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:

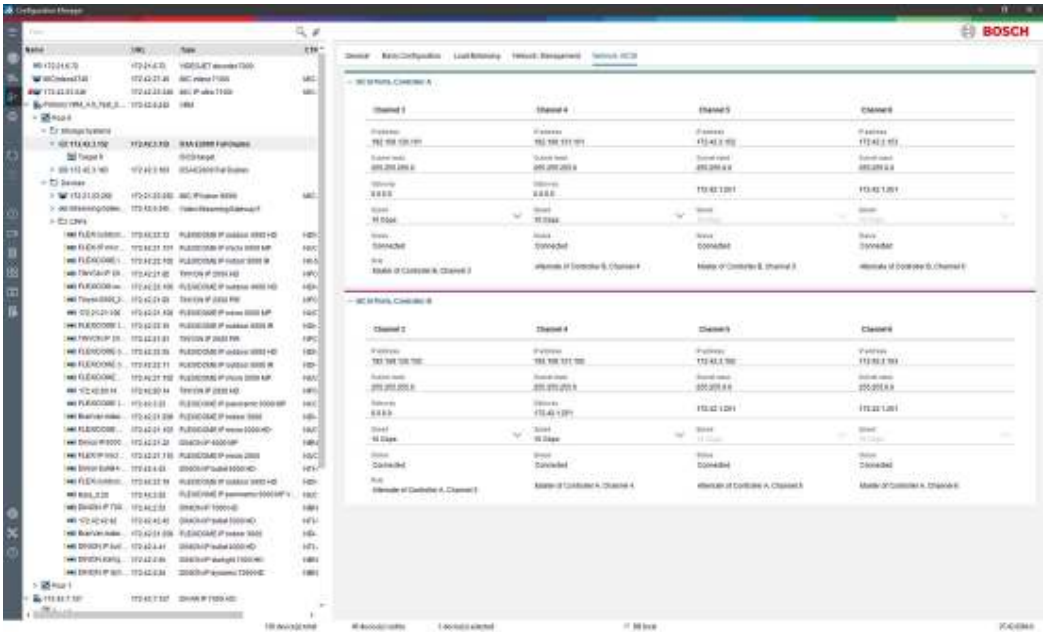
- E2800 12-bay
  - DSA-N2E8X4-12AT
  - DSX-N1D8X4-12AT
  - DSA-N2C8X4-12AT
  - DSA-N2E8X8-12AT
  - DSX-N1D8X8-12AT
  - DSA-N2C8X8-12AT
  - DSA-N2E8XC-12AT
  - DSX-N1D8XC-12AT
  - DSA-N2C8XC-12AT
  - DSA-N2E8XG-12AT
  - DSX-N1D8XG-12AT
  - DSA-N2C8XG-12AT
- E2800 60-bay
  - DSA-N6C8X4-60AT
  - DSA-N6C8X8-60AT
  - 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.

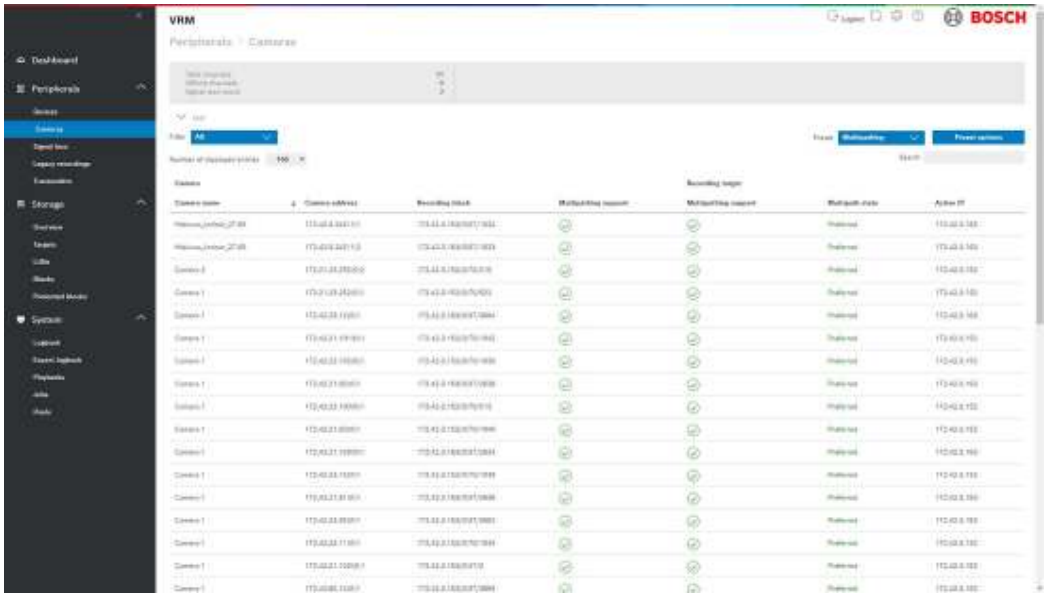
To switch from copper to fiber cables:

