



COURSE CONTENT

WebLogic Installation and Testing

- Configuration
- Installation Files
- Building a Domain
- Silent Installation and GUI Installer
- WebLogic Directory Structure
- Domain File Structure
- WebLogic Server types
- WebLogic Scripting Tool (WLST)
- Testing Your Installation
- Configuring Startup
- Running the WebLogic Console
- Shutting Down WebLogic

WebLogic Console Administration

- Console Overview
- Change Center
- Centralized Administration
- Monitoring WebLogic Servers
- Configuring a New Machine
- Configuring a New Server, Domain
- Building a Managed Server
- WebLogic Node Manager

Configuring JDBC

- JDBC Architecture JDBC Drivers
- JDBC Driver Install Datasources
- DataSource Connection Properties
- Configuring Connection Pools
- Monitoring Pool Performance

JNDI with WebLogic

- What is JNDI?
- JNDI Service Providers
- JNDI and WebLogic
- Using JNDI
- JNDI Client, Registration
- Monitoring JNDI
- Monitoring JNDI Using WLST

WebLogic Deployments

- Deployments Overview
- EJB JAR Files
- Deployment Descriptors, techniques
- WAR and EAR files and File structure
- Web Application Context
- Deployment Process Overview
- Expanded Directory Deployment
- Console Deployment
- WebLogic.Deployer
- WLST Deployment Startup and Shutdown Classes

WebLogic Security

- WebLogic Security Design and providers
- Authentication-Users, groups, roles
- Integration With Legacy Providers
- Handling User Lockouts
- Securing a Web Application
- Defining Your Own Realm
- Configuring Providers



- **Tuning Pool Performance**
- **JDBC Multi DataSources**

Configuring JMS

- **Asynchronous Messaging**
- **Messages, Queue, Topic**
- **WebLogic JMS**
- **JMS Servers, Modules**
- **Durable Subscribers**
- **JMS File Stores, JDBC Stores**
- **Monitoring JMS Servers**
- **Connecting External JMS Providers**

WebLogic HTTP Container

- **Configuring HTTP**
- **Web-server Proxy**
- **WebLogic Plug-in**
- **IIS, Apache and WebLogic**
- **Virtual Hosts**

WebLogic Performance Tuning (Additional Sessions*)

- **Performance Objectives**
- **CPU Utilization**
- **Memory Utilization**
- **Monitoring the JVM**
- **Switching the JVM**
- **WebLogic Thread Pools**
- **Configuring Reader Threads**

- **SSL Custom Certificates**
- **Application Installation**

Configuring WebLogic Clusters

- **Clustering Servers, Layouts**
- **Web Application Tiers**
- **Recommended Multi-Tier Cluster**
- **Cluster Design, communication, servers**
- **Configuring and implement the Cluster**
- **Load Balancing**
- **Multicast Communication**
- **Administration Server Failure**

Node Manager

- **What is Node Manager?**
- **Node Manager Details**
- **Accessing Node Manager**
- **Configuring Node Manager**
- **Node Manager Startup**
- **Node Manager Domain Management**
- **Node Manager Services**
- **Node Manager Health Monitoring**
- **Node Manager Logging**