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Using Optional Backup Features

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Objectives



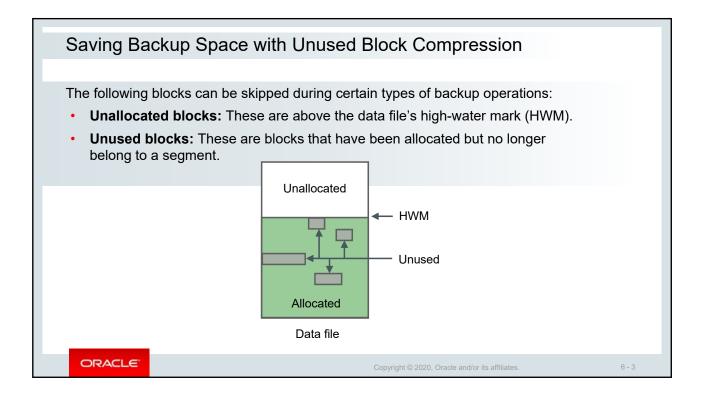
After completing this lesson, you should be able to:

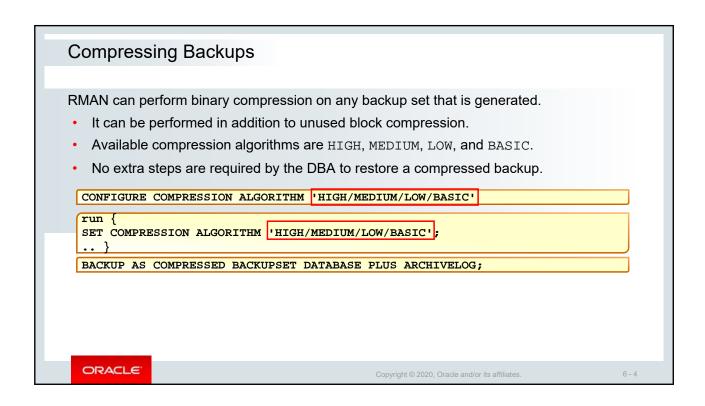
- Compress backups
- Create multisection backups of very large files
- Create proxy copies
- · Create duplexed backup sets
- · Create archival backups

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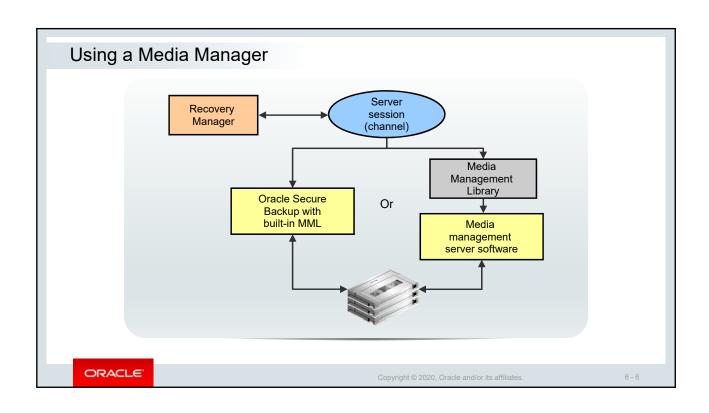
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Compression Ratio or Level	Considerations	Requires Advanced Compression Option
LOW	Fastest. Best suited to address backup: CPU resources.	1
MEDIUM	Fast. Good balance of CPU usage and compression ratio.	1
HIGH	Best compression ratio at the expense of high CPU consumption. Best suited to address backup constraint: network.	\checkmark
BASIC	Fair. Compression ratio similar to MEDIUM at expense of additional CPU usage. Compression ratio between MEDIUM and HIGH.	✓



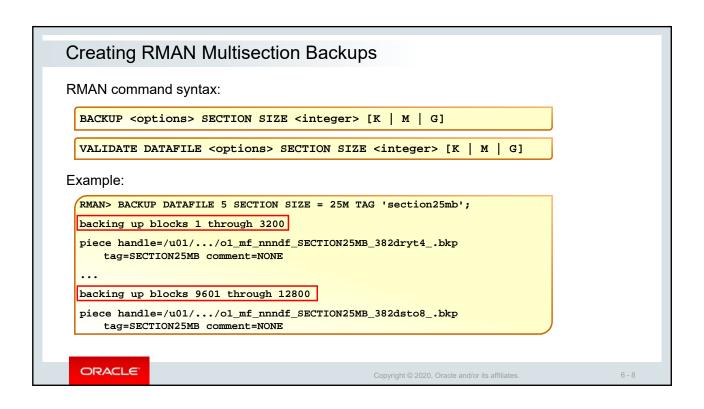
Configuring Backup and Restore for Very Large Files Multisection backups of a single file: Are created by RMAN, with your specified size value Are processed independently (serially or in parallel) Produce multipiece backup sets and image copies Improve performance of the backup Channel 1 Section 1 Channel 2 Section 2 Channel 3 Section 3 Channel 4 Section 4 One large data file

