent hands-on experience) is a prerequisite for Portal 102 and other advanced classes.

### Syllabus

#### Module 1—Overview

- Corporate overview
- Recognize the Portal
- Understand the product
- Identify Target Customers

#### Module 2—Architecture

- Understand the Architecture components
- Describe the importance of the basic Portal features

#### Module 3—Installation

- Identify Portal system requirements
- Learn how to install the Portal on a Windows NT and/or Unix server
- Understand how to create an SSL certificate

#### Module 4—Organization, Design & Implementation

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- Understand the relationship between users, roles, domains and actors
- Understand organization of information for security
- Plan the implementation/organization of a user account

## **Module 5—Administration Overview**

- Understand the importance of security and how security is maintained
- Understand role as an administrator
- Understand Portal terminology

## **Module 6—User Interface Overview**

- Understand the Portal Interface
- Understand the function and options contained on each menu
- Know how to navigate through the Portal via the User Interface
- Create and edit views, view-sets, and channels

## **Module 7—Content Integration**

- Understand content integration strategies
- Understand content integration architecture
- Understand content integration from web-based and non web-based applications

## **Module 8—User Account Management**

- Understand working with user accounts within the administrative tools
- Use the Administrative Interface
- Understand content directory

## **Module 9—LDAP**

- Synchronize Portal users, roles, and user-to-roles assignments with external LDAP information using Portal XML specifications
- Synchronize Portal users with an external resource's users via the Portal API.
- Synchronize Portal roles with the external resource's roles or equivalent construct via the Portal API.
- Programmatically assign roles to users and domains.
- Extract user information from the Portal via Portal API.

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## Course 102: Product Integration Module Basics

### Course Description

This ½-day course introduces the basic concept of the Product Integration Module (PIM) and illustrates how PIMs are implemented in the Portal. Different concepts associated with the PIMs, including Targets, Channel Classes, and Channel Instances are explained. In addition to the background information for understanding the implementation and deployment of PIMs, the participant will also learn the use of Portal interface tools for implementing and managing the PIMs. Illustrative examples and exercises are used by the instructor throughout the course.

**Audience:** The “Product Integration Module” course is primarily intended for:

Administrators

Developers and integrators

Partners, Alliance members, and Third-Party Product Integrators

**Prerequisites:** Clear understanding of the Microsoft/Unix/Linux file structure; familiarity with inter- and intranet technologies and proficiency in web-browser navigation. An overall understanding of enPortal or equivalent, as covered in the “Portal Basics” course, is also strongly recommended.

### Syllabus

#### **Module 1 - Product Integration Module (PIM) Overview**

Basic Concepts of PIM

Channel Classes and Channel Instances

Basic Concept of Target and Its Implementation

#### **Module 2 – PIM Installation & Configuration**

Obtaining the PIM Jar Files

Install and Configure the PIMs

Application Manager

Create Sample Channels

Authentication Credentials

Cross-Application Integration

## Course 201: Advanced Integration

### Description

This 1-day program provides a basic understanding of what integration means when using the Portal. As participant, you will learn Portal integration strategies and available tools. Participants will also have hands-on experience in implementing integration using Portal specific tools. To facilitate learning, illustrative examples and exercises will be used by the instructor throughout the course.

**Audience:** The “Advanced Integration” course is primarily designed for:

- Advanced software engineers

- Developers and integrators

**Prerequisites:** Clear understanding of TCP, HTML, DHTML, SSL, Java, Java Script, Java Server Pages (JSP), XML/XSLT, C/C++, Perl and SQL, JDBC. An overall understanding of the Portal or equivalent, as covered in the “Portal Basics” course, is also required.

### Syllabus

#### **Module 1—Advanced Integration Overview**

- Integration Points: Login, Look & Feel, Content
- Review of the technologies for Integration
- Understand the user interaction sequence

#### **Module 2—Custom Look and Feel (LAF)**

- JSP description
- Defining custom file locations
- Understand how LAF is loaded
- Understand how LAF is assigned

#### **Module 3—Custom Login Page**

- Understand system login pages and custom login pages
- Defining login parameters
- Understand how to assign custom login page

#### **Module 4—Custom Authenticator**

- Understand custom authenticator and custom authenticator class

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Understand how to implement session authenticator and simple session authenticator  
Understand how to compile custom authenticator  
Understand how to assign custom authenticator

## **Module 5—Custom JSP**

Understand JSP and how it is used in the Portal  
Defining JSP file locations and custom directories  
Understand how to create unsecured and secured channels  
Understand how a browser handles unsecured and secured contents  
Understand how to secure parameters

## Course 202: Integration Workshop

### Description

This 1-day program provides a basic understanding of:

- What Content Retrieval System (CRS) means and how it is used in the Portal

- The Integration Manager and how to use it

- How to integrate sample applications into the Portal

As a participant, you will learn the basics of CRS and portal integration by integrating real applications into the portal with the Integration Manager.

**Audience:** The “Integration Workshop” course is primarily designed for:

- Advanced software engineers

- Developers and integrators

**Prerequisites:** Clear understanding of TCP, HTML, DHTML, SSL, Java, Java Script, Java Server Pages (JSP), XML/XSLT, C/C++, Perl, SQL, and JDBC are recommended. An overall understanding of the Portal, as covered in the “Portal Basics” course, is also required.

### Syllabus

#### Module 1—CRS Basics

- Understand how CRS functions as a semi-transparent web proxy

- Understand the components of HTTP protocol: request and response

- Understand the three categories of CRS processes

- Understand the three components used by CRS for Single Sign-on

#### Module 2—Integration Manager Basics

- Understand how to integrate an application into the Portal with the Integration Manager

- Understand how to customize an integrated application

#### Module 3—Sample Integrations

- Integrate sample web-based applications into the Portal

- Develop custom CRS rules for adjusting application behavior in the Portal

- Create automated Single Sign-on for an integrated application