

IBM WebSphere[®] ESB

Hands-on Training Engagement

Duration: 3 - 5 Days

1

Topics ranging from ESB Solutions from IBM, Choose from 50 different topics, World class training material, Flexibility of Location, A Great Value for your money

Top Reasons for Attending our Training Engagement

Overview

IBM WebSphere ESB provides standards based connectivity and integration solutions while also paving way for enterprises to adopt SOA. There are multiple ESB solutions from IBM and have overlapping functionalities.

Our course introduces all the available ESB's from IBM and provides a brief comparison of WebSphere Enterprise Services Bus, WebSphere Message Broker and WebSphere DataPower Appliance.

With this carefully created training course we try to take the student close to the real world problems and patterns. During the course we will be covering topics such as WESB Architecture, Typical development flows, Mediations, SMOs, Service creation and invocations, Primitives, Mediation samples with business scenarios, using WBI adapters with WESB and administration

Structure

Our innovative and flexible learning approach consists of instructor-led learning methods, supplemented with hands-on exercises, mentoring and access to our online library of knowledge (OASIS) including our training material. You have the choice to customize your training plan by choosing from 50 different topics or use our full training engagement.

Location

We offer flexibility of location. Training can be provided at our SOA Education Centre, or at your company site

Budget

We offer a great value for your money. If the training takes place at your own premises, you will eliminate travel costs and avoid time away from the office (Any installation work is done at your company site will be charged at **\$150/Hr**). Our training engagement is priced at **\$6000.00** + Expenses (Unlimited attendee's if training engagement is hosted at your company site)

Our Premium Services

We deliver premium services to help customers by improving the performance, security and management of business processes built of reusable, open-standards based software components, which operate independently from the applications and computing platforms on which they run.

We help customers to improve security and speed the processing of computer transactions through our vast experience.

Course Objectives

After completing this course you should be able to

- Identify and recommend appropriate ESB solution for their requirements from IBM's WESB/Advanced ESB/DataPower
- High level understanding of the WebSphere suite of Integration products
- Design and develop WESB based solutions
- Develop mediation solution using all the mediation primitives including transformation, routing, error handling and tracing primitives
- Use dynamic endpoint for routing of messages
- Use JMS, Web services bindings for access to WESB
- Use Web services gateway to manage access to and from the WESB
- Use WMQ binding to access legacy/native MQ applications or Advanced ESB
- Use JCA/WBI adapters.
- Use MQ JMS binding to access JMS application over MQ

Audience

This Course is intended for Integration developers, System Administrators, Business process developers and technical sales

2

Pre-Requisites and Course Outline

Flexibility to have a customized training with choice of more than 50 topics

Pre-requisites

Pre-requisites for this course are development skills with Java, J2EE, or exposure to working with WebSphere Integration Developer or WebSphere Studio Application Developer.

Course Outline

Introduction to IBM WebSphere Enterprise Service Bus

- Introduction to ESB
- Introduction to WebSphere Family
- Overview of WESB
- Comparison of WESB, Advanced ESB and DataPower
- Connectivity with other ESB's
- Summary

SOA

- Service
- SCA overview
- SCA Components

WebSphere ESB architecture

- Mediations, Service Consumers, Service Providers
- Mediation modules
- Mediation flows and flow components
- Mediation primitives
- Security

Service Message Objects

Typical Development Flow

Creating a Mediation

- Mediation flow editor

Course Duration/Schedule

A full-length engagement spans over **5 business days (1 Week)**. Course outline and duration can also be customized based on your time and need..

Service Connection and Invocation

Transformation Primitives

- XSL Transformation Primitive
- BO Map Primitive
- DB lookup Primitive
- Message Element setter Primitive
- Set Message type Primitive

Routing Primitives

- Message filter Primitive
- Endpoint Lookup Primitive
- Fan Out Fan In Primitive
- Service Invoke Primitive

Tracing Primitives

- Message Logger Primitive
- Event Emitter Primitive

Error Handling Primitives

- Stop Primitive
- Fail Primitive

Custom Mediation Primitive

Deployment and Administration

WESB Administration

- Installation
- Creating and Managing profiles
- Managing Runtime environment
- Managing Applications