

ORACLE SERVICE ORIENTED ARCHITECTURE SUITE 11g IMPLEMENTATION BOOT CAMP

KEY FEATURES

ORACLE BPEL PROCESS MANAGER

- Process designer, process manager console, and process server
- Integration services Human workflow

ORACLE BUSINESS ACTIVITY MONITORING

- Web browser dashboard Business user authoring
- Embedded actions Real-time analytics

ORACLE BUSINESS RULES

- Business user authoring Small footprint engine Seamless integration
- Rules SDK

ORACLE SERVICE BUS

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

ORACLE JDEVELOPER

- Develop Web services
- Standards support for Web services

CONNECTIVITY

- 300+ application adapters
- Legacy and technology adapters
- WSIF bindings
- B2B protocols
- RFID and other sensors

Oracle Service-Oriented Architecture (SOA) Suite 11g is a comprehensive, hot-pluggable, standard-compliant, services platform that enables next-generation business applications by simplifying services access, integration, orchestration, monitoring and management.

Oracle SOA Suite 11g Implementation Boot Camp was designed to provide the strategic direction of Oracle's Fusion Middleware and its role in composite application development. It exposes various components of Oracle SOA Suite 11g like Service Infrastructure Platform, Event Delivery Network, Adapter Services, Business Events, Mediator Components, BPEL Components, Business Rule Components, Human Workflow, Web Services Manager, and Metadata Store.

What will we cover

Oracle SOA Suite 11g Implementation Boot Camp is a three-day hands-on workshop, designed for System Integrator Partners with the purpose of:

- Delivering hands-on experience on the implementation of a SOA Suite 11g composite application based on SCA Assembly Model;
- Providing the strategic direction of Oracle's Fusion Middleware and its role in composite application development;
- Exposing various components of Oracle SOA Suite 11g like Service Infrastructure Platform, Event Delivery Network, Adapter Services, Business Events, Mediator Components, BPEL Components, Business Rule Components, Human Workflow, Web Services Manager and Metadata Store.

This boot camp is primarily focused on Oracle SOA Suite 11g and its components. Participants will learn how to design, develop, deploy, and test SOA Composite applications, which cover the Mediator, BPEL, Business Rules, and Human Tasks (Workflow) components.

Who should attend

This 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 SOA Suite 11g 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 previous release or similar technologies.

--OR--

2. Have reviewed the courses mapped into the Oracle Service-Oriented Architecture 11g Certified Implementation Specialist guided learning path.

--AND--

3. Attended the SOA Suite 11g Partner Launch webcast.

Agenda and Case Study

This three-day boot camp will walk through the following SOA Suite 11g Components: Mediator, BPEL, Business Rules, Human Tasks, Web Service Security Manager, Enterprise Manager Console, and Oracle SOA Infrastructure. Throughout this training, one will benefit from hands-on exercise, based on case-study to reinforce and apply the concepts learnt.

Agenda

Day 1 - SOA/SCA Components Overview
Introductions and Training Overview
Lab Environment Setup and Software Distribution
SOA Overview
PO Processing Case Study overview
EM Overview
Mediator, Adapters overview
Mediator, Adapters lab
Day 2 - BPEL, Human Workflow, OWSM overview
BPEL, Human Workflow overview
BPEL & Human Workflow Lab
Rules overview
Rules lab
OWSM Overview
OWSM lab

Agenda (continued)

Day 3 – Exception Handling/OSB and others
Exception Handling overview
Exception/Fault Handling lab
OSB Overview
OSB Lab overview
OER/OSR Overview
EDN Overview
EDN Lab

Case Study: Purchase Order Processing

This purchase order processing application will implement following:

- Purchase Order processing and approval
- Details of PO are received from multiple sources
- Credit Card details for each customer are validated
- Small orders with valid credit card status are automatically approved
- Large orders with valid credit card status go thru manual approval process
- Approved order details having a status approved are written into a text file.

Similarly unapproved are “rejected/Invalid” are also written into a file.

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.

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

- CPU: Pentium 4 @ 1Ghz or greater
- OS: Windows 2000 (with latest service pack) or Windows XP (with Service Pack 1a or greater)
- RAM: 4 GB minimum
- HDD: 30GB of available disk space required prior to install of software
- Internet enabled
- Swap Space: 1535 MB minimum
- Monitor: Configured to display at least 256 colors

Software (Students to install prior to class)

- Internet Explorer version 7.0 or later with latest service pack

KEY BENEFITS

BENEFITS:

- Oracle SOA Suite delivers the SOA promise of visibility, flexibility, and speed. Best of breed tools provide industry-leading functionality in each component. The tightly integrated comprehensive suite lowers the total cost of ownership.
- The hot-pluggable architecture of Oracle SOA Suite allows seamless integration of the suite or its components into any existing IT environment. Since the best-of-breed components of Oracle SOA Suite may be adopted incrementally, they can be used to solve identified business problems and expanded to enterprise deployments.

RELATED PRODUCTS

- Oracle Event-Driven Architecture Suite
- Oracle's SOA governance solution
- Oracle Data Integration Suite
- Oracle Business Process Management Suite
- Oracle Portal
- Oracle Identity Management

- VM player version 2.5.2 or later

Infrastructure

- Laptop projector for slide presentation
- Networking Hubs and Cables
- Power sockets/gangs
- Access to apps or existing services: either via intranet or extranet

Lab setup

- Oracle Enterprise Linux OS based Virtual Machine Environments with pre-loaded software needed for class with some exceptions where we may have to ask class to install software

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

Contact Us

For more information about scheduled Oracle SOA Suite 11g Implementation Boot Camps, the Enablement 2.0 Boot Camp program, or to request a new boot camp topic, visit:

<http://competencycenter.oracle.com>.



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