Oracle Service Bus 11g: Design & Integrate Services

Duration: 3 Days

What you will learn

In this course, students are provided an in-depth analysis of Oracle Service Bus and how it can be used to create a message infrastructure for services throughout the enterprise.
Learn to:

Enrich, route and validate messages within the Service Bus

Understand Message Level Security and securing Oracle Service Bus

Use some of the basic transports available in Oracle Service Bus 11g

Be familiar with Oracle Service Bus Architecture

A Live Virtual Class (LVC) is exclusively for registered students; unregistered individuals may not view an LVC at any time. Registered students must view the class from the country listed in the registration form. Unauthorized recording, copying, or transmission of LVC content may not be made.

Related Training

Suggested Prerequisites
Basic knowledge of Web Services

Knowledge XQuery and XPath

SOA Adoption and Architecture Fundamentals

SOA Adoption and Architecture Fundamentals Ed 1

XML Fundamentals Ed 1.1

XML programming experience

Course Objectives

Describe the Oracle Service Bus Architecture and functional layers

Create Oracle Service Bus Resources

Understand different ways of routing messages

Understand the different transports supported in Oracle Service Bus

Describe the sequence involved in Message Level Security and securing OSB with OWSM

Course Topics

Introduction to Oracle Service Bus
Introducing the Service Oriented Architecture
Describing the Oracle Service Bus Architecture
Introducing the Role of Oracle Service Bus

Message Flow
Introducing the Oracle Service Bus Resources
Explaining the Message Context Model and the Message Context Variables
Understanding the Message Flow and the Nodes/Elements of a Message Flow

Message Flow Actions
Describing the Communication Actions You Can Add to a Route or a Stage in a Message Flow
Describing the Flow Control Action You Can Add to a Route or a Stage in a Message Flow
Describing the Message Processing Actions You Can Add to a Stage in a Message Flow
Describing the Reporting Actions You Can Add to a Stage in a Message Flow
Using XQuery Mapping and Transformations

Message Flow Best Practices
Introducing Split-Joins
Describing the Concept of Dynamic Routing

Transports in Oracle Service Bus
Describing Oracle SOA Suite Transport (SOA-DIRECT)
Describing JCA Transport
Describing Representational State Transfer (REST)

Debugging with Oracle Service Bus
Describing and Configuring Error Handling in Oracle Service Bus
Configuring Validation in Oracle Service Bus
Explaining the Usage of the Reporting Action

Introduction to Oracle Service Bus Security
Introducing Oracle Service Bus Security
Securing OSB with OWSM
Introducing Message Level Security

Appendix A: Service Bus Concepts

Appendix B: Transports

Appendix C: Delivery Methods