

uCertify

Course Outline

Oracle Database 11g: New Features for Administrators



Contents

1. Course Objective
2. Pre-Assessment
3. Exercises, Quizzes, Flashcards & Glossary
 Number of Questions
4. Expert Instructor-Led Training
5. ADA Compliant & JAWS Compatible Platform
6. State of the Art Educator Tools
7. Award Winning Learning Platform (LMS)
8. Chapter & Lessons
 Syllabus
 Chapter 1: Installation and Upgrade Enhancements
 Chapter 2: Storage Enhancements
 Chapter 3: Intelligent Infrastructure Enhancements
 Chapter 4: Performance Enhancements
 Chapter 5: Partitioning and Storage-Related Enhancements
 Chapter 6: Using RMAN Enhancements
 Chapter 7: Using Flashback and Logminer
 Chapter 8: Diagnosability Enhancements
 Chapter 9: Database Replay
 Chapter 10: Using the Data Recovery Advisor
 Chapter 11: Security: New Features
 Chapter 12: Oracle SecureFiles
 Chapter 13: Miscellaneous New Features
 Chapter 14: SQL Performance Analyzer
 Chapter 15: SQL Plan Management

Chapter 16: Automatic SQL Tuning

Videos and How To

9. Practice Test

Here's what you get

Features

10. Post-Assessment

1. Course Objective

Gain hands-on expertise in Oracle Database 1Z0-050 certification exam with Oracle Database 11g: New Features for Administrators course. The course covers all the objectives of the 1Z0-050 exam which include benefits and use of the new features in managing change, diagnosing and recovering from problems, ensuring high availability, improving scalability and performance, strengthening security, and much more. The 1Z0-050 exam has been validated against Oracle's Database 11g Release 2 version 11.2.0.1.0.

2. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

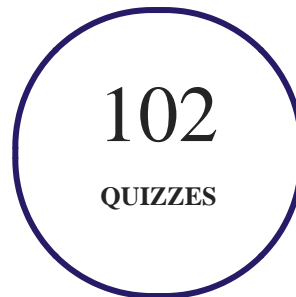
3. Exercises

There is no limit to the number of times learners can attempt these. Exercises come with detailed remediation, which ensures that learners are confident on the topic before proceeding.

291
EXERCISES

4. Quizzes

Quizzes test your knowledge on the topics of the exam when you go through the course material. There is no limit to the number of times you can attempt it.



5. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

6. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

7. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assignments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

8. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 5 years:

- **2014**
 1. Best Postsecondary Learning Solution

- **2015**
 1. Best Education Solution
 2. Best Virtual Learning Solution
 3. Best Student Assessment Solution
 4. Best Postsecondary Learning Solution
 5. Best Career and Workforce Readiness Solution
 6. Best Instructional Solution in Other Curriculum Areas
 7. Best Corporate Learning/Workforce Development Solution

- **2016**
 1. Best Virtual Learning Solution
 2. Best Education Cloud-based Solution
 3. Best College and Career Readiness Solution

4. Best Corporate / Workforce Learning Solution
5. Best Postsecondary Learning Content Solution
6. Best Postsecondary LMS or Learning Platform
7. Best Learning Relationship Management Solution

- **2017**

1. Best Overall Education Solution
2. Best Student Assessment Solution
3. Best Corporate/Workforce Learning Solution
4. Best Higher Education LMS or Learning Platform

- **2018**

1. Best Higher Education LMS or Learning Platform
2. Best Instructional Solution in Other Curriculum Areas
3. Best Learning Relationship Management Solution

9. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

Syllabus

Chapter 1: Installation and Upgrade Enhancements

- Install Oracle Database 11g

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

Chapter 2: Storage Enhancements

- 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

Chapter 3: Intelligent Infrastructure Enhancements

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

Chapter 4: Performance Enhancements

- ADDM Enhancements
- Setup Automatic Memory Management
- Enhancements in statistics collection

Chapter 5: Partitioning and Storage-Related Enhancements

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

Chapter 6: Using RMAN Enhancements

- 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

Chapter 7: Using Flashback and Logminer

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

Chapter 8: Diagnosability Enhancements

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

Chapter 9: Database Replay

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

Chapter 10: Using the Data Recovery Advisor

- Overview of Data Recovery Advisor
- Repairing data failures using Data Recovery Advisor

- Perform proactive health check of the database

Chapter 11: Security: New Features

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

Chapter 12: Oracle SecureFiles

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

Chapter 13: Miscellaneous New Features

- 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

Chapter 14: SQL Performance Analyzer

- Overview of SQL Performance Analyzer
- Using SQL Performance Analyzer

Chapter 15: SQL Plan Management

- SQL Plan Baseline Architecture
- Set up SQL Plan Baseline
- Using SQL Plan Baseline

Chapter 16: Automatic SQL Tuning

- Setup and modify Automatic SQL Tuning
- Interpret reports generated by Automatic SQL Tuning

Videos and How To

uCertify course includes videos to help understand concepts. It also includes How Tos that help learners in accomplishing certain tasks.



10. Practice Test

uCertify provides full length practice tests. These tests closely follow the exam objectives and are designed to simulate real exam conditions. Each course has a number of test sets consisting of hundreds of items to ensure that learners are prepared for the certification exam.

Here's what you get

15
PRE-ASSESSMENTS QUESTIONS

70
POST-ASSESSMENTS QUESTIONS

Features

Full Remediation

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

Learn, Test and Review Mode

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

11. Post-Assessment

After completion of the uCertify course Post-Assessments are given to students and often used in conjunction with a Pre-Assessment to measure their achievement and the effectiveness of the exam.

Have Any Query? We Are Happy To Help!

GET IN TOUCH:

■ Contact No

■ Email: sales@ucertify.com

■ www.uCertify.com