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**.

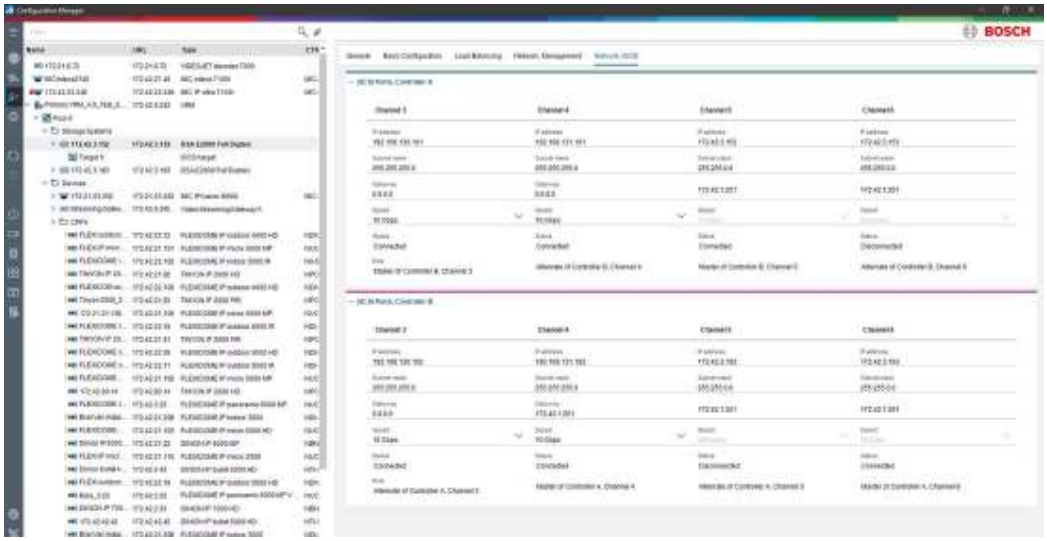


3. Open the VRM Dashboard program. To do this, enter in your web browser:
   <IP address of the Primary VRM>/monitoringsite/index.html
4. Click **Peripherals**, then click **Cameras**.

