

## Oracle Database 10g: Backup and Recovery - LVC

**Duración:** 3 días

### Lo que aprenderá

After completing this course, students should be able to evaluate their own recovery requirements and develop an appropriate strategy for backup and recovery procedures. They learn how to use RMAN and Enterprise Manager to perform backup and recovery operations. Flashback features are described as an additional way to recover from human error. This Course includes Oracle Secure Backup, which supplies reliable tape backup of the database through direct integration with RMAN and also provides general file system backup to tape capabilities. Students install Oracle Secure Backup and use it to back up Oracle Database files and file system files. Learn To: Develop an effective backup and recovery strategy Perform backup and recovery operations using RMAN Install and configure Oracle Secure Backup for tape backup Use Oracle Secure Backup to back up database and file system files

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### Audiencia

Data Warehouse Administrator  
Database Administrators

### Prerequisitos

*Prerequisitos Requeridos*

Oracle9i Database Administration Fundamentals II

Oracle9i Database Administration Fundamentals I

Oracle Database 10g: Administration Workshop I Release 2

### Objetivos Del Curso

- Manage the Oracle Secure Backup environment
- Monitor and tune Recovery Manager
- Perform tablespace point-in-time recovery
- Create a duplicate database
- Create and manage a recovery catalog database
- Perform an encrypted database backup and restore
- Plan effective backup and recovery procedures
- Use Recovery Manager to create backups and perform recovery operations
- Use Oracle Flashback technologies to recover from human error
- Install Oracle Secure Backup
- Perform an Oracle-suggested backup to tape
- Use Oracle Secure Backup to perform a file system backup
- Use Oracle Secure Backup to perform a file system restoration

### **Introduction**

- Overview of backup methods
- Overview of recovery methods
- Backup and recovery strategies

### **Configuring for Recoverability**

- Configuring ARCHIVELOG mode
- Specifying a Retention Policy
- Configuring the Flash Recovery Area

### **Using RMAN to Create Backups**

- Configuring RMAN Persistent Settings
- Configuring Backup Optimization
- Enabling Fast Incremental Backup
- Creating an Oracle-suggested Backup
- Creating Duplex Backup Sets
- Configuring Control File Auto-backups
- Managing Backups

### **Using RMAN to Perform Recovery**

- Performing Complete Recovery
- Performing Recovery Using Incrementally Updated Backups
- Using the Flash Recovery Area for Fast Recovery
- Restoring and Recovering the Database on a New Host
- Restoring the Server Parameter File
- Restoring the Control File from Auto-backup

### **Using Oracle Flashback Technologies**

- Performing Flashback Table
- Flashing Back Dropped Tables
- Performing Flashback Versions Query
- Performing Flashback Transaction Query
- Configuring Flashback Database
- Performing Flashback Database

### **Using RMAN to Create a Duplicate Database**

- Creating an Initialization Parameter File for the Auxiliary Instance
- Creating a Duplicate Database
- Using Enterprise Manager to Create a Duplicate Database

### **Performing Tablespace Point-in-Time Recovery**

- Tablespace Point-in-time Recovery Architecture
- Determining the Recovery Set Tablespaces
- Performing Basic RMAN Tablespace Point-in-time Recovery
- Troubleshooting Tablespace Point-in-time Recovery

### **Using the RMAN Recovery Catalog**

- Configuring the Recovery Catalog Database
- Creating the Recovery Catalog Owner
- Creating the Recovery Catalog

- Registering a Database in the Recovery Catalog
- Cataloging Additional Backup Files
- Manually Re-synchronizing the Recovery Catalog
- Creating and Executing Stored Scripts

### **Monitoring and Tuning RMAN**

- Monitoring RMAN Sessions
- Monitoring RMAN Job Progress
- Interpreting RMAN Message Output
- Tuning RMAN Backup Performance

### **Oracle Secure Backup Overview**

- Oracle Secure Backup: Tape Management and Integration with Oracle Products
- Oracle Secure Backup Interface Options
- Media Management Expiration Policies
- Securing Data and Access to the Backup Domain

### **Install Oracle Secure Backup**

- Perform Pre-installation Tasks
- Perform Installation Tasks
- Configure the Administrative Server
- Configure Oracle Secure Backup Users

### **Use RMAN and Oracle Secure Backup**

- RMAN Database Backup to Tape
- Define Database Storage Selectors
- Back Up the Flash Recovery Area to Tape
- Perform Oracle-suggested Backup to Tape
- Manage Database Tape Backups

### **Back Up File System Files With Oracle Secure Backup**

- Manage Media Families
- Create Datasets
- Create Backup Windows
- Create Backup Schedules
- Create Backup Triggers
- Create On-Demand Backup Requests

### **Restore File System Backups with Oracle Secure Backup**

- Browse the Catalog for File System Backup Data
- Restore File System Data
- Create a Catalog-Based Restore Request
- Submit a Restore Request

### **Manage Oracle Secure Backup Security**

- Manage User Access Control
- Define an Oracle Secure Backup User
- Leverage Oracle Security Technology
- Administrative Server Certificate Authority (CA)
- Create Encrypted Backups
- Restore Encrypted Backups
- Perform Encrypted Recovery

## **Manage the Administrative Domain**

Managing Common Daemon Operations

Managing Policies and Defaults

Configuring Oracle Secure Backup Policies

Adding Clients, Media Servers, and Devices

Managing Devices and Volumes

Managing Jobs