



BOSCH

DSA E-Series - Switching from LAN to fiber cables

en

Installaton manual

1 Short information

This manual describes how to switch over multiple NetApp E2800 Dual Controller units (using multi-pathing) from iSCSI copper NICs to optical fiber iSCSI without any data loss.

The description is valid for the following products:

- E2800 12-bay
 - DSA-N2E8X4-12AT
 - DSX-N1D8X4-12AT
 - DSA-N2C8X4-12AT
 - DSA-N2E8X8-12AT
 - DSX-N1D8X8-12AT
 - DSA-N2C8X8-12AT
 - DSA-N2E8XC-12AT
 - DSX-N1D8XC-12AT
 - DSA-N2C8XC-12AT
 - DSA-N2E8XG-12AT
 - DSX-N1D8XG-12AT
 - DSA-N2C8XG-12AT
- E2800 60-bay
 - DSA-N6C8X4-60AT
 - DSA-N6C8X8-60AT
 - DSA-N6C8XC-60AT
 - DSX-N6D8X4-60AT
 - DSX-N6D8X8-60AT
 - DSX-N6D8XC-60AT
 - DSX-NRCK40-INT8

2 Switching from copper LAN cables to fiber cables



Notice!

The following description refers to a duplex controller configuration. For a single controller configuration, the procedure is analogous.

To switch from copper to fiber cables:

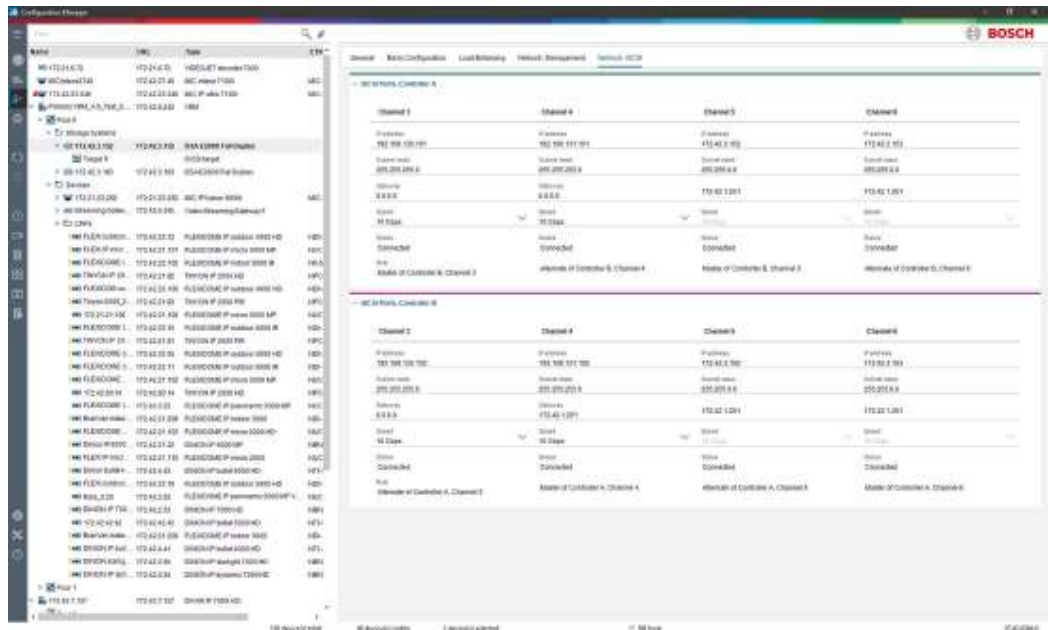
1. Connect all fiber cables to the E2800 system.
2. Make sure the channels are connected.

To do this, open the Configuration Manager program.

Click **My Devices** > **Primary VRM** > **Pool x** > **Storage System** > **DSA E2800** system.

