Where to find procedures for MetroCluster maintenance tasks

ONTAP MetroCluster

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You should be sure you select the correct procedure when you perform MetroCluster hardware maintenance tasks.

With the release of ONTAP 9.8, the MetroCluster upgrade and expansion procedures have moved to the MetroCluster Upgrade and Expansion Guide and MetroCluster Transition Guide.

Component	MetroCluster type (FC or IP)	Task	Procedure
ONTAP software	Both	ONTAP software upgrade	Upgrade, revert, or downgrade
Controller module	Both	FRU replacement (including controller modules, PCIe cards, FC-VI card, and so on) Moving a storage controller module or NVRAM card among the MetroCluster storage systems is not supported.	AFF and FAS Documentation Center
		Upgrade and expansion	MetroCluster® Upgrade and Expansion Guide
		Transition from FC to IP connectivity	MetroCluster® Transition Guide

Component	MetroCluster type (FC or IP)	Task	Procedure
Drive shelf	FC	Shelf addition (stack with bridges or individual shelf)	Hot-adding a stack of SAS disk shelves to an existing pair of FibreBridge 7500N bridges Hot-adding a stack of SAS disk shelves and bridges to a MetroCluster system Hot-adding a SAS disk shelf to a stack of SAS disk shelves
	FC	Shelf removal	Hot-removing storage from a MetroCluster FC configuration
	FC	All other shelf maintenance procedures. The standard procedures can be used.	Service Guide for DS460C DS224C and DS212C Disk Shelves
	IP	All shelf maintenance procedures. The standard procedures can be used. If adding shelves for an unmirrored aggregate, see Considerations when using unmirrored aggregates	Service Guide for DS460C DS224C and DS212C Disk Shelves
	Both	Hot adding IOM12 shelves to a stack of IOM6 shelves	Hot-adding shelves with IOM12 modules to a stack of shelves with IOM6 modules

Component	MetroCluster type (FC or IP)	Task	Procedure
FC-to-SAS bridge	FC	Bridge replacement	Replacing a single FC-to-SAS bridge Replacing a pair of FibreBridge 6500N bridges with 7600N or 7500N bridges Hot-swapping a FibreBridge 7500N with a 7600N bridge
	FC	Firmware upgrade	Updating the firmware on a FibreBridge bridge
	FC	Replacing a failed power supply module	Hot-replacing a failed power supply module
FC switch	FC	Switch upgrade	Upgrading to new Brocade FC switches
	FC	Switch replacement	Replacing a Brocade FC switch (MetroCluster) Replacing a Cisco FC switch
	FC	Firmware upgrade	Updating firmware on a Brocade FC switch Updating firmware on a Cisco FC switch

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