

Course Outline

Oracle Database 19c Backup and Recovery Course TTOR20619: 3 days Instructor Led

About this course

Geared for DBAs and other technical support staff, Oracle Database 19c Backup and Recovery is a hands-on course that allows you to develop appropriate backup and recovery procedures to address their business model and requirements. Throughout the course you'll explore how to implement basic backup and recovery procedures, move data between databases and files, and employ basic monitoring procedures. You'll also learn how to secure the availability of a database by using appropriate backup and recovery strategies, how to perform backup and recovery operations using RMAN, and how to use Flashback features to recover from human error.

Audience profile

This hands-on course is geared for experienced DBAs already working with Oracle. Incoming students should possess:

- Knowledge of SQL basics
- Knowledge of Oracle Database 18c or newer
- Linux skills, including familiarity with command-line options such as ls, cd, cp, and su

At course completion

After completing this course, students will be able to:

- Implement backup and recovery settings and perform backup operations to the media of your choice.
- Move data between databases and files
- Use Oracle Database recovery processes to recover from media and other failures.
- Diagnose and repair data failures
- Use flashback technologies and data duplication to complement backup and recovery procedures
- Secure the availability of their database using backup and recovery strategies

Course Outline

1. Backup Methods

- User Managed Backups
- Oracle Managed Backups Types of Failures
- Types of Recoveries

2. Recovery Configuration

- Configuring the Database for Archivelog
- Configuring the Database for No-Archivelog
- Configuring the Flash Recovery Area

3. Configuring RMAN

- RMAN Default Settings
- Command Line
- Enterprise Manager

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4. RMAN Backups

- Full RMAN Backup
- Compressed Backups
- Uncompressed Backups
- Partial RMAN Backup
- Incremental Backups
- Change Tracking File

5. Managing Backups

- Backup Reports
- Backup Maintenance
- Backup Catalog
- Backup Crosscheck

6. RMAN Complete Recovery

- RMAN Complete Recovery
- Database Recovery
- Tablespace Recovery
- Datafile Recovery

7. RMAN In-Complete Recovery

- Time Based Recovery
- Sequence Based Recovery
- SCN Based Recovery

8. Non-Database File Recovery

- Spfile Recovery
- Controlfile Recovery
- Incremental Recovery
- Flash Recovery Area for a Fast Recovery

9. User Managed Backup

- Configuring User Managed Backups
- Perform a User Managed Backup

10. User Managed Recovery

- User Managed Complete Recovery
- User Managed Incomplete Recovery

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11. Configuring Flashback

- Flashback Query
- Flashback Drop
- Flashback Database

12. Performing Flashback Recoveries

- Flashback Query
- Flashback Drop
- Flashback Transaction Query
- Flashback Versions Query

13. Performing Flashback Database

- Determining the FRA Size
- FRA Retention
- Performing a Flashback Database

14. RMAN Duplicate Command

- Setting up for a Duplicate Database
- Creating the Duplicate spfiles
- Performing the Duplicate Command.

15. RMAN Recovery Catalog

- Configuring for the Recovery Catalog
- Creating the Recovery Catalog

16. Backups with the Recovery Catalog

- Registering the Database with the Recovery Catalog
- Performing Backups with the Recovery Catalog

17. Recoveries with the Recovery Catalog

- Identifying Type of Recoveries with the Recovery Catalog
- Performing Recoveries with the Recovery Catalog

18. Recovery Catalog Maintenance

- Registering Additional Databases with the Recovery Catalog
- Cataloging Additional Backups with the Recovery Catalog
- Recovery Catalog Scripts

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19. **DataPump**

- Configuring Datapump
- DataPump Exports
- DataPump Imports

20. **Tuning RMAN**

- RMAN Sessions
- RMAN Channels
- RMAN Job Progress