

O940 - Oracle 9i Backup and Recovery

Course Objectives

This course is designed to give the Oracle 9i database administrator a firm foundation in backup and recovery tasks. The primary goal of the course is to give the DBA the skills and knowledge to set-up, maintain and troubleshoot an Oracle 9i backup and recovery scheme.

The enhancements and changes that have been introduced in 9i will be discussed during this course for the benefit of students to understand the full capability of the Oracle 9i RDBMS as well as for students who may be migrating plans from previous Oracle RDBMS versions.

Who Should Attend	Prerequisites	Duration
Oracle Database Administrators Oracle System Administrators Oracle Support Engineers	Oracle 9i DBA Part 1 Oracle 9i DBA Part 2 Oracle SQL Oracle PLSQL (recommended)	3 Days

Course Contents

Overview

Understanding the structures and processes for backup and recovery.
Introduce the different methods for backup and recovery
Diagnose and troubleshoot database problems.
Understand Oracle Recovery Manager

Considerations

Define requirements for backup and recovery strategy
Obtain management agreement for backup and recovery plan
Consider plan for disaster recovery
Identify the database configurations that support recovery

Backup and Recovery

Recovery structures and processes
Backup and recovery configuration
Types of failure and troubleshooting
Complete recovery
Incomplete media recovery
Export and import utilities
Test Recovery
ALTER DATABASE END
BACKUP

Oracle Recovery Manager

RMAN command line prompt
Recovery Manager architecture
Setting up Recovery Manager
Database space requirements and privileges
Creating and running backup and recovery scripts from RMAN
Using LIST and REPORT options from Recovery Manager
Crash Recovery workshop, Tips and tricks using Recovery Manager
Persistent Parameters
Block Level recovery

Enterprise Manager Utilities

Catalog Maintenance using Enterprise Manager
Creating an OEM Backup Configuration
LogMiner
Recovery Manager
Configurable Parameters

Standby Databases and Data Guard

Data Guard Features
Creating the Standby Database
Maintaining the Standby Database
Altering the Physical Structure
Failover without Data Guard
Failover Using Data Guard

Role Transitions using Data Guard
Data Guard Protection Modes
Logical Standby Databases
Creating a Logical Standby Database
Logical Standby Failover and Switchover
Data Guard Manager Line Mode
Data Guard Manager Using OEM