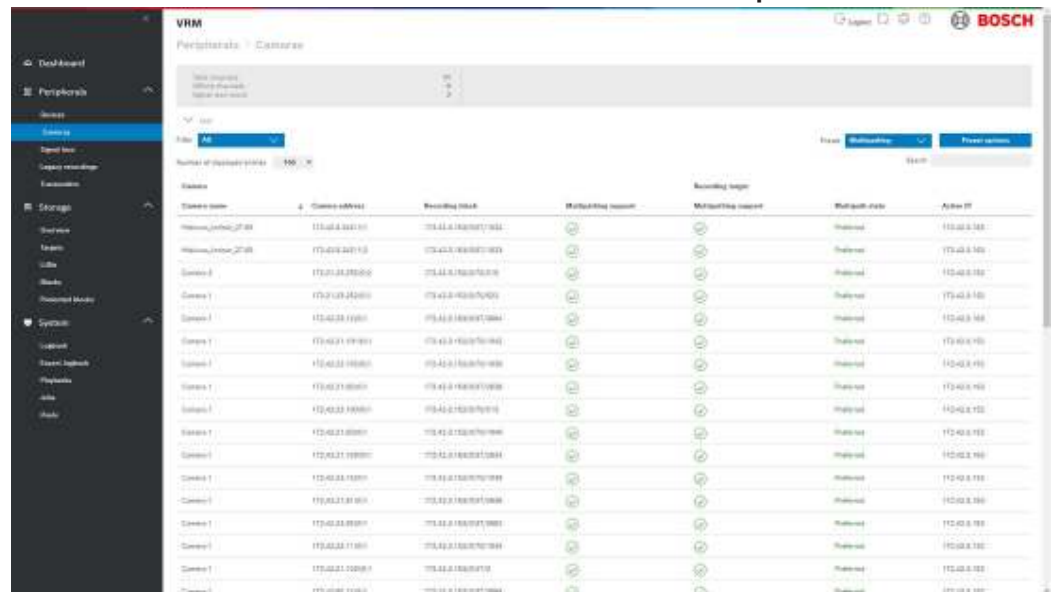
Click the **Network iSCSI** tab.

All channels must have the status **Connected**.



3. Open the VRM Dashboard program. To do this, enter in your web browser:
<IP address of the Primary VRM>/monitoringsite/index.html
4. Click **Peripherals**, then click **Cameras**.

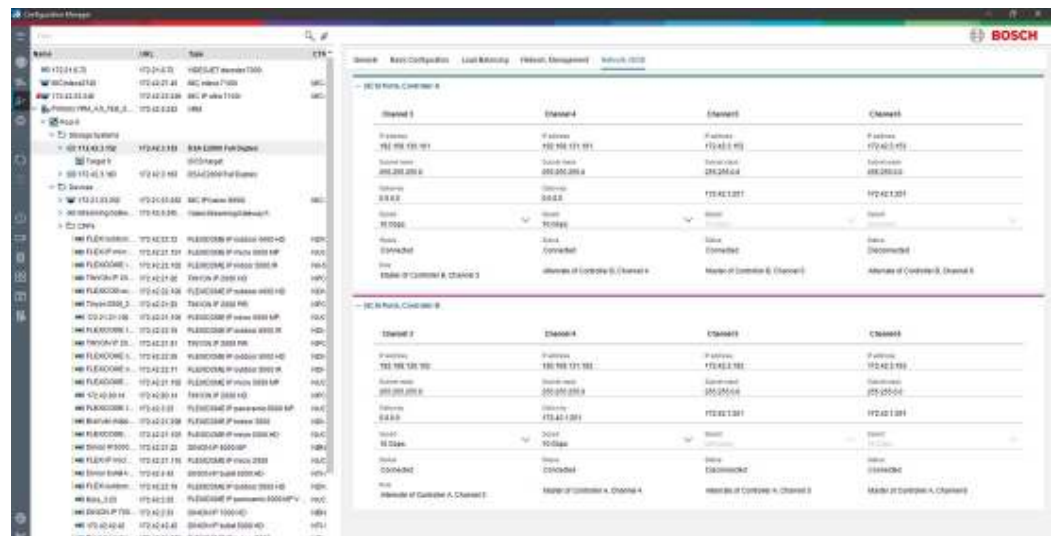
5. Make sure that all devices have the status **Preferred** in the **Multipath state** column.



The screenshot shows the VHM interface with a table of devices. The table has columns for Device name, ID, Channel ID, Recording status, Multipath status, Recording target, and Action ID. The Multipath status column shows 'Preferred' for all devices.

Device name	ID	Channel ID	Recording status	Multipath status	Recording target	Action ID
Wdmsw_jumbo_27-08	113-03-0-001-01	113-03-0-001-001	OK	Preferred	113-03-0-001	113-03-0-001
Wdmsw_jumbo_27-08	113-03-0-001-02	113-03-0-001-002	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-03	113-03-0-001-003	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-04	113-03-0-001-004	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-05	113-03-0-001-005	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-06	113-03-0-001-006	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-07	113-03-0-001-007	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-08	113-03-0-001-008	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-09	113-03-0-001-009	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-10	113-03-0-001-010	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-11	113-03-0-001-011	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-12	113-03-0-001-012	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-13	113-03-0-001-013	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-14	113-03-0-001-014	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-15	113-03-0-001-015	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-16	113-03-0-001-016	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-17	113-03-0-001-017	OK	Preferred	113-03-0-001	113-03-0-001
Device 1	113-03-0-001-18	113-03-0-001-018	OK	Preferred	113-03-0-001	113-03-0-001

