



# **Configuring FC-VI ports on a X1132A-R6 quad-port card on FAS8020 systems**

## **ONTAP MetroCluster**

netapp-ivanad, ntap-bmegan  
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# Configuring FC-VI ports on a X1132A-R6 quad-port card on FAS8020 systems

If you are using the X1132A-R6 quad-port card on a FAS8020 system, you can enter Maintenance mode to configure the 1a and 1b ports for FC-VI and initiator usage. This is not required on MetroCluster systems received from the factory, in which the ports are set appropriately for your configuration.

This task must be performed in Maintenance mode.



Converting an FC port to an FC-VI port with the `ucadmin` command is only supported on the FAS8020 and AFF 8020 systems. Converting FC ports to FCVI ports is not supported on any other platform.

## Steps

1. Disable the ports:

```
storage disable adapter 1a
```

```
storage disable adapter 1b
```

```
*> storage disable adapter 1a
Jun 03 02:17:57 [controller_B_1:fci.adapter.offlining:info]: Offlining
Fibre Channel adapter 1a.
Host adapter 1a disable succeeded
Jun 03 02:17:57 [controller_B_1:fci.adapter.offline:info]: Fibre Channel
adapter 1a is now offline.
*> storage disable adapter 1b
Jun 03 02:18:43 [controller_B_1:fci.adapter.offlining:info]: Offlining
Fibre Channel adapter 1b.
Host adapter 1b disable succeeded
Jun 03 02:18:43 [controller_B_1:fci.adapter.offline:info]: Fibre Channel
adapter 1b is now offline.
*>
```

2. Verify that the ports are disabled:

```
ucadmin show
```

```
*> ucadmin show
```

Adapter	Current Mode	Current Type	Pending Mode	Pending Type	Admin Status
...					
1a	fc	initiator	-	-	offline
1b	fc	initiator	-	-	offline
1c	fc	initiator	-	-	online
1d	fc	initiator	-	-	online

3. Set the a and b ports to FC-VI mode:

```
ucadmin modify -adapter 1a -type fcvi
```

The command sets the mode on both ports in the port pair, 1a and 1b (even though only 1a is specified in the command).

```
*> ucadmin modify -t fcvi 1a
Jun 03 02:19:13 [controller_B_1:ucm.type.changed:info]: FC-4 type has
changed to fcvi on adapter 1a. Reboot the controller for the changes to
take effect.
Jun 03 02:19:13 [controller_B_1:ucm.type.changed:info]: FC-4 type has
changed to fcvi on adapter 1b. Reboot the controller for the changes to
take effect.
```

4. Confirm that the change is pending:

```
ucadmin show
```

```
*> ucadmin show
```

Adapter	Current Mode	Current Type	Pending Mode	Pending Type	Admin Status
...					
1a	fc	initiator	-	fcvi	offline
1b	fc	initiator	-	fcvi	offline
1c	fc	initiator	-	-	online
1d	fc	initiator	-	-	online

5. Shut down the controller, and then reboot into Maintenance mode.

6. Confirm the configuration change:

```
ucadmin show local
```

Node	Adapter	Mode	Type	Mode	Type	Status
-----	-----	-----	-----	-----	-----	
...						
controller_B_1	1a	fc	fcvi	-	-	online
controller_B_1	1b	fc	fcvi	-	-	online
controller_B_1	1c	fc	initiator	-	-	online
controller_B_1	1d	fc	initiator	-	-	online
6 entries were displayed.						

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