

Oracle Database 12C: Advanced Administration - 1Z0-063

Backup and Recovery

Explain Oracle backup and recovery solutions

- Describe types of database failures
- Describe the tools available for backup and recovery tasks
- Describe RMAN and maximum availability architecture
- Use RMAN stand-alone and job commands

Performing Basic Backup and Recovery

- Back up and recover a NOARCHIVELOG database
 - Perform backup and recovery in NOARCHIVELOG mode
 - Use SQL in RMAN

Configuring for Recoverability

- Configure and manage RMAN settings
 - Configure persistent settings for RMAN
 - View persistent settings
 - Specify a retention policy
- Configure the Fast Recovery Area
 - Explain the Fast Recovery Area
 - Configure the Fast Recovery Area
- Configure control files and redo log files for recoverability
 - Multiplex control files
 - Multiplex redo log files

Using the RMAN Recovery Catalog

- Create and use an RMAN recovery catalog
 - Configure a recovery catalog
 - Register target databases in a recovery catalog
 - Catalog additional backup files
 - Resynchronize a recovery catalog
 - Use and maintain RMAN stored scripts
 - Upgrade and drop a recovery catalog
- Protect the RMAN recovery catalog
 - Back up the recovery catalog

Indiaoptions

Kochi:Deshabhimani Junction,Kaloor,Cochin-17 Ph:0484-2725500/09

Softwares Pvt Ltd

Thrissur:2nd floor,Sreekrishna Towers,M G Road,Ph:0487-2329300

ISO 9001:2008 Certified

email: info@indiaoptions.in

website: www.indiaoptions.in

- Re-create an unrecoverable recovery catalog
- Export and import the recovery catalog

Implementing Backup Strategies

- Use various RMAN backup types and strategies
 - Enable ARCHIVELOG mode
 - Create tape and disk based backups
 - Create whole database backups
 - Create consistent and inconsistent backups
 - Create backup sets and image copies
 - Create backups of read-only table spaces
 - Employ best practices for data warehouse backups

Performing Backups

- Perform full and incremental backups
 - Create full and incremental backups
 - Use the Oracle-suggested backup strategy
- Manage backups
 - Configure and monitor block change tracking
 - Report on backups using LIST, REPORT commands
 - Manage backups using CROSSCHECK, DELETE commands

Configuring RMAN Backup Options and Creating Backup of Non-Database Files

- Use techniques to improve backups
 - Create compressed backups
 - Create multi-section backups of very large files
 - Create proxy copies
 - Create duplexed backup sets
 - Create backups of backup sets
 - Create archival backups
- Perform backup of non-database files
 - Back up a control file to trace
 - Back up archived redo log files

Using RMAN-Encrypted Backups

- Create RMAN-encrypted backups
 - Use transparent-mode encryption
 - Use password-mode encryption
 - Use dual-mode encryption

Indiaoptions

Kochi:Deshabhimani Junction,Kaloor,Cochin-17 Ph:0484-2725500/09

Softwares Pvt Ltd

Thrissur:2nd floor,Sreekrishna Towers,M G Road,Ph:0487-2329300

ISO 9001:2008 Certified

email: info@indiaoptions.in

website:www.indiaoptions.in

- Restore encrypted backups

Diagnosing Failures

- Describe the Automatic Diagnostic Repository
- Use the Data Recovery Advisor
- Handle block corruption

Performing Restore and Recovery Operations

- Describe and tune instance recovery
- Perform complete and incomplete recovery
 - Use RMAN RESTORE and RECOVER commands
 - Restore ASM disk groups
 - Recover from media failures
 - Perform complete and incomplete or “point-in-time” recoveries using RMAN

Recovering Files Using RMAN

- Perform recovery for spfile, control file, redo log files
- Perform table recovery from backups
- Perform recovery of index and read-only tablespaces, temp file
- Restore a database to a new host

Using Oracle Secure Backup

- Configure and use Oracle Secure Backup

Using Flashback Technologies

- Describe the Flashback technologies
 - Configure a database to use Flashback technologies
 - Guarantee undo retention
- Use Flashback to query data
 - Use Flashback Query
 - Use Flashback Version Query
 - Use Flashback Transaction Query
 - Flash back a transaction
- Perform Flashback Table operations
 - Perform Flashback Table
 - Restore tables from the recycle bin
- Describe and use Flashback Data Archive
 - Use Flashback Data Archive
 - Use DBMS_FLASHBACK_ARCHIVE package

Using Flashback Database

Indiaoptions

Kochi:Deshabhimani Junction,Kaloor,Cochin-17 Ph:0484-2725500/09

Softwares Pvt Ltd

Thrissur:2nd floor,Sreekrishna Towers,M G Road,Ph:0487-2329300

ISO 9001:2008 Certified

email: info@indiaoptions.in

website: www.indiaoptions.in

- Perform Flashback Database
 - Configure Flashback Database
 - Perform Flashback Database

Transporting Data

- Describe and use transportable tablespaces and databases
 - Transport tablespaces between databases using image copies or backup sets
 - Transport databases using data files or backup sets
 - Transport data across platforms

Monitoring and Tuning of RMAN Operations

- Tune RMAN performance
 - Interpret RMAN error stacks
 - Diagnose performance bottlenecks
 - Tune RMAN backup performance

Managing Pluggable and Container Databases

Introduction

Multitenant Container and Pluggable Database Architecture

- Describe the multitenant container database architecture
- Explain pluggable database provisioning

Creating Multitenant Container and Pluggable Databases

- Configure and create a CDB
- Create a PDB using different methods
- Unplug and drop a PDB
- Migrate a non-CDB database to PDB

Managing a CDB and PDBs

- Establish connections to CDB/PDB
- Start up and shut down a CDB and open and close PDBs
- Evaluate the impact of parameter value changes

Managing Storage in a CDB and PDBs

- Manage permanent and temporary tablespaces in CDB and PDBs

Managing Security in a CDB and PDBs

- Manage common and local users
- Manage common and local privileges
- Manage common and local roles
- Enable common users to access data in specific PDBs

Managing Performance

Indiaoptions

Kochi:Deshabhimani Junction,Kaloor,Cochin-17 Ph:0484-2725500/09

Softwares Pvt Ltd

Thrissur:2nd floor,Sreekrishna Towers,M G Road,Ph:0487-2329300

ISO 9001:2008 Certified

email: info@indiaoptions.in

website: www.indiaoptions.in

IndiaOptions

Softwares Private Limited

- Monitor operations and performance in a CDB and PDBs
- Manage allocation of resources between PDBs and within a PDB
- Perform Database Replay

Moving Data, Performing Security Operations and Interacting with Other Oracle Products

- Use Data Pump
- Use SQL*Loader

Indiaoptions

Kochi:Deshabhimani Junction,Kaloor,Cochin-17 Ph:0484-2725500/09

Softwares Pvt Ltd

Thrissur:2nd floor,Sreekrishna Towers,M G Road,Ph:0487-2329300

ISO 9001:2008 Certified

email: info@indiaoptions.in

website:www.indiaoptions.in

Batch Timing:7-9 am/9 am-1pm/1.30-5.30pm/6-8pm/Saturday & Sunday only/Sunday only