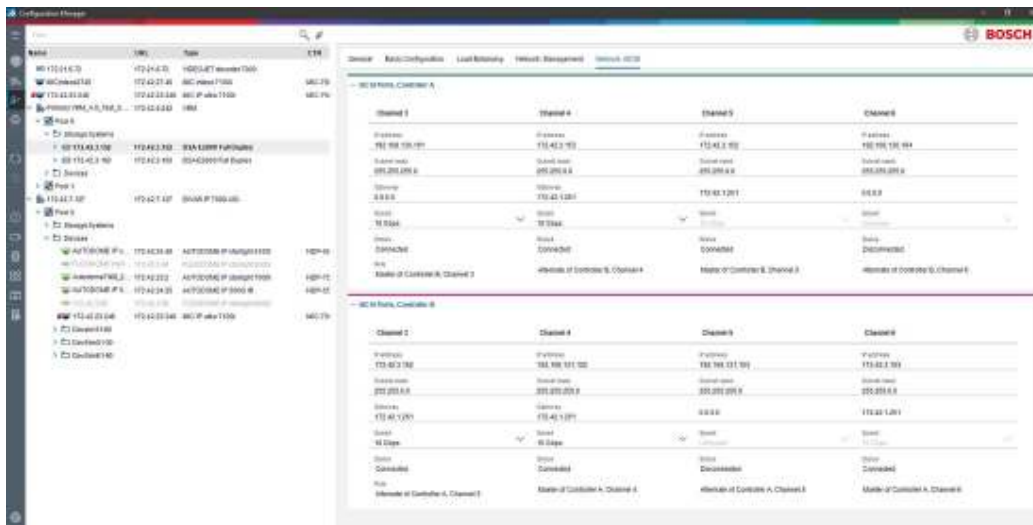
6. Disconnect both alternate copper LAN cables.
In the Configuration Manager program, the respective channels appear with the status **Disconnected**.



The screenshot shows the Configuration Manager interface with a table of channels. The table has columns for Channel ID, Channel name, Channel status, and Channel type. The Channel status column shows 'Disconnected' for both channels.

Channel ID	Channel name	Channel status	Channel type
Channel 1	Channel 1	Disconnected	Channel 1
Channel 2	Channel 2	Disconnected	Channel 2

7. For Controller A and B, copy the alternate values in the **IP address**, **Subnet mask** and **Gateway** boxes to the fiber channels (from Channel 6 to Channel 4). Then enter free IP addresses for Channel 6.

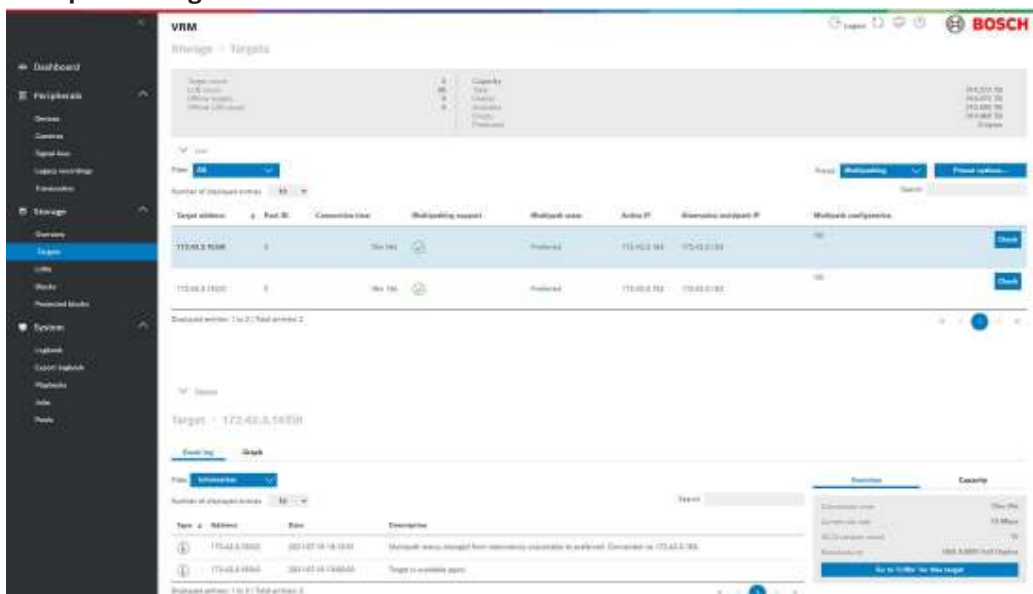


8. Use the Ping command to make sure there is a connection to both alternate IP addresses.
9. In the VRM Dashboard program, make sure the **Multipath configuration** column is set to **OK** for both alternate IP addresses.

