ORACLE'S ACQUIRED WEBLOGIC/AQUALOGIC TECHNOLOGY IMPLEMENTATION BOOT CAMP

KEY FEATURES

WEBLOGIC SERVER

- High performance clustering and failover capabilities
- Low-overhead Java application monitoring and diagnostics
- Flexible download and installation options
- FastSwap iterative development

ORACLE SERVICE BUS

- Multi-protocol ESB
- Configuration-driven integration
- Content and identity-based routing
- Policy-driven security
- Distributed ESB domains
- Superior QoS (RASP)

ORACLE ENTERPRISE REPOSITORY

- Enterprise Visibility
- End-to-End Traceability
- Comprehensive, Extensible Metadata
- Integration with Development Environments
- UDDI v3 Compliance

ORACLE ENTITLEMENTS SERVER

- Rules defined for application access control, role mapping, and delegation
- Policies defined based on user, group, or resource attributes
- Entitlements defined for applications or resources
- Support for Simple Object Access Protocol, XACML policy export, and XACML request/response protocol

Oracle's acquired WebLogic/AquaLogic Technology has become the strategic component of Oracle's fusion middleware offerings and reinforces the direction to be complete and integrated, modular, open and hot pluggable and thus reduce the total cost of ownership.

The technologies covered in the WebLogic/AquaLogic Technology Implementation Boot Camp span across various pillars in Oracle's fusion middleware technology offerings. It starts with SOA governance to control the implementation aspect of any project to ad hoc composite application building using BPM tool with mediation layer of ESB and securing the application by authorizing usage via entitlement rules and finally touching the operations aspect of managing runtime environment.

What will we cover

Oracle's acquired WebLogic/AquaLogic Technology Implementation Boot Camp is a three-day hands-on workshop, designed for Oracle Partners who are new to BEA acquired products with the purpose of:

- Providing hands-on experience on the implementation of WebLogic/AquaLogic Technology based composite application with newly acquired BEA technology
- Providing the strategic direction of Oracle's fusion middleware and its role in composite application development
- Exposing various newly acquired toolset available in Oracle OFM/SOA stack like Oracle WebLogic Server, Oracle Service Bus (ALSB), Oracle BPM (ALBPM), Oracle Enterprise Repository (ALER), and Oracle Entitlement Server (ALES).
  NOTE: After the BEA acquisition, these Oracle products have been put on 100-day release plan and we will align our content accordingly.

This boot camp will focus on BEA technology offered by Oracle and will be a combination of lecture, hands-on exercises, a case study and demos.

Who should attend

The WebLogic/AquaLogic Technology Implementation Boot Camp is designed for

architects, technical consultants, team/project leaders and functional consultants of our system integrator partners who want to ramp-up on our newly acquired BEA technology.

Prerequisite training

Participation at this boot camp requires completion of one of the prerequisites listed below:

1. Have basic understanding of SOA, J2EE concepts, Application Servers, and related technologies such as Web Services, SOAP, XML, Databases and at least one year experience developing on these technologies.

--OR--

2. Have reviewed the prerequisite courses and successfully passed the prerequisite assessment test that is mapped into the WebLogic/AquaLogic Technology Implementation Boot Camp guided learning path.

These give Oracle the ability to validate a partner's product knowledge, whether via project experience or education, through the use of the test.

Agenda and Case Study

This three-day boot camp will walk you through the following products: WLS Oracle's strategic Application server), Oracle's Service Bus (ALSB), Oracle's BPM (ALBPM), Oracle's Enterprise Repository (ALER) & Oracle's Entitlement Server (ALES).

Throughout this training, you will benefit from demonstrations, hands-on exercise, and case study to reinforce and apply the concepts learnt.

Agenda

Day 1 - SOA Overview & WLS
Introductions and Training Overview
Reference Architecture – With Case Study
Service Landscape
WLS Overview
WebLogic Diagnostic Framework
Lab on WLDF - harvest and analyze
WLST script utility
Lab on WLST record and run script
Guardian Overview
Lab on Guardian
Concept of Side by Side deployment
Lab Side by Side deployment
Day 2 - ALER & ALBPM & ALBPM
ALER Overview
Lab about prescribing template assets for boot camp
Lab about searching exiting assets for reuse
Lab on SCA and linked assets/impact analysis
ALSB Overview
Lab : Pass-Through Services & Transport

Agenda (continued)

Lab : Lab Split-Join & POJO call out
Lab : Lab XQuery transformation
ALBPM Overview:
Lab : Setting up an Org Structure
Lab : Extending a template process with activates
Lab : call out a service on ALSB
Day 3 - ALBPM & ALES
Lab : Business Rules & simulation
Lab : Deploy and test Order Approval Process worklist
ALES Overview
ALES LAB

Environment – Attendee Software Install Requirements

This Boot camp requires attendees to provide their own laptops for this class. Attendee laptops must meet the following minimum hardware/software requirements:

Hardware

- RAM: 2GB RM minimum (1 GB RAM is not enough)
- HDD: 30 GB free HDD space
- DVD Reader and USB port

Software (Students to install prior to class)

- The recommended operating system is Windows XP
- The following software should be downloaded and installed to your PC prior to the class:
    - A VMware supported player such as:
        - VMWare Player 1.0.0 build 18587 (or higher) for your OS platform (free download)
        - VMware Workstation 5.0 (or higher) for your OS platform (licensed download)
        - VMware Server 1.0.4 (or higher) for your OS platform (free download)
    - VMware image will be provided at the class
    - Adobe Acrobat Reader v5.0 (or higher)
    - WinRAR or other file decompression tool supporting .RAR files. Shareware versions available at http://www.rarlab.com/download.htm.

Note: Students are to ensure the above software is installed on their laptops prior to attending class.

Case Study

Fictitious, ABC bank, has been mandated by the FDIC to provide online balance transfers for its customers to better allow movement of money between accounts and other banking and lending institutions. This new feature will enable ABC's

KEY BENEFITS

WEBLOGIC SERVER

- Rock-solid availability and uptime for applications and services
- Improved ability to preempt issues due to better monitoring and management of production applications
- Ability to obtain and install only what's needed
- Faster more productive develop-deploy-debug cycle

ORACLE SERVICE BUS

- Faster integration
- Quicker time to market
- Better alignment between business and IT
- Improved developer productivity
- Reduced integration complexity and cost

ORACLE ENTERPRISE REPOSITORY

- Gain comprehensive, enterprisewide visibility into SOA assets, which minimizes redundancy, optimizes service reuse, and improves ROI
- Drive SOA adoption and growth within the organization using robust analytics to track and illustrate the progress and value of SOA initiatives

ORACLE ENTITLMENT SERVER

- Agility to respond to changing business needs
- Consistent security policy and management
- Transparency through entitlements reporting
- Traceability with integrated runtime access logs for easy auditing

customers to move credit and loan balances between accounts to take advantage of better interest rates or to leverage long term debt instruments. It also allows customers to move funds from ABC Bank accounts to other financial institution accounts.

NOTE: This is a very high-level use case. This use case will be broken down into business/functional requirements and tie various technology components via labs as a solution.

Contact Us

For more information about scheduled Oracle's acquired WebLogic/AquaLogic Technology Implementation Boot Camps, the OPN Boot Camp program, or to request a new boot camp topic, visit:

http://competencycenter.oracle.com

Oracle is committed to developing practices and products that help protect the environment