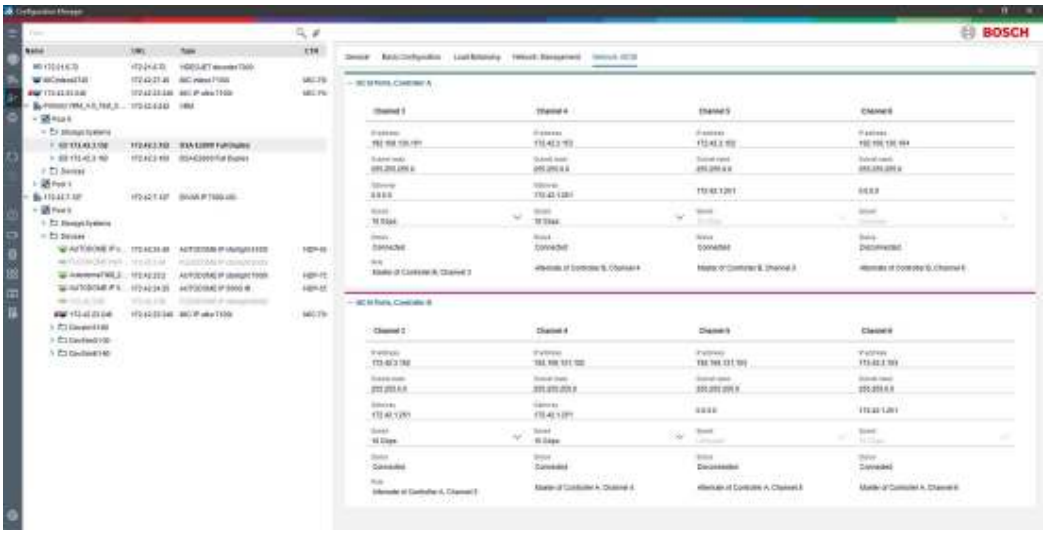
5. Make sure that all devices have the status **Preferred** in the **Multipath state** column.



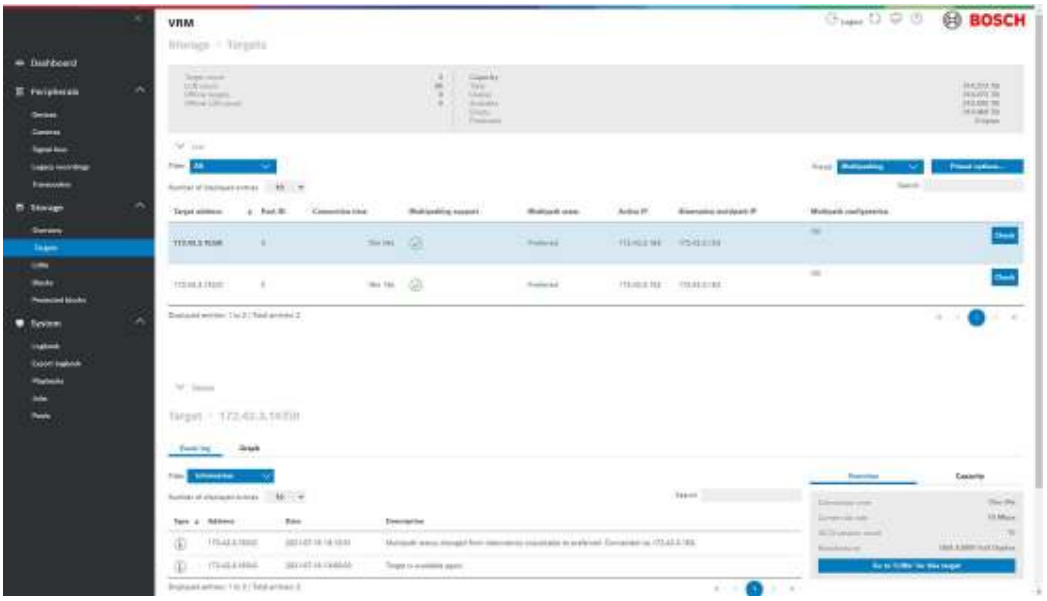
6. Disconnect both alternate copper LAN cables.
   In the Configuration Manager program, the respective channels appear with the status **Disconnected**.



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.

