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Database Duplication Overview

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Objectives



After completing this lesson, you should be able to:

- List the purposes of creating a duplicate database
- Choose a technique for duplicating a database

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Using a Duplicate Database

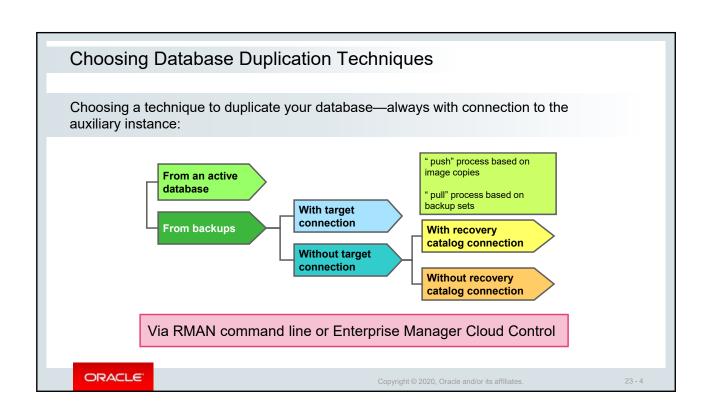
- Use a duplicate database to:
 - Test backup and recovery procedures
 - Recover objects by creating an export and importing the objects into the production database
- Create a duplicate database:
 - With the RMAN DUPLICATE command
 - On the same or separate hosts
 - With the identical content or subset of source
 - Performed by auxiliary channels for backup-based duplication

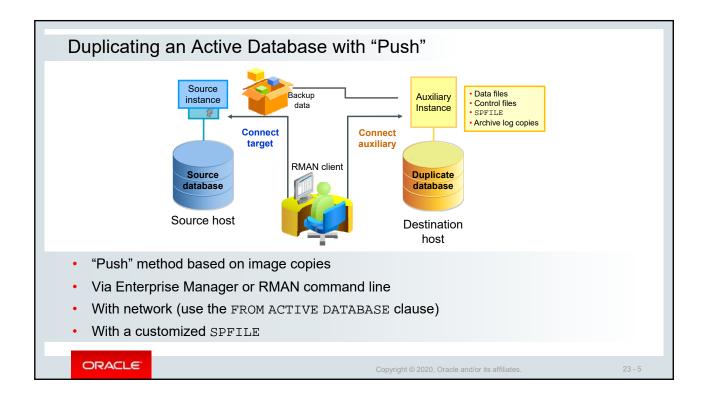


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Comparing the "Push" and "Pull" Methods of Duplication The push process is based on image copies. The pull process is based on backup sets. RMAN uses the pull method when it finds: USING BACKUPSET SECTION SIZE Encryption Compression The pull method requires connections to target and auxiliary instances. RMAN> SET ENCRYPTION ...; RMAN> DUPLICATE TARGET DATABASE TO orcldb FROM ACTIVE DATABASE [USING BACKUPSET] [SECTION SIZE ...] [USING COMPRESSED BACKUPSET] ORACLE

Duplicating a Database with a Target Connection RMAN connects to the target (source database instance). RMAN connects to the auxiliary instance. Source Auxiliary RMAN Instance instance backups Connect Connect auxiliary target Source **Duplicate** database database Source host Destination host **RMAN** client ORACLE Copyright © 2020, Oracle and/or its affiliates

