O1109 – Oracle 11g for 9i DBA's

Course Objectives

This course is intended to familiarise the Oracle 9i DBA with new features of both 10g and 11g database, perhaps as part of a planned upgrade from Oracle 9i to Oracle 11g database.

Who Should Attend

Oracle 9i DBA's

Prerequisites

PC Fundamentals
Programming experience
Oracle 9i DBA experience

Duration

3 Days

Course Contents

Diagnostic Enhancements
Fault Management
Feature Based Patching
The Alert Log
Dump Files
Support Workbench
Health Checks

Shared Memory Management
Manual Memory Allocation
Setting up Automatic Shared Memory Management
Non-dynamic SGA Buffers
Tablespace Management
Default Permanent Tablespace
Rename Tablespace
SYSAUX Tablespace

Space Management
Segment Advisor
Improved Segment Size Estimation.
Shrinking Segments
Undo Advisor
Automatic Undo Retention Tuning.

Export & Import
Export, Import and Data Pump Directories and Files
Example of a Data Pump Job
Data Pump Features
Data Pump API
External Tables
Cross-Platform Transportable Tablespaces.

Flashback
Enabling Flashback
Flashback Query
Additional Query Functions
Flashback Version Query
Flashback Transaction Query
Flashback Table
Flashback Drop (Recycle Bin)
Flashback Database

Automated Storage Management
ASM Instances and Database Instances.
ASM Disk Groups
ASM Files
Data dictionary Views

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

ADDM
ADDM Reporting
Server Alerts
Related Views
Automatic SQL Tuning in Oracle Database 11g.
SQL Tuning Advisor
SQL Tuning Advisor Features

Miscellaneous Tuning Features
Buffer cache flushing
Optimizer Changes
Gathering Data Dictionary Statistics.

RMAN Enhancements
Flash Recovery Area
Fast Incremental Backups
Using Image Copies with Incremental Backups.
Image Copies and the BACKUP Command.
Catalog Maintenance
Automatic Instance Creation for RMAN TSPITR.
Global Stored Scripts
Backupset Compression
Restore Preview
Limiting Backup Duration
More Robust Backup and Restore.

Security: New Features
Security Enhancements
Secure Default Configuration
Enabling the Built-in Password Complexity Checker.
Managing Default Audits
Privileges Audited By Default
Adjusting Security Settings
Setting Security Parameters
Setting Database Administrator Authentication.

Intelligent Infrastructure
Moving Window Baseline
Baseline Templates
Generating Baseline for a Single Time Period.
Automatic Workload Repository Baselines.
Performance Monitoring and Baselines.
Automated Maintenance Tasks
Resource Manager: New EM Interface.

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