

Oracle Database 11g: New Features for Administrators – Exam Study Guide

The **Oracle Database 11g: New Features for Administrators Exam Study Guide** is designed to provide students with the information that can help them learn more to pass the [Oracle Database 11g New Features for Administrators \(1Z0-050\) Exam](#).

The exam audience is represented by Oracle Database 11g administrators, that have a strong foundation and expertise in the industry's most advanced database management system.

For each exam topic there have been identified alternative training options that are available at Oracle.

Please note that some of the training recommended can cover multiple exam topics.

The exam covers 16 topics.

Topic 1: Installation and Upgrade Enhancements

Objectives

- Install Oracle Database 11g
- Upgrade your database to Oracle Database 11g
- Oracle Direct NFS
- Use online patching

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 2: Storage Enhancements

Objectives

- Setup ASM fast mirror resynch
- Understand scalability and performance enhancements
- Setup ASM disk group attributes
- Use various new manageability options
- Use the md_backup, md_restore, and ASMCMD extensions

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 3: Intelligent Infrastructure Enhancements

Objectives

Creating and using AWR baselines
Setting AWR Baseline Metric Thresholds
Control Automated Maintenance Tasks
Using Database Resource Manager New Features
Using new scheduler features

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 4: Performance Enhancements

Objectives

ADDM Enhancements
Setup Automatic Memory Management
Enhancements in statistics collection

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 5: Partitioning and Storage-Related Enhancements

Objectives

Implement the new partitioning methods
Employ Data Compression
SQL Access Advisor Overview
Create SQL Access Advisor analysis session using PL/SQL

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 6: Using RMAN Enhancements

Objectives

Managing Archive logs
Duplicating a Database
Back up large files in multiple sections
Perform Archival Backups
Manage Recovery Catalogs
Create a virtual private catalog for RMAN

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 7: Using Flashback and Logminer

Objectives

- Overview of Flashback Data Archive
- Manage Flashback Data Archive
- Back-out transactions using Flashback Transaction
- Working with Logminer

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 8: Diagnosability Enhancements

Objectives

- Setup Automatic Diagnostic Repository
- Use Support Workbench
- Run health checks
- Use SQL Repair Advisor

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 9: Database Replay

Objectives

- Overview of Workload Capture and Replay
- Using Workload capture and replay

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 10: Using the Data Recovery Advisor

Objectives

- Overview of Data Recovery Advisor
- Repairing data failures using Data Recovery Advisor
- Perform proactive health check of the database

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 11: Security: New Features

Objectives

- Configure the password file to use case sensitive passwords
- Encrypt a tablespace
- Configure fine grained access to network services

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 12: Oracle SecureFiles

Objectives

- Use Secure File LOBS to store documents with Compression, Encryption, De-duplication, Caching
- Use SQL and PL/SQL APIs to access Secure File LOBS

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 13: Miscellaneous New Features

Objectives

- Describe and use the enhanced online table redefinition
- Enhanced finer grained dependency management
- Use Enhanced DDL - Apply the improved table lock mechanism, Create invisible indexes
- Use Query Result Cache and PL/SQL Result Cache
- Adaptive Cursor Sharing
- Temporary Tablespace Enhancements

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 14: SQL Performance Analyzer

Specialized. Recognized by Oracle.
Preferred by Customers.

Objectives

Overview of SQL Performance Analyzer
Using SQL Performance Analyzer

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 15: SQL Plan Management

Objectives

SQL Plan Baseline Architecture
Set up SQL Plan Baseline
Using SQL Plan Baseline Automatic SQL Tuning
Setup and modify

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)

Topic 16: Automatic SQL Tuning

Objectives

Interpret reports generated by Automatic SQL Tuning

Training Options

- Instructor Led Training (delivered by Oracle University)
 - [Oracle Database 11g: New Features for Administrators DBA Release 2](#)



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