

Oracle Enterprise Service Bus (ESB)

Course Overview

This course covers the concepts of Oracle Service Oriented Architecture; integration of data and enterprise applications within the organization and trading partners. This course also covers configure and test ESB and adapter services.

Intended Audience for this course

This course is designed for those who have technical background, knowledge with any computer language, Java, J2EE, XML, .NET Developers, Apps Developers, IT management and staff, Business Analysts, Technical Consultants, Students and also those who want to become Oracle Applications Consultants.

Course Topics.

SOA Course Content:

- ❖ Course Objectives and Course Environment
- ❖ SOA Architecture and Standards
- ❖ Oracle ESB Architecture
- ❖ Overview of XML, XSD, XPath, XSLT Overview
- ❖ Introduction to SOAP, WSDL, UDDI
- ❖ Services with BPEL
- ❖ Business Rules and Decision Services
- ❖ Oracle Web Services Manager
- ❖ Life Cycle SOA Applications

ENTERPRISE SERVICE BUS (ESB) OVERVIEW

- ❖ Enterprise Service Bus Architecture Overview
- ❖ Benefits of ESB
- ❖ Developing the Enterprise Service Bus
- ❖ Routing Services and Rules

- ❖ XSLT Data Mapper and Transformations
- ❖ Creating an ESB Project in JDeveloper
- ❖ Managing Transactions with ESB Adapters

DEVELOPING THE ENTERPRISE SERVICE BUS

- ❖ Introduction to JDeveloper
- ❖ Applications and ESB Projects
- ❖ Understanding ESB Services and Service groups
- ❖ Registering ESB projects and services
- ❖ Testing ESB projects

INBOUND AND OUTBOUND SERVICES

- ❖ Adapter Framework
- ❖ Supported and Bundled Adapters
- ❖ Oracle Application Adapter Service
- ❖ File and FTP Adapter
- ❖ Advanced Queuing
- ❖ Database and JMS adapters

ROUTING SERVICES AND ROUTING RULES

- ❖ Electronic Data Interchange (EDI) Overview
- ❖ Setting Up
- ❖ Document Methods, Types and Standards
- ❖ X12, EDIFACT, AS2 Overview
- ❖ File Types and FTP
- ❖ Envelope and Documents
- ❖ Managing Business Protocols
- ❖ Creating Trading Partners
- ❖ Managing Trading Partners
- ❖ Creating and Managing Trading Partner Agreements
- ❖ Creating and Deploying a Configuration

ADMINISTRATION AND SECURITY

- ❖ Administration Utilities Overview
- ❖ Security requirements
- ❖ Administering Oracle Application Server Integration B2B
- ❖ Oracle Application Server Integration B2B Security
- ❖ Reporting

EXCEPTION HANDLING

- ❖ Inbound Exception Handling
- ❖ Outbound Exception Handling