

Wizards Training Inc.

ADVANCED ORACLE 10g DBA/RAC/DataGuard&RMAN

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm

Weekdays - Mon, Wed, Fri: 6.30pm – 9.30pm or Tue, Thu: 6.30pm – 9.30pm

ADVANCED ORACLE 10g DBA including RAC, Data guard and RMAN

DAY 1 – Architecture & Configuration

- 1.1 Instance V/S Database
- 1.2 Components of an instance
- 1.3 SGA V/S PGA
- 1.4 Background processes

DAY 2 –Installation & OFA

- 2.1 Linux Installation
- 2.2 PreInstallation checks
- 2.3 Oracle Software Installation
- 2.4 Creating Database using dbca

DAY 3 –SQL and Unix for DBA management

- 3.1 Creating Database using script
- 3.2 Review SQL and UNIX concepts
- 3.3 Database startup and shutdown process
- 3.4 Network components Listener, netca

DAY 4 – Memory and Space Management

- 4.1 Parameter file V/S spfile
- 4.2 Automatic Memory Management
- 4.3 Space Management LMTS, ASSM
- 4.4 Control file, UNDO and REDO management

DAY 5 –Oracle object management

- 5.1 Users, Roles and privileges
- 5.2 Tables, constraints, Indexes, views and Triggers
- 5.3 Oracle materialized views and Partitioned Tables

DAY 6 – Oracle Utilities

- 6.1 Data pump (Imp and exp utilities)
- 6.2 SQL*Loader
- 6.3 Flashback
- 6.4 Data Guard
- 6.5 Oracle DBA utilities – Oracle dbms packages (dbms_redefinition)

DAY 7 - Database Monitoring and Performance tuning

- 7.1 Dictionary and v\$ views
- 7.2 Table & index monitoring

Training Location: 1039 Sterling Road, Ste. 103, Herndon-VA-20151. USA.

Ph: 703-263-7278 Fax: 703-956-6769 training@wizardsedu.com

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7.3 workload & trend monitoring

7.5 Instance monitoring

7.6 using AWR for monitoring

7.7 OS Monitoring

7.7 Performance Management ADDM

7.8 SQL tuning. Instance tuning

DAY 8 – Backup and Recovery

8.1 OS-level backups, hot VS. Cold backups

8.2 Hardware-level backup & recovery

8.3 Block-level change tracking

8.5 Backup & recovery using RMAN

DAY 9 – Oracle RAC

8.1 RAC concepts and Internals

8.2 Software required

8.3 Using cluster verify to check pre prerequisites

8.4 Oracle RAC tools

DAY 10 – RAC Administration

10.1 Installing CRS

10.2 Creating RAC databases using ASM

10.3 RAC Performance Monitoring and Tuning

10.4 adding node to RAC

10.5 converting single node Database to RAC

DAY 11 – Oracle Data guard

11.1 Data Guard Introduction.

11.2 Data Guard Architecture.

11.3 Creating and Managing Standby Databases.

11.4 Managing with Data Guard Broker.

11.5 Performance Tuning Of Data Guard Configuration.

11.6 RMAN for Standby Database

DAY 12 – Oracle RMAN

12.1 RMAN concepts

12.2 RMAN with and with out catalog

12.3 RMAN Parameters

11.2 Back up using RMAN

11.2 Recovery using RMAN

11.3 RMAN for Standby Database

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