

ORACLE SERVICE BUS (OSB) 11G: SYSTEM ADMINISTRATION COURSE CONTENT

❖ **SUGGESTED PREREQUISITES:**

- Oracle WebLogic Server 11g: Administration Essentials

❖ **SUGGESTED NEXT COURSES:**

- Oracle SOA Suite 11g: Administration

❖ **OBJECTIVES:**

- Migrate an OSB configuration from staging to production environments
- Automate OSB tasks using WLST scripts
- Monitor service bus health and SLAs
- Install OSB 11g and initialize a domain and database support
- Define service level agreements that trigger alerts
- Configure transport and message-based security policies

❖ **GETTING STARTED WITH OSB:**

- Oracle Service Bus and SOA
- OSB 11g Product Architecture
- Describing the Functional Layers of Oracle Service Bus
- OSB and Oracle Fusion Middleware 11g

❖ **INSTALLING ORACLE SERVICE BUS 11G:**

- Installing the Product
- Incorporating Different OSB Domain Topology
- Configuring an OSB Domain

❖ **SERVICE BUS ADMINISTRATION TOOLS:**

- Working with the OSB Administration Console
- Accessing the OSB Test Console

❖ **SERVICE BUS MANAGEMENT:**

- Working with OSB Session
- Propagating a Service Bus Configuration
- Customizing a Service Bus Configuration
- Managing OSB Using WLST

❖ **REPORTING AND MONITORING:**

- Service Bus Monitoring
- Service Bus Operational Settings
- Working with SLA Alerts
- OSB Reporting Architecture

❖ **SERVICE BUS SECURITY:**

- OSB and Oracle Web Services Manager Security
- Configuring the OSB Security Environment
- Securing a Proxy Service by Using OWSM policies
- Propagating Identity from OSB to Secured Web Service

❖ **SERVICE BUS HIGH AVAILABILITY:**

- OSB High Availability Architecture
- Creating an OSB Cluster

- Service Endpoint Scalability
- Load Balancing Services Endpoint

❖ **SERVICE BUS PERFORMANCE TUNING:**

- Factors Affecting OSB Performance
- Partitioning OSB Deployments into Multiple OSB Domains
- Tuning an OSB Instance
- Service Result Caching with Coherence
- Throttling and Service Pooling

❖ **CONFIGURING ENTERPRISE REPOSITORY AND SERVICE REGISTRY:**

- Service Lifecycle Implementation by Using OER-OSR
- Ways to Populate OER from OSB
- Service Registry Integration Scenarios
- Import Business Services

