

Course Outline

Oracle WebLogic Server 12c: Administration I New

Duration: 5 days (30 hours)

Learning Objectives:

- Configure WebLogic Server's authentication provider
- Deploy applications to WebLogic Server
- Backup and restore a WebLogic Server domain
- Create a WebLogic Server domain
- Configure and monitor WebLogic Server
- Configure WebLogic Server database resources
- Create and configure a WebLogic Server cluster
- Install WebLogic Server 12c

Target Audience

- Java EE Developer
- Technical Administrator
- System Administrator

Prerequisites:

- Some system administration experience
- Some experience using basic Linux commands

Topics Covered:

- WebLogic Server Overview
 - Defining WebLogic Server Terms
 - Listing WebLogic Server Tools
 - Describing Basic WebLogic Server Architecture
- Installing and Patching WebLogic Server
 - Determining Supported Configurations
 - Installing WebLogic Server 12c
 - Applying a Patch to WebLogic Server
- Creating Domains
 - Describing a Domain Configuration
 - Creating a Domain with the Configuration Wizard
 - Configuring Domain Resources While Creating a Domain
 - Moving a Domain to Another Computer
- Starting Servers
 - Starting and Stopping Server with Standard Scripts
 - Dealing with Startup Problems
 - Customizing Standard Start Scripts
- The Administration Console
 - Accessing the Administration Console
 - Creating and Configuring Servers by using the Admin Console
- Configuring JDBC
 - Configuring JDBC Generic Data Sources
 - Configuring GridLink Data Sources
 - Performing Basic Data Source Connection Pool Tuning

- Monitoring a Domain
 - Configuring and Accessing Server Logs
 - Enabling Debugging Output
 - Monitoring Server Health and Performance
 - Monitoring JDBC Data Sources
 - Viewing Diagnostic Charts by using the Monitoring Dashboard
- Node Manager
 - Describing the WebLogic Server Node Manager Utility
 - Configuring WebLogic Server Machines
 - Setting Up and Configuring Node Manager
 - Starting WebLogic Server through Node Manager
- Deploying Applications
 - Deploying Applications to WebLogic Server
 - Testing Deployed Applications
 - Monitoring Deployed Applications
 - Stress Testing WebLogic Server
- Clusters
 - Planning for a WebLogic Server Cluster
 - Creating and Configuring a WebLogic Server Cluster
 - Creating and Configuring a WebLogic Server Dynamic Cluster
 - Configuring Oracle HTTP Server as a WebLogic Server Cluster Proxy
 - Debugging Cluster Errors
- Transactions
 - Describing the WebLogic Server Transaction Architecture
 - Configuring a Database as the Persistent Store for WebLogic Server Transactions
- WebLogic Server Security
 - Describing the WebLogic Server Security Architecture
 - Configuring an External LDAP Product as the WebLogic Server Authentication Provider
- Backing Up and Restoring a Domain
 - Backing Up a WebLogic Server Domain
 - Restoring a WebLogic Server Domain