

# Oracle 19c Database Backup and Recovery - TTOR21619

Implement Backup and Recovery Settings, Diagnose and Repair Data Failures, Secure Database Availability and More

**Duration:** 3 Days

**Skill Level:** Intermediate

**Available Format:** Instructor-Led Online; Instructor-Led, Onsite In Person ; Blended; On Public Schedule

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.

## What You'll Learn

### Overview

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.

**NOTE: This training is NOT Official Oracle University training.** This is independent, adjustable content that aligns with current topics, skills and tools that participants need to excel in these areas. This course is for 19c.

## Objectives

This course combines expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Working in a hands-on learning environment led by our expert facilitator, you'll learn how 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

## Audience

The Oracle Database 19c Backup and Recovery with RMAN course is designed for database administrators, data warehouse administrators and technical support staff who are required to plan and implement database backup and recovery strategies for Oracle databases

## Pre-Requisites

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

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

**Take Before:** Attendees should have skills equivalent to or should have attended this course as a pre-requisite:

- TTOR20519 Oracle 19c Database Administration I (Oracle DBA I)

## Agenda

*Please note that this list of topics is based on our standard course offering, evolved from typical industry uses and trends. We'll work with you to tune this course and level*

*of coverage to target the skills you need most. Topics, agenda and labs are subject to change, and may adjust during live delivery based on audience interests, skill-level and participation.*

## **Backup methods**

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

## **Recovery Configuration**

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

## **Configuring RMAN**

- RMAN Default Settings
- Command Line
- Enterprise Manager

## **RMAN Backups**

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

## **Managing Backups**

- Backup Reports

- Backup Maintenance
- Backup Catalog
- Backup Crosscheck

### **RMAN Complete Recovery**

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

### **RMAN In-Complete Recovery**

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

### **Non-Database File Recovery**

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

### **User Managed Backup**

- Configuring User Managed Backups
- Perform a User Managed Backup

### **User Managed Recovery**

- User Managed Complete Recovery
- User Managed Incomplete Recovery

## **Configuring Flashback**

- Flashback Query
- Flashback Drop
- Flashback Database

## **Performing Flashback Recoveries**

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

## **Performing Flashback Database**

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

## **RMAN Duplicate Command**

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

## **RMAN Recovery Catalog**

- Configuring for the Recovery Catalog
- Creating the Recovery Catalog

## **Backups with the Recovery Catalog**

- Registering the Database with the Recovery Catalog

- Performing Backups with the Recovery Catalog

### **Recoveries with the Recovery Catalog**

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

### **Recovery Catalog Maintenance**

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

### **DataPump**

- Configuring Datapump
- DataPump Exports
- DataPump Imports

### **Tuning RMAN**

- RMAN Sessions
- RMAN Channels
- RMAN Job Progress

## **Related Courses**

TTOR12019	Oracle 19c PL/SQL Fundamentals
TTOR20719	Oracle 19c Database Multitenant Architecture

All course software (limited versions, for course use only), digital courseware files or course notes, labs / data sets and solutions (as applicable) are provided for you in our “easy access / no install required” high-speed remote lab environment. Our tech team works with every student to ensure everyone is set up with working access and ready to go prior to every course start date, ensuring a smooth delivery and great hands-on experience. Please ask for details.

## For More Information

Please [contact us](#) or call 844-475-4559 toll free for more information about our training services (instructor-led, self-paced or blended), coaching and mentoring services, public course enrollment or questions, partner programs, courseware licensing options and more.