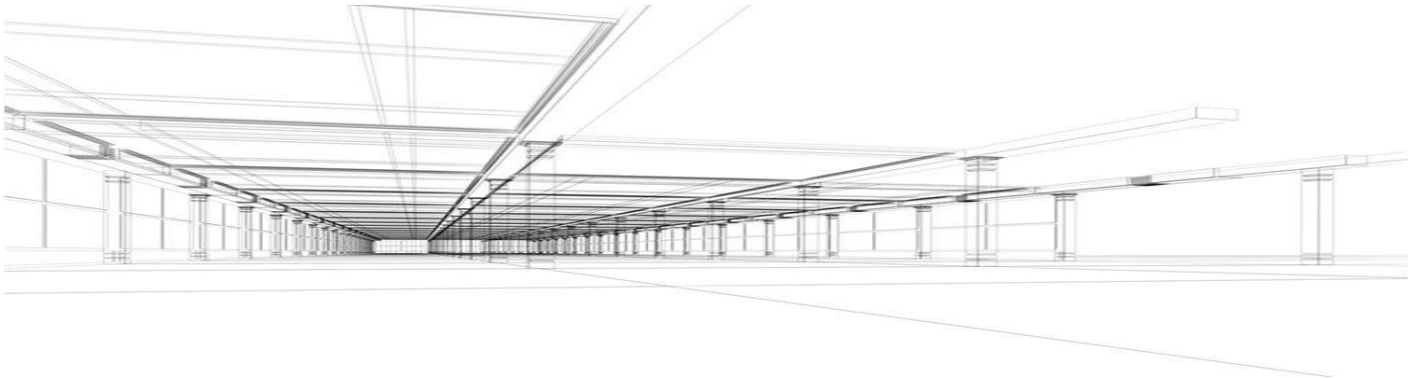


Oracle Weblogic Server 11g: Architecture, Features and Operation



This course is based on 10 years hands-on experience of the instructor in architecture, development and operation of Weblogic server and Oracle/BEA middleware. The most important product features are explained and critically analyzed regarding their usefulness for the operation of large scale environments.

The class starts with Weblogic 11g basics and the new features of the product and further explains the installation and how domains with servers are created, started, monitored and automatically restarted. The course highlights the effective usage of JMX-based scripts and tools to create resources, to check runtime parameters of the server and to monitor maximum execution times of web services, which are part of a service oriented architecture (SOA). Configuration of the key parameters are covered for the administration of JDBC (including distributed transactions and Oracle RAC) and JMS (including JMS bridges and store-and-forward agents). This course further trains the attendees how to use access control and encryption for the protection of both server and applications.

Features like production redeployment deployment or deployment plans for a particular target environment are discussed and reinforced with hands-on lab sessions. After an introduction to the Weblogic Diagnostic Framework, a distributed cluster will be installed which is then used to demonstrate load balancing and failover for applications as well as distributed JMS destinations and multi data sources.

Half of this course is structured around presentations and discussions. The second half consists of hands-on exercises. All participants receive printed copies of the presentations and the lab guide, as well as a CD with all lab applications and an online version of course material.

Goals

Participants will gain an in-depth understanding of Weblogic 11g architecture and operation. Having attended this course, participants will be able to design and set up Weblogic domains and to configure all core features of Weblogic 11g. Participants will be able to deploy and monitor applications, and install and troubleshoot a clustered environment.

Participants

The target audience of this course are system integrators, architects, administrators, as well as developers who are interested in obtaining in-depth knowledge beyond the JEE standards. Exclusively for Oracle end users.

Course Duration

Five days

Level

Beginner to Intermediate

Content

- Weblogic Server 11g Basics
- Operation
- JMX / Oracle and non-Oracle tools
- Deployment
- JDBC / Distributed Transactions / Oracle RAC
- JMS / Bridges / Store And Forward / Foreign JMS provider
- Security
- Weblogic Diagnostic Framework
- Clustering

Language

English or German (course material in English)