

# Java Cloud Administration

## Java Cloud Service Overview

- Describing the Oracle Java Cloud Service Environment
- Explaining the 3 Java Cloud Service Types
- Outlining Java Cloud Service Features
- Describing the methods to interact with Java Cloud Service

## WebLogic Server: Overview

- Explaining the role of WebLogic Server in Java Cloud Service
- Defining Oracle WebLogic Server terms: domain, server, cluster, Node Manager
- Listing Oracle WebLogic Server services and management interfaces

## Accessing Java Cloud Service Instance

- Accessing Java Cloud Service Management Consoles and Fusion Middleware Control
- Introducing WebLogic Server domain configuration
- Outlining Command-line and REST API for Java Cloud Service

## Managing Java Cloud Service

- Viewing, suspending and deleting instances
- Scaling Java Cloud Service instances
- Backing up and restoring Java Cloud Service instances
- Patching a Java Cloud Service instance
- Managing Java Cloud Service instance using CLI and REST API

## Monitoring Java Cloud Service

- Describing Java Cloud Service billing metrics
- Analyzing Java Cloud Service monitoring metrics
- Configuring Alert Rules
- Describing Java Cloud Service activity history
- Reviewing Java Cloud Service service metrics

## Working with Oracle Traffic Director

- Listing common Load Balancer Administration activities
- Creating Load Balancer instances
- Enabling and disabling Load Balancer
- Configuring Load Balancer instances
- Applying Common Load Balancer use cases
- Monitoring Load Balancers

## Multitenancy and Domain Partitions

- Describing WebLogic Server Multitenancy concepts
- Explaining WebLogic Server Domain Partition concepts
- Creating and Managing single Domain Partition
- Associating Domain Partitions with Virtual Targets
- Comparing Domain Partition Security Realm options

## Java Cloud Service Security

- Creating new Java Cloud Service users and assigning roles
- Modifying user login details and roles
- Adding custom roles
- Contrasting Java Cloud Service, VM host, and WebLogic users

## Understanding JDBC and Configuring Data Sources

- Configuring JDBC Data Sources and connection pools
- Comparing the types of data sources
- Configuring a Generic JDBC Data Source
- Configuring a GridLink Data Source
- Describing common data source problems
- Tuning a Data Source connection pool

## Working with WebLogic Server Security Realm

- Defining users, groups, roles, and policies for the embedded LDAP server
- Configuring auditing and role mapping