

Oracle 10G For Database Administrators

(Part II – Data Management & Networking (4-Day))

☒ Oracle 10g for Database Administrators (Part II – Data Management & Networking)

Having been on part 1 of the Oracle 10G DBA training, you are now ready to deal with advanced issues of data management and networking. Also in part 2 is a detailed session on performance monitoring and optimization of the database.

A real-world view of the training is adopted, to take the delegate past the training lab and into the world of business computing. Your contribution to the labs is highly valued in this respect. Feel free to discuss issues relating to your own businesses, especially where the class as a whole would benefit from seeing what problems, and options to solve them, exist outside the lab.

Should you need examples to help you get started with individual commands or collections of actions, a resource for DBA delegates has been provided in the form of a classroom CBT web site.

Please feel free to take this away with you on floppy disk, for your own personal use. Routines are included to facilitate the complete reconstruction of the classroom environment on a machine at work that you may wish to practice on.

Should you require training in more detail in any aspect of Oracle DBA, we are able to provide you with dedicated training in specialist areas such as backup and recovery, database security, performance management, and networking databases.

☒ Who should attend?

- You already have the basics of Oracle DBA and need to advance your DBA skills
- First and second line support
- Oracle developers wishing to know more about the underlying RDBMS
- Storage management specialists

☒ Prerequisites

Familiarity with the theory and practice of basic Oracle database administration. Attendance on Part 1 of Oracle 10G DBA Fundamentals is strongly recommended.

DURATION 4 DAYS
COURSE CODE c2O10GD-1

Course Content

☒ Bulk loading and unloading of data

SQL*LOADER; EXPORT/IMPORT; 10G data pump expdb and impdb; External tables

☒ Data storage

Tables and indexes; Partitioning; Clustering; Large objects (LOBs)

☒ Backup and Recovery

Backup and recovery strategy; Types of failure; Types of backup; Tuning Instance Recovery; Logging strategies; Multiple Archival Destinations and Processes; Describing User-Managed Backup and Recovery Operations; Performing Closed Database Backups; Performing Open Database Backups; Backing Up the Control File; Incomplete Recovery; Recovering from the Loss of Current Online Redo Logs; Recovery manager; Log Miner

☒ Performance and monitoring

Strategies; Analyze command; UTLBSTAT/UTLESTAT; The stages of an SQL statement; Query optimization; Explain plan; 10G cached execution plans; SQL Trace and TKPROF; Statspack; DBMS_STATS package; Buffer Cache flushing - user initiated ; Automated checkpoint tuning CPU Costing; Dynamic sampling; New and updated 10G Optimizer hints; SQL Access Advisor

☒ Oracle networking

Oracle Net server side configuration Configuring the Listener for IIOp and HTTP Connections; Oracle Net client side configuration; Connection Troubleshooting; Linked databases; Distributed transactions; Materialized views (AKA Snapshots); Advanced queuing.