S Oracle Database Appliance: Implementation and Administration LVC

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

- SECTION I: Course Overview

Module 1: Introduction

- Course Overview
- Target Audience
- Prerequisites
- Learning Outcomes
- Course Outline
- SECTION II: Introduction to Oracle Database Appliance (ODA)

Module 2: ODA Overview

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

Module 3: Preparing for ODA Deployments

- Objectives
- Register ODA with My Oracle Support
- Prepare the Site and Rack-Mount the Appliance
- Connect Network and Power Cables
- Power Up ODA and Configure Network
- Configure Oracle ILOM and Identify Deployment Type
- Summary

Module 4: Introduction to Oracle Database Deployments

- Objectives
- Identify Key ODA Documentation
- Oracle Database Deployment Options and Shapes
- Data Storage Options
- Configuration Options and Requirements
- Summary
- SECTION III: Bare Metal ODA Deployments

Module 5: Bare Metal Deployments

- Objectives
- Describe Bare Metal Deployments, Software, and Clones
- Deploy Multi-Node Bare Metal ODA
- Deploy Single-Node Bare Metal ODA
- Default Security Settings and Installation Owner Passwords
- Summary

Module 6: Managing Databases for Bare Metal ODA

- Objectives
- Default Users, Groups, and Directory Paths
- Managing Databases
- Managing Database Homes
- Summary

Module 7: ODA Backup and Recovery

- Objectives
- Backup and Recovery Overview
- Create an ODA Backup Policy
- Perform Backup and Recovery Operations
- Summary

Module 8: Patching and Upgrades for Bare Metal ODA

- Objectives

- ODA Patching Overview
- Patch Oracle Database Appliance
- Upgrade Path for Oracle Database Appliance
- Summary

Module 9: Administering Bare Metal ODA

- Objectives
- Bare Metal Configuration Overview
- Administration Options for ODA
- Managing VLANs, Storage, and Networks
- ODA Monitoring, Diagnostics, and Oracle ASR
- Summary
- SECTION IV: Virtualized Oracle Database Appliance

Module 10: Introduction to Virtualization

- Objectives
- Flexibility of Virtualization
- KVM Virtualization Overview
- Advantages of ODA Virtualization
- Summary

Module 11: Provisioning Virtualized ODA

- Objectives
- Preparing to Deploy a DB System on ODA
- Create a DB System on ODA
- Modify a DB System
- Create a Virtual Network for a DB System
- Summary

Module 12: Managing Virtualized ODA

- Objectives
- Differences Between Managed DB Systems and Compute Instances
- Deploy a Compute Instance on ODA
- Create CPU Pools, VM Storage, and Allocate to VMs
- Create Virtual LANs (VLANs)
- Create and Modify a Compute Instance
- Summary

Module 13: Managing Databases in a Virtualized DB System

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

- Update Databases
- Summary

This creates 13 modules, organized from course introduction, ODA basics, bare metal deployments, administration, to virtualization and database management