



Decide whether to use the aggregate relocation guide

ONTAP Systems

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Table of Contents

Decide whether to use the aggregate relocation guide 1

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This guide describes how to upgrade the storage controllers in an HA pair with new controllers while keeping all the existing data and disks. This is a complex procedure that should be used only by experienced administrators.

You should use this guide under the following circumstances:

- You are running ONTAP 9.8.
- You do not want to add the new controllers as a new HA pair to the cluster and migrate the data using volume moves.
- You are experienced in administering ONTAP and are comfortable with the risks of working in the diagnostic privilege mode.
- If you are upgrading a MetroCluster configuration, it is a 4-node or higher FC configuration, and all nodes are running ONTAP 9.8.

For upgrading MetroCluster IP configurations, refer to the [MetroCluster Upgrade, Transition, and Expansion Guide](#).



You can use NetApp Storage Encryption (NSE) and NetApp Volume Encryption (NVE) with this procedure.

The following table shows the supported model matrix for the controller upgrade.

Old controller	Replacement controller
FAS8020, FAS8040, FAS8060, FAS8080	FAS8200, FAS8300, FAS8700, FAS9000
AFF8020, AFF8040, AFF8060, AFF8080	AFF A300, AFF A400, AFF A700, AFF A800*
FAS8200	FAS8700, FAS9000, FAS8300
AFF A300	AFF A700, AFF A800*, AFF A400



If your controller upgrade model combination is not in the above table, contact technical support.

- For the additional steps needed for A800 systems, go to the step that references A800 in section [Check and configure UTA/UTA2 ports on node3, step 23](#), or [Check and configure UTA/UTA2 ports on node4, step 23](#).

If you prefer a different method of upgrading the controller hardware and are willing to do volume moves, use the [Controller Hardware Upgrade Express Guide](#) instead. See the [ONTAP 9 Documentation Center](#) to access ONTAP 9 product documentation.

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