



# **Cabling the FC-VI and HBA ports in an eight-node fabric-attached MetroCluster configuration with array LUNs**

## **ONTAP MetroCluster**

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# Cabling the FC-VI and HBA ports in an eight-node fabric-attached MetroCluster configuration with array LUNs

If you are setting up an eight-node fabric-attached MetroCluster configuration with array LUNs, you must cable the FC-VI ports and the HBA ports to the switch ports.

- You must repeat this task for each controller at both of the MetroCluster sites.
- If you plan to use disks in addition to array LUNs in your MetroCluster configuration, you must use the HBA ports and switch ports specified for configuration with disks.
  - [Port assignments for FC switches when using ONTAP 9.1 and later](#)
  - [Port assignments for FC switches when using ONTAP 9.0](#)

## Steps

1. Cable the FC-VI ports and HBA ports from each controller to the ports on alternate FC switches.

Configurations using FibreBridge 7500N or 7600N using both FC ports (FC1 and FC2)				
MetroCluster 1 or DR Group 1				
Component	Port	Brocade switch models 6505, 6510, 6520, 7810, 7840, G610, G620, G620-1, G630, G630-1, and DCX 8510-8		
		Connects to FC_switch...	Connects to switch port...	Connects to switch port...
controller_x_1	FC-VI port a	1	0	0
	FC-VI port b	2	0	0
	FC-VI port c	1	1	1
	FC-VI port d	2	1	1
	HBA port a	1	2	8
	HBA port b	2	2	8
	HBA port c	1	3	9
	HBA port d	2	3	9

controller_x_2	FC-VI port a	1	4	4
	FC-VI port b	2	4	4
	FC-VI port c	1	5	5
	FC-VI port d	2	5	5
	HBA port a	1	6	12
	HBA port b	2	6	12
	HBA port c	1	7	13
	HBA port d	2	7	13
Stack 1	bridge_x_1a	FC1	1	8
		10	FC2	2
	8	10	bridge_x_1B	FC1
	1	9		11
FC2	2	9	11	Stack 2
bridge_x_2a	FC1	1	10	
	14	FC2	2	
10	14	bridge_x_2B	FC1	
1	11		15	FC2
2	11	15	Stack 3	bridge_x_3a
FC1	1	12*		
16	FC2	2		
16	bridge_x_3B	FC1		1
13*		17	FC2	2

13*	17	Stack y	bridge_x_ya	FC1
1	14*			20
FC2	2		14*	20
bridge_x_yb	FC1		1	15*
	21	FC2	2	15*

Cisco 9250i*			
Component	Port	Switch 1	Switch 2
controller_x_1	FC-VI port a	1	-
	FC-VI port b	-	1
	HBA port a	2	-
	HBA port b	-	2
	HBA port c	3	-
	HBA port d	-	3
controller_x_2	FC-VI port a	4	-
	FC-VI port b	-	4
	HBA port a	5	-
	HBA port b	-	5
	HBA port c	6	-
	HBA port d	-	6

controller_x_3	FC-VI port a	7	-
	FC-VI port b	-	7
	HBA port a	8	-
	HBA port b	-	8
	HBA port c	9	-
	HBA port d	-	9
controller_x_4	FC-VI port a	10	-
	FC-VI port b	-	10
	HBA port a	11	-
	HBA port b	-	11
	HBA port c	13	-
	HBA port d	-	13

You should cable the ISLs between the FC switches across the MetroCluster sites.

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