

Oracle Database 11g: Administration Workshop II

Days of Training: 5

Overview

This course brings database administrators beyond a basic understanding of their duties and to transfer advanced skills needed to effectively administer an Oracle database installation within a large-scale enterprise.

Prerequisites

- Oracle Database 11g: Administration Workshop I

At Course Completion

Upon successful completion of this course, students will be able to:

- Automatic database management, monitoring and tuning facilities. Included are automatic management of storage space and memory resources within the database and the role of the Segment Advisor and Memory Advisors.
- Automatic resumption of database operations even in the face of storage space allocation failures and errors.
- Setting metric and alert thresholds for proactive database monitoring.
- Using deferred segment creation to improve performance and establish efficient use of space.
- Globalization features within the database to support applications in multiple languages, currencies, time zones and countries.
- Utilizing diagnostic sources in troubleshooting database problems and employing the Fault Diagnosability Infrastructure, the Database Instance Health monitor and the Support Workbench to capture and process fault data.
- Configuring the database to recover from a wide variety of failures. This includes configuring redo log files and the Flash or Fast Recovery Area.
- Using Oracle flashback technology to recover from user errors and from database failures, including Flashback Data Archive and Flashback Transaction Backout as part of the Oracle Total Recall technology.

ORACLE11GADMINII

Lesson 1: Volume A: Advanced Database Administration

- Managing Memory
- Managing Storage & The Segment Advisor
- Globalization
- Diagnosing Database Problems
- Recovery Concepts
- Oracle Flashback Technology
- Flashback Database & Flashback Data Archive

Lesson 2: Volume B: Resource Manager & Scheduler

- Managing Resources
- Automating Tasks with the Scheduler (Basic)
- Automating Tasks with the Scheduler (Advanced)
- Managing Database Performance

Lesson 3: Volume C: RMAN Backup & Recovery

- Instance Recovery
- Configuring RMAN
- Backup with RMAN
- RMAN Management with EM
- User-Managed Recovery Operations
- Recovery with RMAN
- Using the RMAN Recovery Catalog
- Database Duplication & Cloning
- Advanced RMAN Capabilities
- Transporting TableSpaces
- Recovering From Corruption with Data Recovery Advisor

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