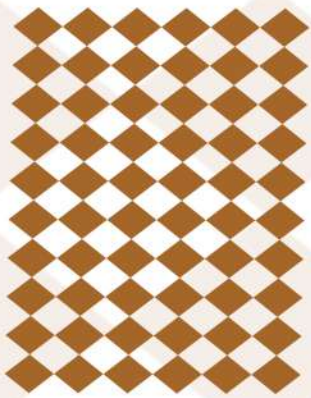


Oracle Database Administration II



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Online Course



Course Modules

1. Creating CDBs and Regular PDBs

- Configure and create a CDB
- Create a new PDB from the CDB seed
- Explore the structure of PDBs

2. Manage CDBs and PDBs

- Manage PDB service names and connections
- Manage startup, shutdown and availability of CDBs and PDBs
- Change the different modes and settings of PDBs
- Evaluate the impact of parameter value changes
- Performance management in CDBs and PDBs
- Control CDB and PDB resource usage with the Oracle Resource

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3. Backup and Duplicate

- Perform Backup and Recover CDBs and PDBs
- Duplicate an active PDB
- Duplicate a Database

4. Upgrading and Transporting CDBs and Regular PDBs

- Upgrade an Oracle Database
- Transport Data

5. Manage Application PDBs

- Explain the purpose of application root and application seed
- Define and create application PDBs
- Install, upgrade and Patch applications
- Create and administer Application PDBS
- Clone PDBs and Application containers
- Plug and unplug operations with PDBs and app containers
- Comparing Local Undo Mode and Shared Undo Mode

6. Manage Security in Multitenant databases

- Manage Security in Multitenant databases
- Manage PDB lockdown profiles
- Audit Users in CDBs and PDBs
- Manage other types of policies in application containers

7. Recovery and Flashback

- Restore and Recovering Databases with RMAN
- Perform CDB and PDB flashback

8. Backup Strategies and Terminology

- Perform Full and Incremental Backups and Recoveries
- Compress and Encrypt RMAN Backups
- Use a media manager
- Create multi-section backups of very large files
- Create duplexed backup sets
- Create archival backups
- Backup of recovery files
- Backup non database files
- Back up ASM meta data

9. Restore and Recovery Concepts

- Employ the best Oracle Database recovery technology
- Describe and use Recovery technology for Crash, Complete

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10. Using Flashback Technologies

- Configure your Database to support Flashback
- Perform flashback operations

11. Duplicating a Database

- Duplicate Databases

12. Configuring and Using RMAN

- Configure RMAN and the Database for Recoverability
- Configure and Using an RMAN recovery catalog

13. Diagnosing Failures

- Detect and repair database and database block corruption
- Diagnosing Database Issues

14. Performing Recovery

- Restore and Recovering Databases with RMAN
- Perform Non RMAN database recovery

15. Transporting Data

- Transport Data

16. RMAN Troubleshooting and Tuning

- Interpret the RMAN message output
- Diagnose RMAN performance issues

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17. Install Grid Infrastructure and Oracle Database

- Install Grid Infrastructure for a Standalone server
- Install Oracle Database software

18. Patching Grid Infrastructure and Oracle Database

- Patch Grid Infrastructure and Oracle Database

19. Upgrading to Oracle Grid Infrastructure

- Upgrade Oracle Grid Infrastructure

20. Oracle Database 18c: New Features

- Image and RPM based Database Installation

21. Creating an Oracle Database by using DBCA

- Create, Delete and Configure Databases using DBCA

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22. Oracle Restart

- Configure and use Oracle Restart to manage components

23. Upgrade the Oracle Database

- Plan for Upgrading an Oracle Database
- Upgrade an Oracle Database
- Perform Post-Upgrade tasks

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Oracle Database Administration II

24. Install Grid Infrastructure for a Standalone server

- Rapid Home Provisioning

25. Using General Overall Database Enhancements

- Install Oracle Database software
- Create, Delete and Configure Databases using DBCA
- Creating CDBs and Regular PDBs
- Use Miscellaneous 19c New Features

26. Using Availability Enhancements

- Use an RMAN recovery catalog
- Use Flashback Database

27. Using Diagnosability Enhancements

- Use new Diagnosability Features

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28. Monitoring and Tuning Database Performance

- Managing Memory Components
- Understanding The Automatic Workload Repository (AWR)
- Understanding The Advisory Framework
- Monitoring Wait Events, Sessions, and Services
- Managing Metric Thresholds and Alerts
- Understanding & Using The Performance Tuning Methodology
- Performing Performance Planning
- Understanding The Automatic Database Diagnostic Monitor

29. Tuning SQL Statements

- Understanding The Oracle Optimizer
- Using The SQL Tuning Advisor
- Managing Optimizer Statistics
- Using The SQL Access Advisor
- Understanding The SQL Tuning Process

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