

O1018 - Oracle 10g for 8i DBA's

Course Objectives

This course is intended to familiarise the Oracle 8i DBA with the new features of both Oracle 9i and Oracle 10g database, perhaps as part of a planned upgrade from 8i to 10g.

As well as offering the content of our 9i and 10g New Features courses, this course also discusses both the approach and issues concerned with the upgrade itself.

| Who Should Attend | Prerequisites | Duration |
|-------------------|-------------------------|----------|
| Oracle 8i DBA's | Oracle 8i DBA knowledge | 3 Days |

Course Contents

Manageability

Automatic Undo Management
 Oracle Managed Files
 Persistent Parameter Files
 Resumable Space Allocation
 DBMS_RESUMABLE Package
 Multiple Block Sizes
 Memory Management
 Automatic Segment Management
 Partitioning Enhancements
 Instance Management
 Other Manageability Improvements

Availability

LogMiner Enhancements
 FlashBack Query
 Online Data Evolution
 Availability/Recoverability
 Oracle DataGuard

Automatic Shared Memory Management (ASSM)

Manual Memory Allocation
 Setting up ASSM
 Non-dynamic SGA Buffers

Tablespace Management

Default Permanent Tablespace
 Rename Tablespace
 SYSAUX Tablespace

Scheduler

Programs/Schedules
 Jobs/Job Classes
 Windows
 Data Dictionary Views

Space Management

Segment Advisor
 Shrinking Segments

Undo Advisor
 Automatic Undo Retention
 Tuning

Improved VLDB Support

Bigfile Tablespaces
 Temporary Tablespace Groups
 Partitioning Enhancements and
 Index Organized Tables
 Unusable Indexes
 Hash partitioned global indexes

Automated Storage Management

ASM instances and database
 instances
 ASM Disk groups & files
 Data dictionary Views

Security Enhancements

Default User Management
 Fine Grained Auditing
 Virtual Private Database
 Enhancements
 Uniform Audit Trail
 DBMS_CRYPTO

Oracle Tools/Utilities

Flash Recovery Area
 Fast Incremental Backups
 Automatic Instance Creation for
 RMAN TSPITR
 Backupset Compression
 Limiting Backup Duration
 Enterprise Manager and DBCA
 Export, Import and Data Pump
 External Tables
 Cross-Platform Transportable
 Tablespaces

Automatic Workload Repository (AWR)

Automatic Statistics Collection
 Baselines
 Workload Repository Views
 AWR Reporting
 Feature Usage Metrics
 Active Session History (ASH)

Automatic Database Diagnostic Monitor (ADDM)

ADDM Reporting
 Server Alerts
 Related Views
 SQL Tuning Advisor

Miscellaneous Tuning Features

ETL Performance Enhancements
 Buffer cache flushing
 Optimizer Changes
 Gathering Data Dictionary Statistics

Flashback

Flashback Features
 Enabling Flashback
 Flashback Query
 Flashback Table
 Flashback Drop (Recycle Bin)
 Flashback Database

8i to 10g Installation & Upgrade

Using Export & Import to upgrade
 Upgrade tasks discussion
 Manual upgrade