

WEBLOGIC ADMIN

DETAILED

COURSE CONTENT



Version: 11g, 12c | Duration: 25-30 Hours

1. Overview of Application Server

- ▶ Understanding 2 tier architecture
- ▶ Understanding 3 tier architecture
- ▶ Weblogic architecture

2. Weblogic Installation

- ▶ System Requirements
- ▶ Installation Modes
- ▶ Installation on Unix
- ▶ Installation on Windows

3. Understand Weblogic Domain

- ▶ Creation and configura of weblogic domain
- ▶ Directory Structure in domains
- ▶ Creation of Admin Server
- ▶ Creation of Managed Server

4. Node Manager

- ▶ How to create and configure Machines
- ▶ Configure Nodemanager
- ▶ Enroll Node manager with domains
- ▶ Start and Stop Nodemanager

5. Cluster

- ▶ What is a cluster and why it is used
- ▶ Create and Configure cluster
- ▶ Different modes of cluster communication
- ▶ Different load balancing algorithms

6. Deployment

- ▶ Deploying application using console mode
- ▶ Deploying application using wlst
- ▶ Deploying application using java utility
- ▶ Error codes
- ▶ Common errors encountered in deployment

7. JDBC

- ▶ JDBC Architecture
- ▶ Creation of DataSource and Connections pools
- ▶ Configuring JNDI
- ▶ Connecting to database and testing
- ▶ Tuning

8. JMS

- ▶ Understand JMS Architecture
- ▶ Create Queues, Topic, Connection Factories
- ▶ Send messages to queues and topics
- ▶ Best Practices

9. Security

- ▶ User Creation in Weblogic
- ▶ Assigning roles to users
- ▶ Creating/configuring Authentication providers
- ▶ Authenticating Users with remote authentication providers
- ▶ SSL configuration

10. JVM Performance Tuning

- ▶ Understand heap size –Xms and –Xmx
- ▶ Understand PermGenSpace
- ▶ Understand GC Algorithm
- ▶ Understand Garbage Collector
- ▶ How to take Heap dump
- ▶ How to analyze heap dump
- ▶ How to take thread Dump
- ▶ How to analyze thread dump

11. Webserver to Weblogic Integration

- ▶ What is a webserver
- ▶ Webserver plugin
- ▶ Configuring Webserver to connect with weblogic
- ▶ Test the configuration

THANKS!

For more details, you can contact us



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