

# **Weblogic Server Admin Course Content**

## **Unit 1: JAVA Enterprise Edition (JEE) Architecture**

## **Unit 2: Installing Oracle WebLogic Server**

Installation Options

Graphical User Interface (GUI) Installation

Command Line Installation

WebLogic Server Directory Structure

## **Unit 3: Domain Configuraton**

Understanding WebLogic Domains

Administration Servers and Managed Servers

Creating and Configuring Domains

The Domain Directory Structure

## **Unit 4: Administration Tools**

Utilising the Administration Console

Using WLST to Navigate the Domain Structure

## **Unit 5: Managed Servers**

Configuring Managed Servers

Starting and Stopping Managed Servers or Domains

Configuring Managed Servers Remotely

Explaining Administration and Managed Server Independence (MSI)

## **Unit 6: Backup and Recovery**

Backup and Recovery Strategy

Full Offline Backup and Recovery

Online and Offline Domain Backup

Offline Domain Recovery

Instance Home Backup and Recovery

## **Unit 7: Deploying Web Applications**

Autodeployment

Manual Deployment

Deployment Using Administration Console

Deployment Using Command Line

WLST Web Application Deployment

Application Testing

## **Unit 8: JDBC and Data Sources**

Understanding JDBC and Data Sources

Configuring JDBC and Data Sources

Using Connection Pools

Deploying JDBC Resources

Monitoring and Testing

## **Unit 9: Utilising Node Managers**

Node Manager Architecture

Node Manager Directory Structure

Understanding Machines

Utilising Node Managers

Start and Stop Procedures

## **Unit 10: Log Management**

Log Monitoring

Administration Console Log Management

Integrating Application Logging

Log Filtering

Log Filter Expressions

## **Unit 11: Clustering Basics**

Clustering Benefits

Basic and Multitier Cluster Architecture

Communication Between Clustered Server Instances

## **Unit 12: Cluster Configuration**

Preparing for, Create and Configure a Cluster

Extending a Cluster

Controlling Clustered Servers

Deploying Applications to a Cluster

## **Unit 13: Security Architecture**

WebLogic Server Security Architecture

Security Realms

Users and Groups

## **Unit 14: Securing the Web Interface**

Keys and Digital Certificates with the Keytool

Configuring SSL for WebLogic Server

Steps to Prevent Web-based

## **Unit 15: JAVA Message Service (JMS) Setup**

Describe and Configure JMS

Connection Factories, Queues and Topics

Using Persistent Messages

JMS Monitoring