

BEA WebLogic Portal 8.1: System Administration



Course Number: WLP-A11-81

Overview

This course trains system administrators and data centre personnel on techniques for installing, configuring, deploying, monitoring, and tuning distributed, clustered portals deployed on BEA WebLogic Portal 8.1. This training prepares you to configure and tune clustering and other application parameters that relate directly to BEA WebLogic Portal 8.1 installations.

This First Edition course from BEA Education Services provides you with a head start on your BEA WebLogic Platform 8.1 initiative by training you to successfully develop and deploy enterprise applications using the 8.1 products. First Edition courseware content is cutting edge and supports the GA version of BEA software. First Edition courses offer you access to a dedicated team of experienced BEA instructors, as well as 8.1 best practices and resources, to enable effective planning and implementation of 8.1 technology decisions.

Audience

Analysts, designers, and system architects, team leaders and programmers who want a rapid but comprehensive introduction to the concepts, terminology, and techniques of object-oriented software design.

Skills You Will Learn

- Install, configure, monitor, manage and troubleshoot BEA WebLogic Portal 8.1 configurations
- Ensure quality of service (QoS) on large portal applications hosted on BEA WebLogic Portal 8.1
- Configure BEA WebLogic Portal 8.1 security access mechanisms
- Use the BEA WebLogic Server 8.1 Administration Console to control product-specific deployment details
- Configure and tune clustering and other application parameters that relate directly to BEA WebLogic Portal 8.1 installations
- Use content management integration tools
- Use the Portal Administration interface and tools to fine tune your enterprise applications
- Write custom scripts to automate repeatable and tedious administration tasks
- Create development, staging, QA and production environments
- Manage applications through their test, production, upgrade, and EOL life cycle
- Create test scenarios for monitoring and determining throughput characteristics

- Employ testing procedures and configurations for tracking problems and debugging within the production environment

Topics Covered

- BEA WebLogic Portal 8.1 installation and configuration, network and unattended “installs”
- JMX basics and tools
- Scripting JMX solutions
- Automatically generating events and deploying event generators
- Setup and access to distributed data sources using JDBC
- Fine tuning and decomposition of BEA WebLogic Portal 8.1 applications supporting role based access
- Configuration of the content management repository
- Managing and loading content
- Understanding of a BEA WebLogic Portal 8.1 application structure
- Configuration of BEA WebLogic Portal 8.1 applications for fault tolerant operation within clustered environments
- Securing BEA WebLogic Server 8.1 domains with SSL
- Securing BEA WebLogic Server 8.1 distributed applications using authentication and authorization
- Active and passive monitoring of the system using SNMP
- Delegated administration
- Defining and employing security entitlements to provide fine grained access control
- Configuration of BEA WebLogic Portal 8.1 application resources into desktop access URLs
- Managing applications through recurring role-outs and bug fixes

Prerequisites

REQUIRED

- Understanding of integration concepts
- Understanding of the formal stages of application life-cycle

RECOMMENDED

- TCP/IP Networking
- Knowledge of Client/Server concepts

Course Length

5 days

Course Format

Lecture with computer based labs