Oracle Service Bus 12c: Administration

Duration: 2 Days

What you will learn

This Oracle Service Bus 12c: Administration training teaches you how to install and configure Oracle Service Bus 12c. Expert Oracle University instructors help you gain hands-on experience administering its different components by using the Service Bus Console and Enterprise Manager Fusion Middleware Control.

Learn to:

Install Oracle Service Bus 12c and initialize a domain and database support.

Migrate an Oracle Service Bus configuration from staging to production environments.

Automate Oracle Service Bus tasks using scripts.

Monitor service bus health.

Define service level agreements that trigger alerts.

Configure transport protocols.

Benefits to You

By taking this course, you'll develop the skills to install, configure and administer a service bus environment to maintain interactions between services and applications. You'll walk away from the course with the ability to manage and maintain services hosted through Oracle Service Bus 12c as well. Develop a deeper understanding of how Oracle Service Bus enables the integration of services that support a variety of different protocols, security policies and service level agreements.

Audience
Administrator
System Administrator
Technical Administrator

Related Training

Required Prerequisites

Basic Knowledge of Oracle Service Bus and SOA

Basic Knowledge of SAML

Basic knowledge of WebLogic Server administration

XML programming experience

Suggested Prerequisites
Knowledge XQuery and XPath

Knowledge of SOA

Oracle WebLogic Server 12c: Administration I

Course Objectives

Implement Oracle Web Services Manager security in securing Oracle Service Bus services

Enrich, route and validate messages within the Service Bus

Describe Message Level Security and securing Oracle Service Bus

Use some of the basic transports protocols in Oracle Service Bus

Install and configure Oracle Service Bus 12c

Discuss Oracle Service Bus concepts

Migrate an Service Bus configuration from staging to production environments

Automate Service Bus tasks by using WLST scripts

Configure and administer Oracle Service Bus 12c and its components

Configure security policies for services

Perform high availability and clustering of Oracle Service Bus 12c

Course Topics

Introduction
Course Overview
Course Environment
Course Agenda

Getting Started with Oracle Service Bus
Oracle Service Bus and SOA
Oracle Service Bus Roles
Product Architecture
Describe the Functional Layers of Oracle Service Bus
What is Oracle Fusion Middleware 12c?

Installing Oracle Service Bus 12c
Oracle Service Bus Database
Installation Requirements
Install Oracle Service Bus 12c

Oracle Service Bus Domain
Verify Installation

Service Bus Administration Tools
Service Bus Console Structure and Fusion Middleware Control Console Structure
Developer Tasks Supported in the Oracle Service Bus Console
Service Bus Administrator Tasks Supported in the Fusion Middleware Control Console

Service Bus Management
Change Management
Change Propagation
Delegated Administration
Oracle Service Bus and WLST

Reporting and Monitoring
Console Dashboard
Working with Alerts
Reports
Logging and Message Level Tracing

Service Bus Security
Oracle Service Bus Security Concepts
Securing Services with OWSM
Access Control Policies

Service Bus High Availability
Oracle Service Bus Production Architecture
Factors Affecting Oracle Service Bus Performance
Partitioning Oracle Service Bus Deployments into a Cluster
Throttling and Service Pooling