



Web logic Server 11g Admin Course Content:35-40hours

Course Outline

Introduction to WebLogic Server

- What is an application server
- JEE
- Major subsystems
- Product installation

WebLogic Domains

- Domain overview
- Configuration Wizard
- HotSpot and JRockit
- Starting a managed server
- Starting an admin server

The Admin Console

- Console tour
- Create servers with the console
- Monitor a domain
- Stop servers

Java Management Extensions (JMX)

- JMX overview
- MBean types
- MBean Servers
- MBean References

WebLogic Scripting Tool (WLST)

- Introduction to WLST
- Modes



- Configuration MBeans
- Runtime MBeans

Scripts

- Script Generation
- Script Recording
- Script Recording
- wlconfig ANT Task

Java Naming and Directory Interface (JNDI)

- Introduction to JNDI
- JNDI for Administrators
- Container-based JNDI service
- Startup and Shutdown classes

Java Database Connectivity (JDBC)

- JDBC overview
- Driver types
- Datasources
- Advanced configuration
- Monitoring JDBC

Deployment

- Archive Types
- Deployment Tools
- Sanity Checking
- Side-by-side deployment
- Class Loading
- Deployment Plans

WebLogic Web Container

- HTTP Access logs
- Virtual hosts
- Web server configuration
- Tuning the Web Container

Java Message Service (JMS)

- Introduction to messaging
- Configuring JMS Resources

- JMS Tuning
- Foreign JMS Providers
- Message Bridges

WebLogic Security

- WebLogic security overview
- Alternate security providers
- JEE declarative security
- Security roles and policies
- SSL configuration

Server Availability

- Admin failover
- Managed server independence
- Machines
- Node manager

Clustering

- Cluster configuration
- Replication
- Cross-cluster replication
- JDBC Clustering

Advanced Services

- JDBC Multipools
- Transaction Services
- JMS Transactions
- Distributed Destinations

Monitoring and Logs

- SNMP
- Server logs
- Domain log
- Log filters

WebLogic Logging and Diagnostic Framework (WLDF)

- Core Services
- Instrumentation
- Diagnostic images

- Dye Marking
- WLDF Console Extension

Performance Tuning

- The JVM
- Memory
- Garbage collection
- Tools
- Work managers

OAS(OC4J) to WebLogic

- Oracle Application Development Framework (ADF)
- Business Components for Java (BC4J)
- XML Application descriptors
- OC4J Clusters
- Session Replication