1

Introduction

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Goals

The main goals of this course are to:

- Get familiar with common Oracle Service Bus features and functionality

- Use Oracle Service Bus to develop service- and message-oriented applications

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Audience

The target audience includes:

- Integration developers
- Service designers and developers
- Enterprise architects

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Prerequisites

To successfully complete this course, you should meet the following requirements:

- Oracle University course: *XML Fundamentals* or equivalent knowledge on XML. This is to help understand XML documents, XPath, XML schema, XSLT, and XQuery principles.

- Working knowledge of messaging, web service, and SOA concepts

Class Introductions
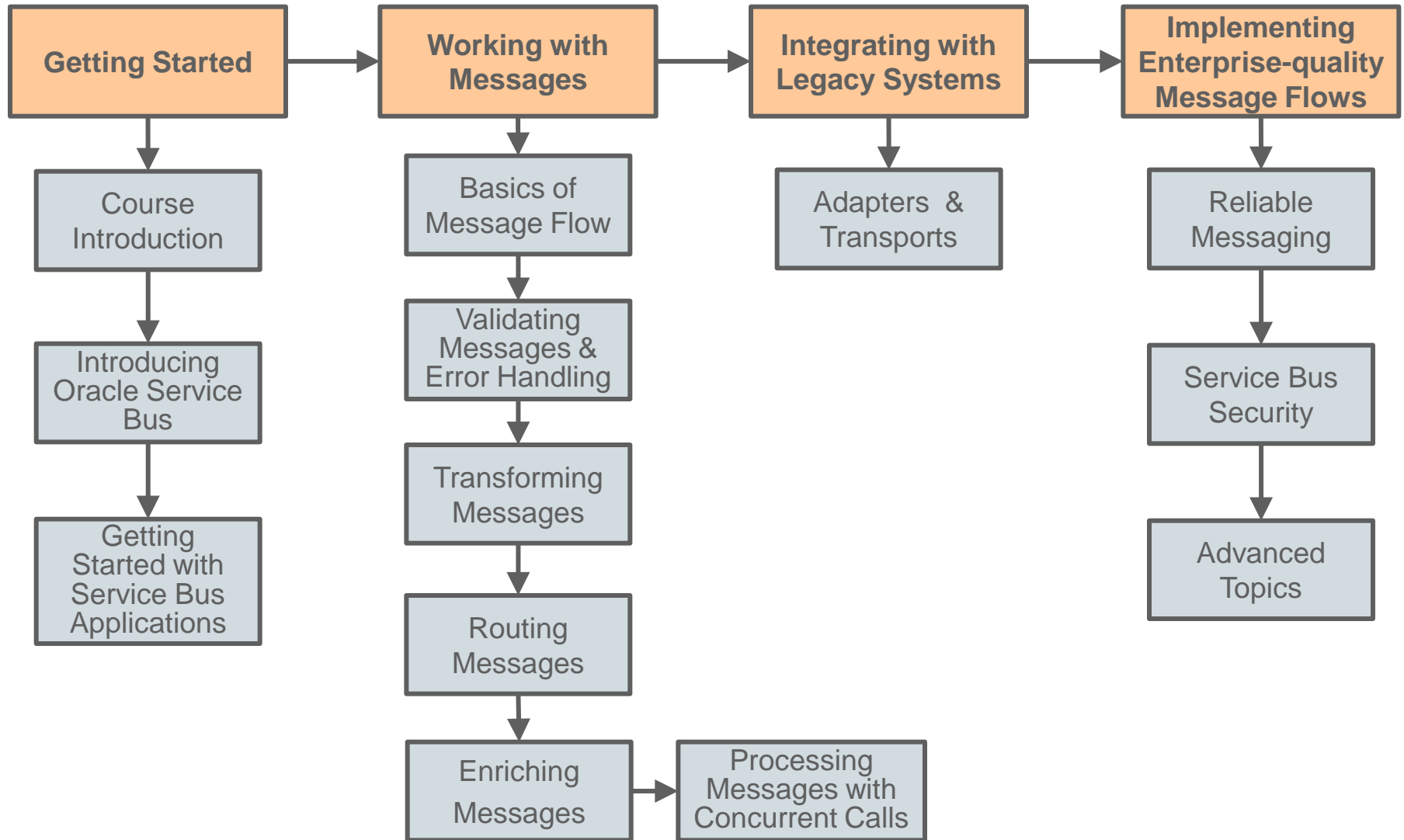
Briefly introduce yourself:

- Name
- Title/position
- Company
- Knowledge of:
  - XML and web services
  - Messaging
- Reasons for attending

Course Objectives

After completing this course, you should be able to:

- Describe Oracle Service Bus architecture and functional layers

- List Oracle Service Bus capabilities

- Enable service-level abstraction

- Perform message validation, intelligent routing, transformation, and enrichment

- Integrate services with legacy systems

- Provide reliable delivery of messages between applications and services

- Use Oracle Service Bus and OWSM to secure services

- Test, debug, and troubleshoot Oracle Service Bus applications

Course Map

Getting Started	Working with Messages	Integrating with Legacy Systems	Implementing Enterprise-quality Message Flows

Getting Started
- Course Introduction
- Introducing Oracle Service Bus
- Getting Started with Service Bus Applications

Working with Messages
- Basics of Message Flow
- Validating Messages & Error Handling
- Transforming Messages
- Routing Messages
- Enriching Messages → Processing Messages with Concurrent Calls

Integrating with Legacy Systems
- Adapters & Transports

Implementing Enterprise-quality Message Flows
- Reliable Messaging
- Service Bus Security
- Advanced Topics

Course Schedule

Day	Module
Day 1	1. Course Introduction 2. Introducing Oracle Service Bus 3. Getting Started with Oracle Service Bus Applications
Day 2	4. Basics of Message Flow 5. Validating Messages and Error Handling 6. Transforming Messages
Day 3	7. Routing Messages 8. Enriching Messages 9. Processing Messages with Concurrent Calls 10. Adapters and Transports
Day 4	11. Reliable Messaging 12. Service Bus Security 13. Advanced Topics

How Can I Learn More?

Topic	Website
Education and Training	http://education.oracle.com
Product Documentation	http://www.oracle.com/technology/documentation
Product Downloads	http://www.oracle.com/technology/software
Product Articles	http://www.oracle.com/technology/pub/articles
Product Support	http://www.oracle.com/support
Product Forums	http://forums.oracle.com
Product Tutorials	http://www.otn.oracle.com/obe
Sample Code	http://www.samplecode.oracle.com/