

I Introduction

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Seminar Objectives

After completing this seminar, you should be able to:

- Describe the key capabilities of Exadata.
- Identify the benefits of using Exadata for different application classes.
- Describe the architecture of Exadata and its integration with Oracle Database.
- Complete the initial configuration of Exadata.
- Describe various recommended approaches for migrating to Exadata.
- Configure the Exadata I/O Resource Manager.
- Monitor Exadata health and optimize performance.
- Proceed towards the adoption of Exadata with greater confidence.

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Prerequisites

- This seminar is primarily designed for administrators who will configure and administer the Sun Oracle Exadata Storage Server.
- Some prior knowledge and understanding of Oracle Automatic Storage Management (ASM) and the Oracle Database is assumed.
- Recommended prior training:
 - Oracle Database 11g: Administration Workshop 1
 - Oracle Grid Foundation 11g: Administer ASM
 - Oracle 11g: RAC and Grid Foundation Overview Seminar

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Prerequisites

This seminar is primarily designed for administrators who will configure and administer the Sun Oracle Exadata Storage Server. Some prior knowledge and understanding of Oracle Automatic Storage Management (ASM) and the Oracle Database is assumed.

For students who do not already have an understanding of ASM and the Oracle Database, the recommended prior training includes the following courses:

- *Oracle Database 11g: Administration Workshop 1*
- *Oracle Grid Foundation 11g: Administer ASM*

In addition, students who are looking to implement Exadata in a grid environment will benefit from attending the following course:

- *Oracle 11g: RAC and Grid Foundation Overview Seminar*

Seminar Scope

- This seminar focuses on Exadata V2
 - The Sun Oracle Exadata Storage Server hardware is introduced and described throughout the course
 - You should consult the Hardware Documentation for specific hardware installation and maintenance details
- Exadata V2 software is available as an upgrade for users of HP-based Exadata solutions
 - Most capabilities are available on HP-based Exadata servers
 - Features and functions that use flash memory are not available on HP-based Exadata servers
 - The seminar does not focus on this configuration
- Some comparisons are highlighted between Exadata V2 and earlier Exadata offerings
 - Mainly for the sake of clarification or to remove confusion

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Seminar Scope

This seminar focuses on the Oracle Exadata Storage Server Software that underpins the Sun Oracle Exadata Storage Server. Collectively, this new offering is also known as Exadata version 2, Exadata V2 or simply Exadata.

While the hardware components of Exadata V2 are introduced and described to varying degrees throughout this seminar, you should consult the hardware documentation for specific hardware installation and maintenance details.

Exadata V2 software is also available as an upgrade for users of the first-generation Exadata solutions based on HP hardware. Most of the capabilities of Exadata V2 software are available on HP-based Exadata servers, except for the features and functions that are based on flash memory which was not available on HP-based Exadata servers.

In some cases, Exadata V2 functionality is compared with the first-generation Exadata functionality. Mainly this is done for the sake of clarification or to remove the potential for confusion where students have some knowledge of the earlier Exadata products.

This seminar does not provide a comprehensive comparison between Exadata V2 and earlier releases, nor does it provide a comprehensive guide to using Exadata V2 software in conjunction with HP-based Exadata servers.

Typical Schedule

1. Oracle Exadata Storage Server Overview
2. Oracle Exadata Storage Server Architecture
3. Oracle Exadata Storage Server Configuration and Administration
4. Oracle Exadata Storage Server Migration Overview
5. Oracle Exadata Storage Server and I/O Resource Management
6. Oracle Exadata Storage Server Performance Monitoring and Optimization

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Typical Schedule

This represents a typical order of proceedings for conducting this seminar in a one-day format with demonstrations. Your instructor may alter the schedule depending on the experience level of the audience, questions and feedback presented, or the amount of detail discussed during the demonstrations.

The demonstrations that accompany this seminar are available for your reference at <http://www.oracle.com/technology/obe/demos/admin/demos.html>.