

# S Exadata Virtual Machines Overview Seminar (D96765)

ID D96765 Preis 854,- € (exkl. MwSt.) Dauer 1 Tag

## Kursüberblick

This Exadata Virtual Machines Overview seminar introduces you to Exadata Virtual Machines, a feature of Oracle Exadata Database Machine that enables you to run multiple virtualized database servers on each Exadata compute node. Expert Oracle University instructors will teach you about the architecture of Exadata Virtual Machines, while showing you how to perform key configuration, implementation and management tasks associated with Exadata Virtual Machines.

## Learn To:

- Describe the Exadata Virtual Machines architecture.
- Describe the use cases for Exadata Virtual Machines.
- Compare and contrast Exadata Virtual Machines with other database consolidation approaches.
- Use Oracle Exadata Deployment Assistant (OEDA) to configure and deploy Exadata Virtual Machines.
- Perform additional post-deployment tasks.
- Monitor and administer Exadata Virtual Machines.

## Benefits to You

By taking this course, you'll develop the knowledge and skills to maximize the efficiency and effectiveness of your Exadata Database Machine. You'll walk away with a deeper understanding of key best practices.

## Zielgruppe

- Database Administrators
- System Administrator

- Sales Consultants
- Technical Consultant
- Technical Administrator

## Voraussetzungen

### Required Prerequisites:

- An understanding of general networking, storage and system administration concepts.
- Prior knowledge and understanding of Oracle Database (11g Release 2 or 12c), including Oracle RAC, Clusterware and Automatic Storage Management (ASM).

### Suggested Prerequisites:

- Prior knowledge of Oracle Database 11g R2 or 12c RAC.
- Exadata Administration Workshop.
- [Oracle Database 11g: Administration Workshop II \(D50079\)](#)
- [Oracle Database 12c: RAC Administration \(D81250\)](#)
- [Exadata Database Machine: 12c Administration Workshop \(D92887\)](#)

## Kursziele

- Perform additional post-deployment tasks
- Monitor and administer Exadata Virtual Machines
- Describe the Exadata Virtual Machines architecture
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- Describe the use cases for Exadata Virtual Machines
- Compare and contrast Exadata Virtual Machines with other database consolidation approaches
- Use Oracle Exadata Deployment Assistant

(OEDA) to configure and deploy Exadata Virtual Machines

- Resource Management

## **Kursinhalt**

### **Introduction**

- Seminar Introduction
- Seminar Objectives
- Audience and Prerequisites
- Course Content
- Additional Resources

### **Exadata Overview**

- Exadata Hardware Generational Advances
- Exadata in the Cloud
- Exadata Storage Server Architecture
- Exadata Storage Server Features
- InfiniBand Network Overview
- Oracle Exadata Virtual Machines
- Exadata Software Architecture Overview

### **Exadata Virtual Machines Architecture**

- Exadata VM Introduction
- Exadata VM Usage
- Traditional Oracle VM Architecture
- Virtual Machine Terminology
- Exadata VM Architecture
- Exadata VM Limitations
- Exadata VM Storage
- Exadata VM Monitoring

### **Exadata Virtual Machines Deployment**

- Exadata VM Requirements
- Exadata VM Sizing
- Oracle Exadata Deployment Assistant Introduction and Overview
- Using the OEDA Configuration Tool
- Post-Deployment
- Modifying an Existing Deployment
- Exadata Migration

### **Exadata Virtual Machines Administration**

- Exadata OVM: Machine Boot
- Exadata OVM: Inside Dom0 and DomU
- VM Management Operations
- Backup and Restore
- Upgrades and Patching
- Monitoring