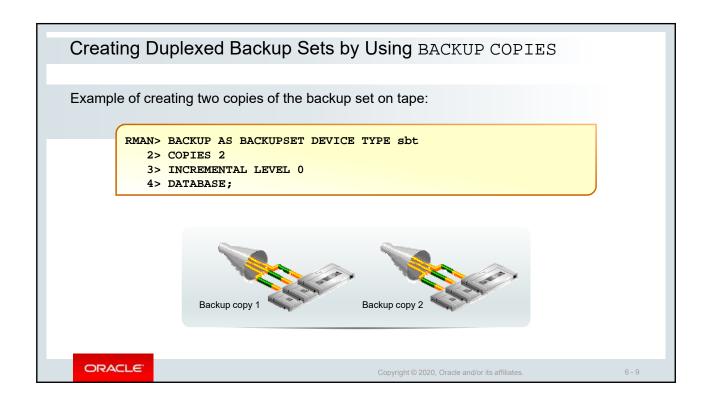
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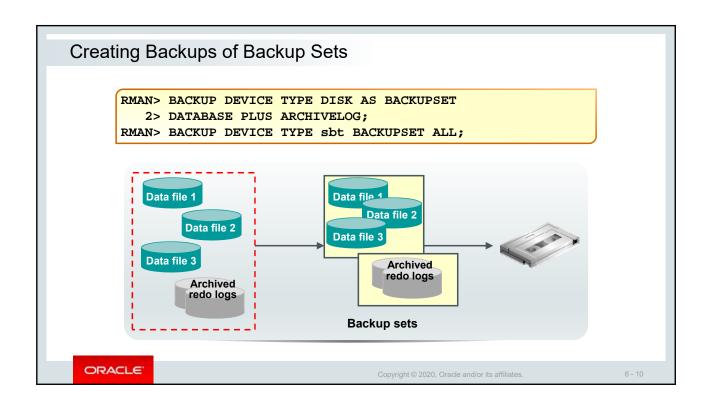
Multipiece backup set

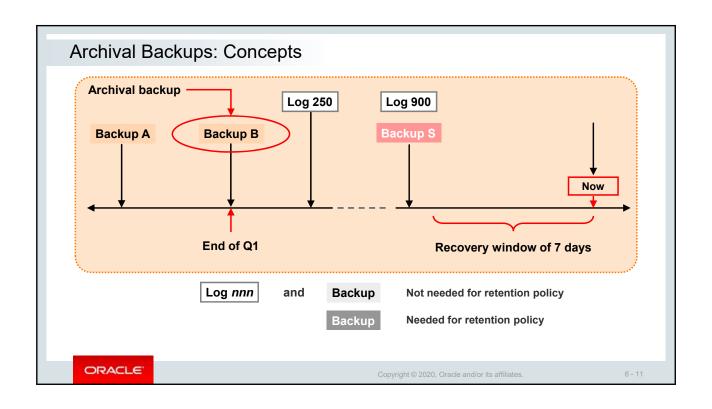
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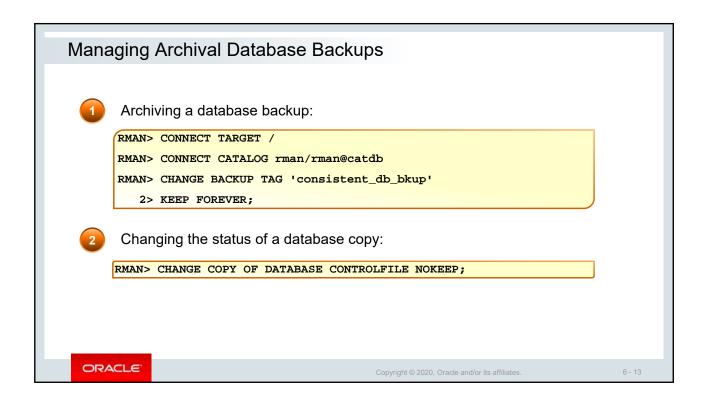


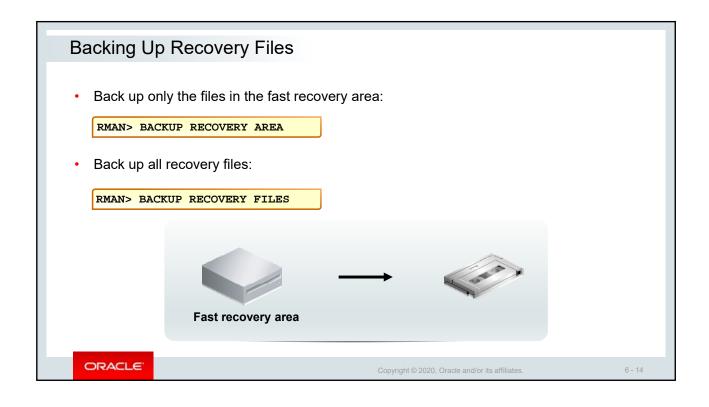






Creating Archival Backups with RMAN • Specifying the KEEP clause when the database is online includes both data file and archive log backup sets: KEEP {FOREVER | UNTIL TIME [=] ' date_string '} NOKEEP [RESTORE POINT rsname] • List all restore points known to the RMAN repository: LIST RESTORE POINT ALL; • Display a specific restore point: LIST RESTORE POINT 'rsname';





Summary

In this lesson, you should have learned how to:

- Compress backups
- · Create multisection backups of very large files
- Create proxy copies
- · Create duplexed backup sets
- Create archival backups



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Practice Overview

Creating an Archival Backup

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