



Example of cabling storage array ports to FC switches in a four-node MetroCluster configuration

ONTAP MetroCluster

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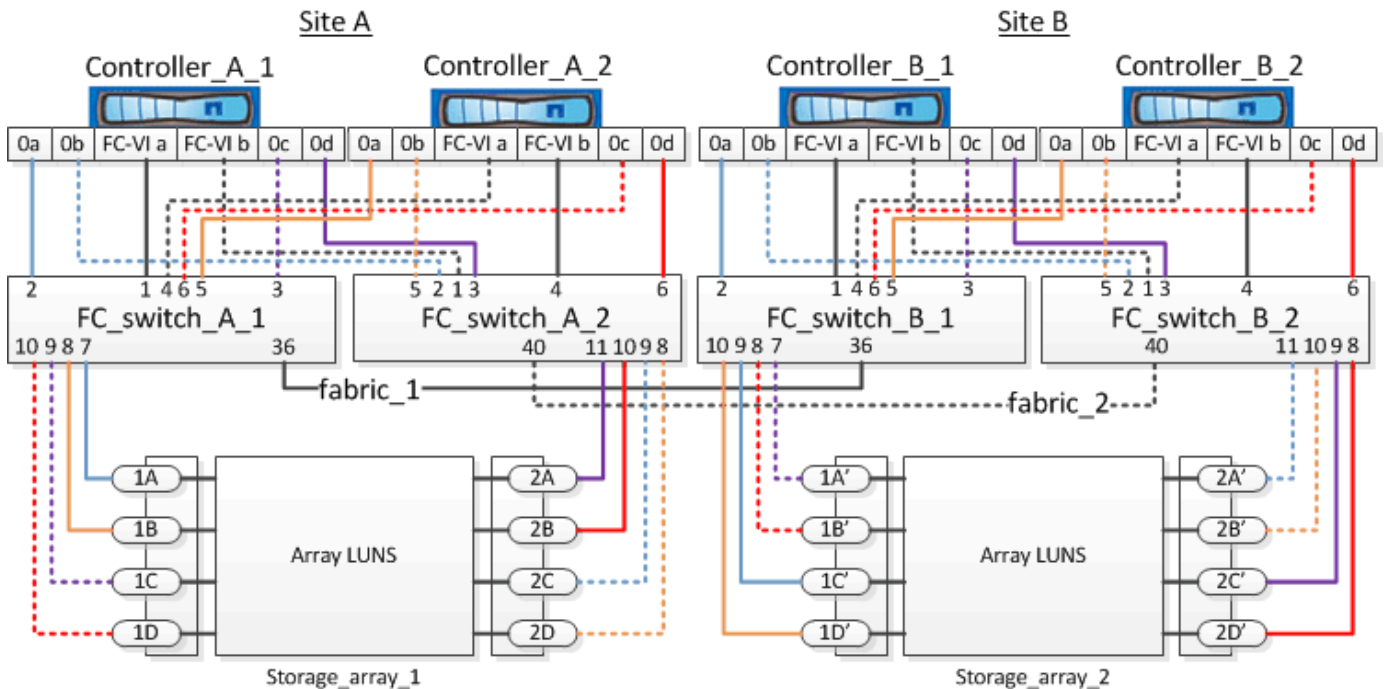
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Example of cabling storage array ports to FC switches in a four-node MetroCluster configuration

In a MetroCluster configuration with array LUNs, you must connect the storage array ports that form a redundant port pair to alternate FC switches.

The following reference illustration shows the connections between storage arrays and FC switches in a four-node MetroCluster configuration with array LUNs:



If you plan to use disks in addition to array LUNs in your MetroCluster configuration, you must use the switch ports specified for the configuration with disks.

Port assignments for FC switches when using ONTAP 9.1 and later

In the illustration, the redundant array port pairs for both the sites are as follows:

- Storage array at Site A:
 - Ports 1A and 2A
 - Ports 1B and 2B
 - Ports 1C and 2C
 - Ports 1D and 2D
- Storage array at Site B:
 - Ports 1A' and 2A'
 - Ports 1B' and 2B'
 - Ports 1C' and 2C'

- Ports 1D' and 2D'

FC_switch_A_1 at Site A and FC_switch_B_1 at Site B are connected to form fabric_1. Similarly, FC_switch_A_2 at Site A and FC_switch_B_2 are connected to form fabric_2.

The following table lists the connections between the storage array ports and the FC switches for the MetroCluster illustration:

Array LUN ports	FC switch ports	Switch fabrics
Site A		
1A	FC_switch_A_1, Port 7	fabric_1
2A	FC_switch_A_2, Port 11	fabric_2
1B	FC_switch_A_1, Port 8	fabric_1
2B	FC_switch_A_2, Port 10	fabric_2
1C	FC_switch_A_1, Port 9	fabric_1
2C	FC_switch_A_2, Port 9	fabric_2
1D	FC_switch_A_1, Port 10	fabric_1
2D	FC_switch_A_2, Port 8	fabric_2
Site B		
1A'	FC_switch_B_1, Port 7	fabric_1
2A'	FC_switch_B_2, Port 11	fabric_2
1B'	FC_switch_B_1, Port 8	fabric_1
2B'	FC_switch_B_2, Port 10	fabric_2
1C'	FC_switch_B_1, Port 9	fabric_1
2C'	FC_switch_B_2, Port 9	fabric_2
1D'	FC_switch_B_1, Port 10	fabric_1
2D'	FC_switch_B_2, Port 8	fabric_2

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