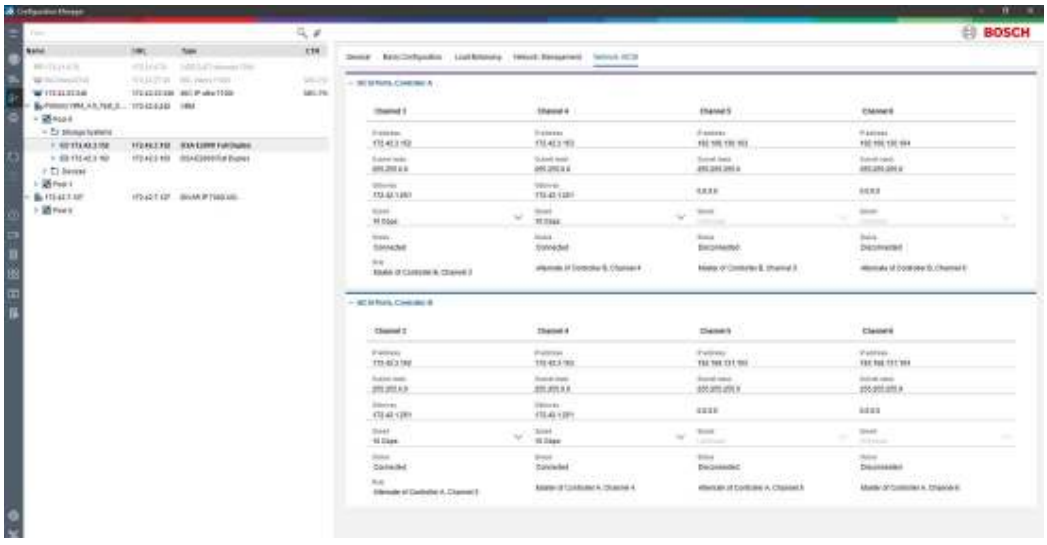


8. Use the Ping command to make sure there is a connection to both alternate IP addresses.
9. In the VRM Dashboard program, make sure the **Multipath configuration** column is set to **OK** for both alternate IP addresses.
   To do this:
   In the VRM Dashboard program, click **Storage**, then click **Targets**.
   In the **Target address** column, select the respective row, then click **Check** to update the **Multipath configuration** column.

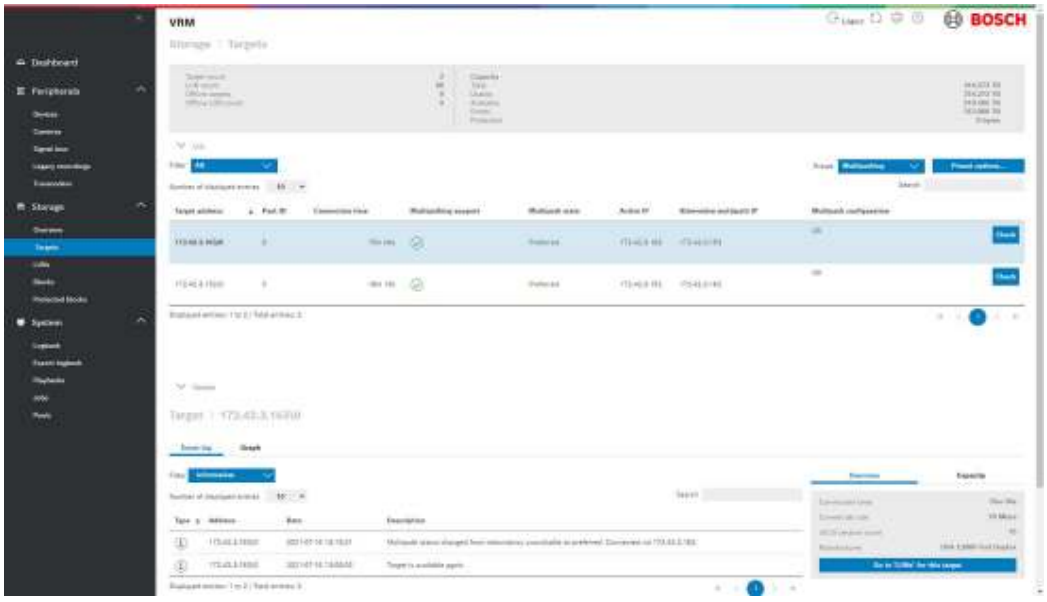


10. Disconnect both master copper LAN cables.

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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