



Comparison of copy-free transition and copy-based transition

ONTAP 7-Mode Transition

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Table of Contents

Comparison of copy-free transition and copy-based transition 1

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You can use the 7-Mode Transition Tool to migrate your data and configurations from 7-Mode to ONTAP by using either copy-based transition or copy-free transition. It is important to understand the differences between the two methods before transition.

Parameter	Copy-free transition	Copy-based transition
Unit of transition	HA pair	Group of volumes
Hardware requirement	Disk shelves are reused	New disks shelves and disks to host the transitioned volumes
Platform requirement	Supported only on mid-level and high-level platforms NetApp Interoperability Matrix Tool	Supported on all platforms
Transition duration	Overall, shorter transition duration (no data copy required)	Longer duration (initial baseline and update transfer time varies based on workload, network bandwidth, and data capacity being migrated)

Parameter	Copy-free transition	Copy-based transition
Disruption to data access	<p data-bbox="589 153 849 191">In the range of hours</p> <div data-bbox="621 636 675 688" style="border: 1px solid black; border-radius: 50%; width: 25px; height: 25px; display: flex; align-items: center; justify-content: center; margin: 10px 0;"> i </div> <p data-bbox="735 237 995 1087">In most cases, the storage cutover time can be 3 through 8 hours. Cutover time includes the time taken by the tool to perform two automated operations—the export and halt operation and the import operation—as well as the time taken for manually cabling the disk shelves to the new controllers. The export and halt operation and the import operation together can take up to 2 hours. Cabling of the disk shelves can take from 1 hour through 6 hours.</p> <p data-bbox="589 1136 1016 1335">This cutover time guidance does not include the time taken for the required preproduction testing and assumes an error-free transition without unexpected failures such as a disk failure.</p>	In the range of minutes

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