



# **Disabling encryption on Brocade FC switches**

## **ONTAP MetroCluster**

netapp-ivanad, ntap-bmegan  
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# Table of Contents

Disabling encryption on Brocade FC switches..... 1

# Disabling encryption on Brocade FC switches

You might need to disable encryption on Brocade FC switches.

## Steps

1. Send an AutoSupport message from both sites indicating the beginning of maintenance.

```
cluster_A::> autosupport invoke -node * -type all -message MAINT=4h
```

```
cluster_B::> autosupport invoke -node * -type all -message MAINT=4h
```

2. Verify the operation of the MetroCluster configuration from Cluster A.

- a. Confirm the MetroCluster configuration and that the operational mode is normal:

**metrocluster show**

```
cluster_A::> metrocluster show
```

- b. Perform a MetroCluster check:

**metrocluster check run**

```
cluster_A::> metrocluster check run
```

- c. Display the results of the MetroCluster check:

**metrocluster check show**

```
cluster_A::> metrocluster check show
```

3. Check the status of both switches:

**fabric show**

```
switch_A_1:admin> fabric show
```

```
switch_B_1:admin> fabric show
```

4. Disable both switches:

**switchdisable**

```
switch_A_1:admin> switchdisable
```

```
switch_B_1:admin> switchdisable
```

5. Check the available paths for the nodes on each cluster:

**sysconfig**

```
cluster_A::> system node run -node node-name -command sysconfig -a
```

```
cluster_B::> system node run -node node-name -command sysconfig -a
```

As the switch fabric is now disabled, the System Storage Configuration should be Single-Path HA.

6. Check the aggregate status for both clusters.

```
cluster_A::> aggr status
```

```
cluster_B::> aggr status
```

System output should show the aggregates are mirrored and normal for both clusters:

```
mirrored,normal
```

7. Repeat the following substeps from the admin prompt on both switches.

a. Show which ports are encrypted:

**portenccompshow**

```
switch_A_1:admin> portenccompshow
```

b. Disable encryption on the encrypted ports:

**portcfgencrypt - disable port-number**

```
switch_A_1:admin> portcfgencrypt --disable 40  
switch_A_1:admin> portcfgencrypt --disable 41  
switch_A_1:admin> portcfgencrypt --disable 42  
switch_A_1:admin> portcfgencrypt --disable 43
```

- c. Set the authentication type to all:

**authUtil --set -a all**

```
switch_A_1:admin> authUtil --set -a all
```

- d. Set the authentication policy on the switch. to off:

**authutil --policy -sw off**

```
switch_A_1:admin> authutil --policy -sw off
```

- e. Set the authentication Diffie-Hellman group to \* :

**authutil --set -g \***

```
switch_A_1:admin> authUtil --set -g *
```

- f. Delete the secret key database:

**secAuthSecret --remove -all**

```
switch_A_1:admin> secAuthSecret --remove -all
```

- g. Confirm that encryption is disabled on the ports:

**portenccompshow**

```
switch_A_1:admin> portenccompshow
```

- h. Enable the switch:

**switchenable**

```
switch_A_1:admin> switchenable
```

- i. Confirm the status of the ISLs:

**islshow**

```
switch_A_1:admin> islshow
```

8. Check the available paths for the nodes on each cluster:

**sysconfig**

```
cluster_A::> system node run -node * -command sysconfig -a
```

```
cluster_B::> system node run -node * -command sysconfig -a
```

The system output should indicate that System Storage Configuration has changed back to Quad-Path HA.

9. Check the aggregate status for both clusters.

```
cluster_A::> aggr status
```

```
cluster_B::> aggr status
```

The system should show that the aggregates are mirrored and normal for both clusters as shown in the following system output:

```
mirrored,normal
```

10. Verify the operation of the MetroCluster configuration from Cluster A.

a. Perform a MetroCluster check:

**metrocluster check run**

```
cluster_A::> metrocluster check run
```

b. Display the results of the MetroCluster check:

**metrocluster check show**

```
cluster_A::> metrocluster check show
```

11. Send an AutoSupport message from both sites indicating the end of maintenance.

```
cluster_A::> autosupport invoke -node node-name -type all -message  
MAINT=END
```

```
cluster_B::> autosupport invoke -node node-name -type all -message  
MAINT=END
```

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