

Rapid Development of SOA Applications using SOA Suite on OCI Marketplace LVC

Application Development Learning Subscription

DURATION

2 Days

MODULES

7 Lectures

COURSE CODE

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Course Overview

Oracle SOA Suite on Marketplace provides a complete set of service infrastructure components for designing, deploying, and managing composite applications. Learn about the rich variety of features provided by Oracle SOA Suite on Marketplace.

What You Will Learn

Getting Started with Oracle SOA Suite on Marketplace

- Objectives
- Oracle SOA Suite on Marketplace: Overview
- Introduction to Oracle SOA Suite on Marketplace
- Oracle SOA Suite on Marketplace: Features
- Features of Oracle SOA Suite on Marketplace
- Oracle SOA Cloud Service Vs. SOA Suite on Marketplace
- Oracle SOA Suite on Marketplace: Components
- Components of Oracle SOA Suite on Marketplace
- OCI for Oracle SOA Suite: Components
- Components of OCI – For SOA Suite
- Managing the Life Cycle of Oracle SOA Suite on Marketplace Instances:
 - Workflow
 - Workflow for Managing the Life Cycle of Oracle SOA Suite on Marketplace
- Instances
- Oracle SOA Suite on Marketplace Topologies
- Oracle Cloud Infrastructure: Networking Basics
- Oracle SOA Suite on Marketplace Topologies: Scenario A
- Oracle SOA Suite on Marketplace Topologies: Scenario B
- Oracle SOA Suite on Marketplace Topologies: Scenario C
- Summary

Prerequisites for SOA Provisioning

- Objectives
- Prerequisites for SOA Suite Provisioning
- Create a Compartment
- Creating a New Compartment in OCI
- View the Compartment Details
- Set Up a Virtual Cloud Network
- View the Virtual Cloud Network Details
- Configure Security Lists
- Generate an SSH Key Pair
- Generating the SSH Keys from Cloud Shell
- Generate an SSH Key Pair on Windows Using PuTTYgen
- Create an Oracle Database for Oracle SOA Suite
- Create an OCI Database for Oracle SOA Suite
- Create an ATP Database for Oracle SOA Suite
- Autonomous Processing Database Details
- Summary
- Practice 2: Prerequisites for SOA Provisioning

Provision an Oracle SOA Suite on Marketplace Instance

- Objectives
- Provision an Oracle SOA Suite on Marketplace Instance
- Provision an Oracle SOA Suite on Marketplace Instance Using OCI Console
- Creating an SOA Suite Instance: Oracle Cloud Infrastructure
- Creating an SOA Suite Instance: Launch Stack
- Creating an SOA Suite Instance: Stack Information
- Creating an SOA Suite Instance: Configure Variables
- Creating an SOA Suite Instance: Networking
- Creating an SOA Suite Instance: Configure Database
- Creating an SOA Suite Instance: Review Configuration
- Oracle SOA Suite Stack: Provision Status
- View Oracle SOA Suite Stack Details
- View Oracle SOA Suite: Job Details
- View Compute Instance Details
- View Virtual Cloud Network: Details
- Provisioning an Oracle SOA Suite Instance: Quick Start
- Oracle SOA Suite on Marketplace Quick Start Instance
- Oracle a SOA Suite Quick Start Instance: Launch Stack
- Create a Quick Start Instance: Stack Information
- Create a Quick Start Instance: Configure Variables
- Creating a SOA Suite Instance: Review Configuration
- Oracle SOA Suite Quick Start Instance: Provision Status
- Complete Post-Provisioning Tasks
- Add Ingress Rules to Access WebLogic Server and Other Consoles

- Add Ingress Rules to Access WebLogic Server and Enterprise Manager
- Access an Oracle SOA Suite on Marketplace Instance
- Access an Oracle SOA Suite-Job Details
- Access an Oracle SOA Suite: Outputs
- Access WebLogic Server Administration Console
- Access Oracle Enterprise Manager
- Summary
- Practice 3: Provision Oracle SOA Suite on Marketplace Instances

