Oracle Database 12c: Backup and Recovery Workshop

This Oracle Database 12c: Backup and Recovery Workshop teaches you about backup, restore and recovery scenarios. This course will help you evaluate your own recovery requirements and develop appropriate strategies for these procedures. In this course, you will be introduced to Oracle Database Cloud Service.

Learn To

This Oracle Database 12c: Backup and Recovery Workshop will teach each you how to evaluate your own recovery requirements. You will develop appropriate strategies for backup, restore and recovery procedures from provided scenarios. In this course, you will be introduced to Oracle Database Cloud Service.

Learn To:

- Develop backup and recovery procedures to address your business needs.
- Implement backup and recovery settings and perform backup operations to disk and tape.
- Employ Oracle Database recovery procedures to recover from media and other failures.
- Diagnose and repair data failures.
- Use Flashback Technologies and data duplication to complement backup and recovery procedures.
- Secure the availability of your database by appropriate backup and recovery strategies.
- Gain an understanding of the Oracle Database Cloud Service.

Benefits to You

Ensure fast, reliable, secure and easy to manage performance. Optimize database workloads, lower IT costs and deliver a higher quality of service by enabling consolidation onto database clouds.

Perform Backup and Recovery

Expert instructors will begin by helping you gain a deeper understanding of possibly the most important job of a Database Administrator, backup and recovery. The concepts and architecture that support backup and recovery, along with the steps required to carry it out in various ways and situations, are covered in detail.

Recovery Manager Command Line and Graphical Interfaces

This course will teach you about Recovery Manager (RMAN) command line and graphical interfaces for various backup, failure, restore and recovery scenarios.

Participate in Hands-on Practices and Workshops

Participating in extensive hands-on practices and workshops will help you gain experience in a realistic technical environment. Interactive workshops give you the opportunity to diagnose and recover from numerous failure scenarios, based on backup and recovery case studies.

Key Takeaways

Upon completing this course, you will know how to evaluate your own recovery requirements. You'll have the skills to develop an appropriate strategy for backup and recovery procedures.

Prerequisites

Suggested Prerequisite

- CDT Using Oracle Enterprise Manager Cloud Control 12c

Required Prerequisite

- Knowledge of SQL and PL/SQL
- Knowledge of Oracle Database 12c

Audience

- Administrator
- Database Administrator

Course Objectives

- Use the Data Recovery Advisor to diagnose and repair failures.
- Use Oracle Flashback Technologies to recover from human error.
- Perform an encrypted database backup and restore.
- Perform tablespace point-in-time recovery.
- Describe additional high availability features such as Oracle Data Guard.
- Gain an understanding of the Oracle Database Cloud Service
- Describe Oracle Database backup methods and recovery operations that can be used to resolve database failure.
- Describe the Oracle Database architecture components related to backup and recovery operations.
- Plan effective backup and recovery procedures.
- Configure the database for recoverability.
- Use Recovery Manager (RMAN) to create backups and perform recovery operations.

Course Topics

- Introduction
- Getting Started
- Configuring for Recoverablility
- Using the RMAN Recovery Catalog
- Backup Strategies and Terminology
- Performing Backups
- Improving Your Backups
- Using RMAN-Encrypted Backups
- Diagnosing Database Failures
- Restore and Recovery Concepts
- Performing Recovery, Part 1
- Performing Recovery, Part 2
- RMAN and Oracle Secure Backup
- Performing Tape Backups and Restores
- Using Flashback Technologies
- Using Flashback Database

- Managing Backup Space or Transporting Data
- Duplicating a Database
- RMAN Performance and Tuning
- Backup and Recovery Workshop
- Oracle Database Cloud Service: Overview