

ORACLE

Service Bus 12c (12.2.1)

Architecture, Features and Operation Course

This course starts off with a pattern based explanation of service oriented architecture (SOA) from a system architecture perspective. It is shown how the current version of Oracle Service Bus (OSB) fits into this concept and what connections to Business Process Modelling (BPM), Enterprise Application Integration (EAI) and registries / repositories exist. Important product features are described in the examination of the Service Bus pattern.

Installation and the creation of Service Bus domains will be taught. Operational and development aspects are illustrated: creating and testing proxy- and business services, message flows, pipelines, REST based pipelines, JavaScript actions, Domain Value Maps, error handling and the propagation of these resources to a production environment.

Attendees learn how service bus can help for maintaining security and why service bus - as a core infrastructure component for SOA - is a good location to monitor services with Service Level Agreements (SLAs) and alerts.

The last part of the course covers subjects such as production installations, high availability and load balancing from the client to the service bus and also from the service bus to a clustered implementation of services.

Half of this course is structured around presentations and discussions. The second **half consists of hands-on exercises.**

Never Leave a Course with Empty Hands!

Every participants receives a **printed copy of the presentations**, a printed copy the **lab guide**, a **VirtualBox environment** that can be started anytime later with a double-click, all **deployments, tools, and scripts** may be taken home. We always use the **latest software version**. Attendees receive a printed **certificate of attendance**.

Make sure to compare this package with any other training offer.

munz & more

<http://www.munzandmore.com>

Goals

Participants will gain a deep understanding of the architecture, development and operation of Oracle Service Bus. Having attended this course, participants will be able to setup Oracle Service Bus in a clustered environment and create business services and proxy services including message flows with pipelines, stages and actions. Additionally participants will know how to effectively use the security and monitoring features of Oracle Service Bus.

Participants

This course is designed for administrators, system integrators and architects as well as developers looking for architectural details and an introduction to message flows. Exclusively for Oracle end users.

Course Duration / Level

5 days / Beginner to Intermediate

Content

- Pattern based SOA from a system architecture perspective
- Oracle Service Bus (OSB) Overview / What is new in OSB 12c?
- OSB Operation with Oracle Fusion Middleware Control
- OSB Development with JDeveloper 12c including REST pipelines, JavaScript actions, JSON payloads, Domain-Value maps, Debugging,etc.
- OSB Monitoring / OSB Security
- OSB Clustering / Service Clustering

Language

English or German (course material in English)