

MetroCluster failure and recovery scenarios

ONTAP MetroCluster

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You should be aware of how the MetroCluster configuration responds to different failure events.



For additional information about recovery from node failures, see the section "Choosing the correct recovery procedure" in the MetroCluster Management and Disaster Recovery Guide.

Event	Impact	Recovery
Single node failure	A failover is triggered.	The configuration recovers through a local takeover. RAID is not impacted. Review system messages and replace failed FRUs as necessary. AFF and FAS Documentation Center
Two nodes fail at one site	automated switchover is enabled in	Manual USO if automated switchover in MetroCluster Tiebreaker software is not enabled. AFF and FAS Documentation Center
MetroCluster IP interface—failure of one port	The system is degraded. Additional port failure impacts HA mirroring.	The second port is used. Health Monitor generates an alert if the physical link to the port is broken. Review system messages and replace failed FRUs as necessary. AFF and FAS Documentation Center
MetroCluster IP interface—failure of both ports	HA capability is impacted. RAID SyncMirror of the node stops syncing.	-
Failure of one MetroCluster IP switch	No impact. Redundancy is provided through the second network.	Replace the failed switch as necessary. Replacing an IP switch

Event	Impact	Recovery
Failure of two MetroCluster IP switches that are in the same network	No impact. Redundancy is provided through the second network.	Replace the failed switch as necessary. Replacing an IP switch
Failure of two MetroCluster IP switches that are at one site	RAID SyncMirror of the node stops syncing. HA capability is impacted and the cluster goes out of quorum.	·
Failure of two MetroCluster IP switches that are at different sites and not on the same network (diagonal failure)	, ,	RAID SyncMirror of the node stops syncing. Cluster and HA capability are not impacted. Replace the failed switch as necessary. Replacing an IP switch

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