S Oracle Database Appliance: Implementation and Administration LVC

Oracle IT Infrastructure

DURATION	MODULES	COURSE CODE
1 Days	**13 Lectures**	**—**

Course Overview

After completing this course, you should be able to: Describe the architecture and key components of ODA to guide deployment and management decisions. Deploy ODA in both bare metal and virtualized environments using Oracle’s integrated tools. Create, configure, and monitor databases on ODA in both bare metal and virtualized environments. Implement patching, backup, and recovery procedures to maintain system stability and data protection. Troubleshoot common issues across ODA environments and apply best practices for ongoing administration

What You Will Learn

Module 1: Course Overview

- Course Overview
- Target Audience
- Prerequisites
- Learning Outcomes
- Course Outline

Module 2: Introduction to Oracle Database Appliance

- Objectives
- Oracle Database Appliance: Overview
- Oracle Database Appliance: Advantages
- Oracle Database Appliance X11 Hardware Models
- Oracle Database Deployment Options and Key Highlights
- Summary

Module 3: Preparing for ODA Deployments

- Objectives
- Register Your Oracle Database Appliance with My Oracle Support

- Prepare the Site and Rack-Mount the Appliance
- Connect the ODA Network and Power Cables
- Power Up ODA and Plumb the Network
- Configure Oracle ILOM and Identify the Deployment Type
- Summary

Module 4: Introduction to Oracle Database Deployments

- Objectives
- Identify Key Oracle Database Appliance Documents
- Describe Oracle Database Deployment Options and Oracle Database Shapes
- Explain Data Storage Options
- Identify Configuration Options and Requirements
- Summary

Module 5: Bare Metal Deployments

- Objectives
- Describe Bare Metal Deployments, Software, and Clones
- Deploy Multi-Node Bare Metal Oracle Database Appliance
- Deploy Single-Node Bare Metal Oracle Database Appliance
- Explain Default Security Settings and Passwords for Installation Owners
- Summary

Module 6: Managing Databases on Bare Metal ODA

- Objectives
- Describe Default Users and Groups and Default Directory Paths
- Manage Databases
- Manage Database Homes
- Summary

Module 7: Oracle Database Appliance Backup and Recovery

- Objectives
- Describe ODA Backup and Recovery
- Create an ODA Backup Policy
- Perform Backup and Recovery for an ODA Database
- Summary

Module 8: Patching Bare Metal Oracle Database Appliance

- Objectives
- Explain ODA Patching
- Upgrade Path for Oracle Database Appliance
- Patch Oracle Database Appliance
- Summary

Module 9: Administering Bare Metal Oracle Database Appliance

- Objectives
- Describe Bare Metal Configuration
- Explain Options for ODA Administration
- Manage VLAN, Storage, and Networks
- Discuss ODA Monitoring, Diagnostics, and Oracle ASR
- Summary

Module 10: Introduction to Virtualization on ODA

- Objectives
- Describe How Virtualization Provides Flexibility in Allocating Resources
- Explain KVM Virtualization
- Describe ODA Virtualized Advantages
- Summary

Module 11: Provisioning an ODA Virtualized Platform

- Objectives
- Prepare to Deploy a DB System on Oracle Database Appliance
- Create a DB System on ODA
- Modify a DB System on ODA
- Create a Virtual Network for a DB System
- Summary

Module 12: Managing Virtualized ODA

- Objectives
- Differentiate Between a Managed DB System and a Compute Instance
- Deploy a Compute Instance on ODA
- Create CPU Pools and VM Storage and Allocate to the VM
- Create Virtual Local Area Networks (VLANs)
- Create and Modify a Compute Instance
- Summary

Module 13: Managing Databases in a DB System on ODA

- Objectives
- Explain Database Sizes and Shapes Related to Workloads
- Create a Database in a DB System
- Manage Databases
- Update Databases
- Summary