To do this:

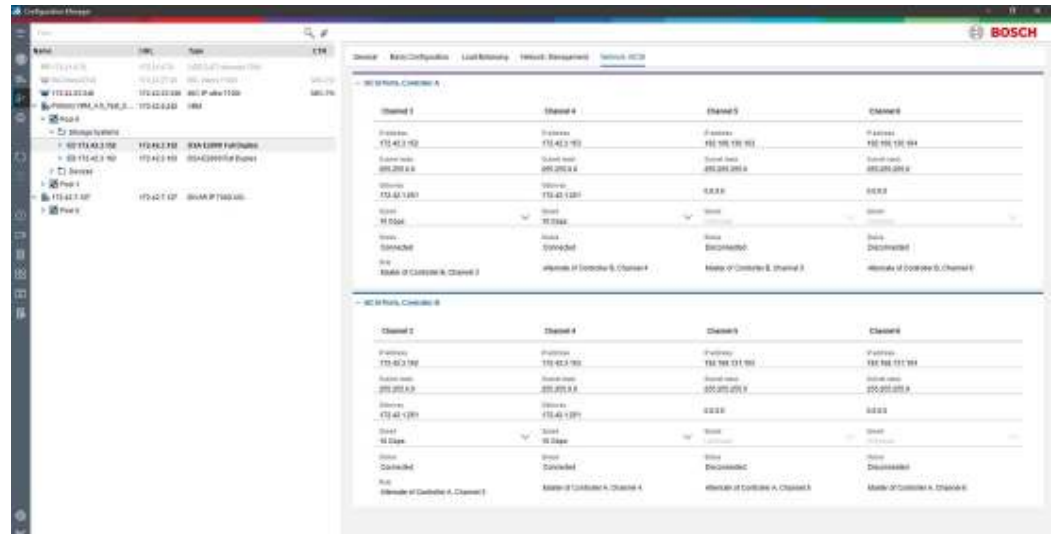
In the VRM Dashboard program, click **Storage**, then click **Targets**.

In the **Target address** column, select the respective row, then click **Check** to update the **Multipath configuration** column.



10. Disconnect both master copper LAN cables.

11. For Controller A and B, copy the master IP addresses in the **IP address**, **Subnet mask** and **Gateway** boxes to the fiber channels (from Channel 5 to Channel 3). Enter free IP addresses for Channel 5.

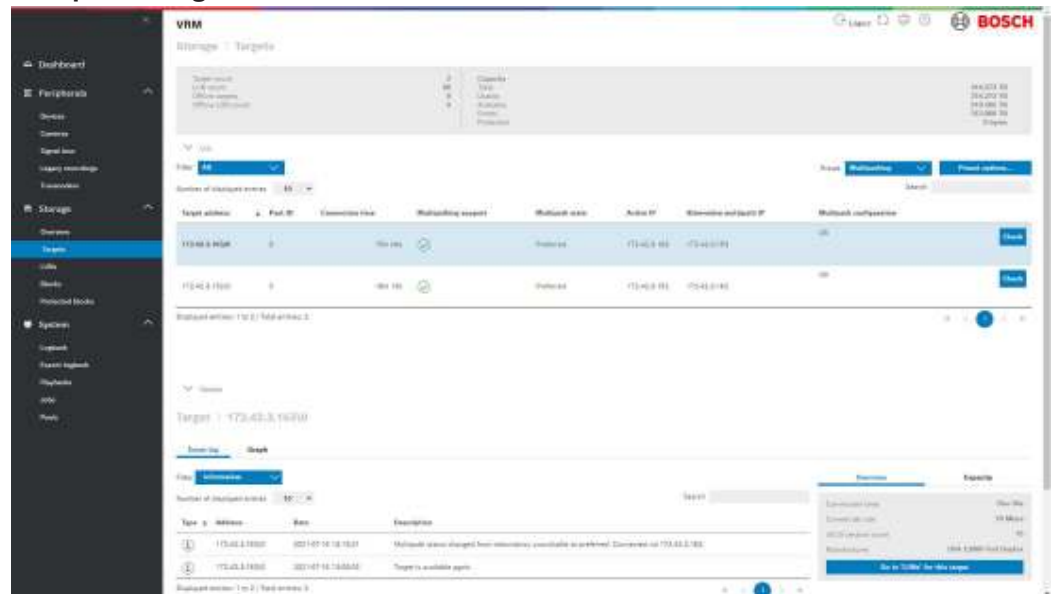


12. Use the Ping command to make sure there is a connection to both alternate IP addresses.
13. In the VRM Dashboard program, make sure the **Multipath configuration** column is set to **OK** for both master IP addresses.

To do this:

In the VRM Dashboard program, click **Storage**, then click **Targets**.

In the **Target address** column, select the respective row, then click **Check** to update the **Multipath configuration** column.



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