

O10401 – Oracle 10g Recovery Manager - RMAN

Course Objectives

This course is designed to give the Oracle 9i/10g database administrator a firm foundation in recovery methods using RMAN. Running as a combined course and workshop, we aim to provide the DBA with the necessary skills to backup, restore, recover, and understand the use of the RMAN tool.

Enhancements and changes introduced up to and including 10g will be discussed and covered during this course.

While applicable to those using Oracle 9i systems, the course is delivered using Oracle 10g unless specified.

Who Should Attend	Prerequisites	Duration
Oracle Database Administrators Oracle Systems Administrators Oracle Support Engineers	PC Fundamentals Oracle SQL Oracle 9i/10g DBA Fundamentals I	2 Days

Course Contents

Overview

Understanding the structures and processes involved in backup and recovery.

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
Creating the Recovery Catalog
Recovery Manager Commands
Connecting with and without a Recovery Catalog
Controlfile Information

Recovery Catalog Maintenance

Registering a Database
Resynch Catalog Command
Reset Database Command
Catalog Command
Re-creating the Recovery Catalog
Change Command
Crosscheck command
Recovery Catalog Reporting
Stored scripts
Run Command

Physical Backups Using Recovery Manager

Supported Backup Types
Allocating a Channel
Image Copies
Backup Sets
Full, Incremental, and Cumulative Backups
Backup Constraints
SPFILE and Controlfile Backups
Persistent Parameters
Duplication of databases using RMAN

Restore & Recovery Using RMAN

Restore a Database in NOARCHIVELOG Mode
Complete recovery in open and closed databases
Relocation of Datafiles: Disk Corruption
Incomplete Recovery of a Database to time, change or log sequence
Block Level Recovery

Enterprise Manager Utilities

Catalog Maintenance Using Enterprise Manager
Creating an OEM Backup
Configuration
OEM backup and recovery

Crash Recovery Workshop

Troubleshoot and recover Oracle databases using RMAN