Deploy Applications for Oracle SOA Suite on Marketplace

- Objectives
- Deployment Tasks for an Oracle SOA Suite Instance
- Deployment Tasks for an Oracle SOA Suite on Marketplace Instance
- Deploy an Application Using Oracle JDeveloper
- Set Up the JDeveloper Environment
- Add an Ingress Rule to Allow the JDeveloper Connection
- Set the Manual Proxy in Oracle JDeveloper
- Create an Application Server Connection
- Deploy a SOA Composite Application from JDeveloper
- Test the Deployed Application from Enterprise Manager
- Deploy an Application Using Oracle Enterprise Manager Fusion Middleware
- Control
- Deploying an Application Using Oracle Enterprise Manager
- Oracle Enterprise Manager Fusion Middleware Control – Deploying an
- Application
- Access the Deployed Application – Oracle Enterprise Manager
- Undeploying an Application Using Oracle Enterprise Manager Fusion Middleware
- Control
- Deploying an Application Using the WebLogic Server Administration Console
- Deploying an Application – WebLogic Server Administration Console
- Access the Deployed Application from WebLogic Server Administration
- Console
- Undeploying an Application – WebLogic Server Administration Console
- Summary
- Practice 4: Deploy Applications for Oracle SOA Suite on Marketplace

Manage Oracle SOA Suite on Marketplace Instance

- Objectives
- Manage Oracle SOA Suite on Marketplace Instance: Overview
- Manage Oracle SOA Suite on Marketplace Instance
- Edit an Oracle SOA Suite on Marketplace Instance
- Add a Load Balancer
- Load Balancer
- Add a New Load Balancer in a New Subnet
- Remove the Managed Server Security List from Subnet

- Edit the Stack to Add a New Load Balancer in New Subnet
- Execute the Terraform Plan Operation
- Execute the Terraform Apply Operation
- Get the Load Balancer Details and Validate Results
- Update the Load Balancer Details in the WebLogic Server Administration
- Console
- Restart the Servers
- Verify the Load Balancer Health
- Access the Application Using Load Balancer
- Add a New Load Balancer in an Existing Subnet
- Delete a Load Balancer
- Delete a Load Balancer When Added in a New Subnet
- Delete a Load Balancer When Added in an Existing Subnet
- Access a VM Through a Secure Shell (SSH)
- Connect to the Administration and Managed Server VM
- Change VM Users
- Create an SSH Tunnel
- Accessing the WebLogic Administration Console
- Run WLST Commands on a VM
- Summary
- Practice 5: Manage Oracle SOA Suite on Marketplace Instance

Perform Database Operations for an Oracle SOA Suite on Marketplace Instance

- Objectives
- Discover the Default Database Schema Prefix and Password
- Create a Data Source for an Oracle Autonomous Transaction Processing
- Database
- Create a Data Source for an Oracle ATP
- Download the ATP Wallet
- Configure a Data Source for an ATP Database Using Create Script
- Configure a Data Source for an ATP Database Using WebLogic Administration
- Console
- Configure a Data Source Using WebLogic Administration Console
- Summary
- Practice 6: Perform Database Operations for an Oracle SOA Suite on Marketplace
- Instance

Manage the Life Cycle of an Oracle SOA Suite on Marketplace Instance

- Objectives
- Perform Life Cycle Operations on an Oracle SOA Suite Instance
- Overview of Scaling
- Cluster Scale Out and Instance Up Oracle SOA Suite Instance
- Execute the Terraform Plan Operation
- Execute the Terraform Apply Operation
- Validate the Results - WebLogic Console

- Validate the Results – Compute Instance
- Stop or Start an Oracle SOA Suite on Marketplace Instance
- Start Admin and Managed Servers
- Stop and Start the Managed Server – WebLogic Administration Console
- Disable Server Restart During an Instance Reboot
- Summary
- Practice 7: Manage the Life Cycle of an Oracle SOA Suite on Marketplace
- Instance