

System configurations and diagrams

Controller block diagrams and cable connections

Lenovo

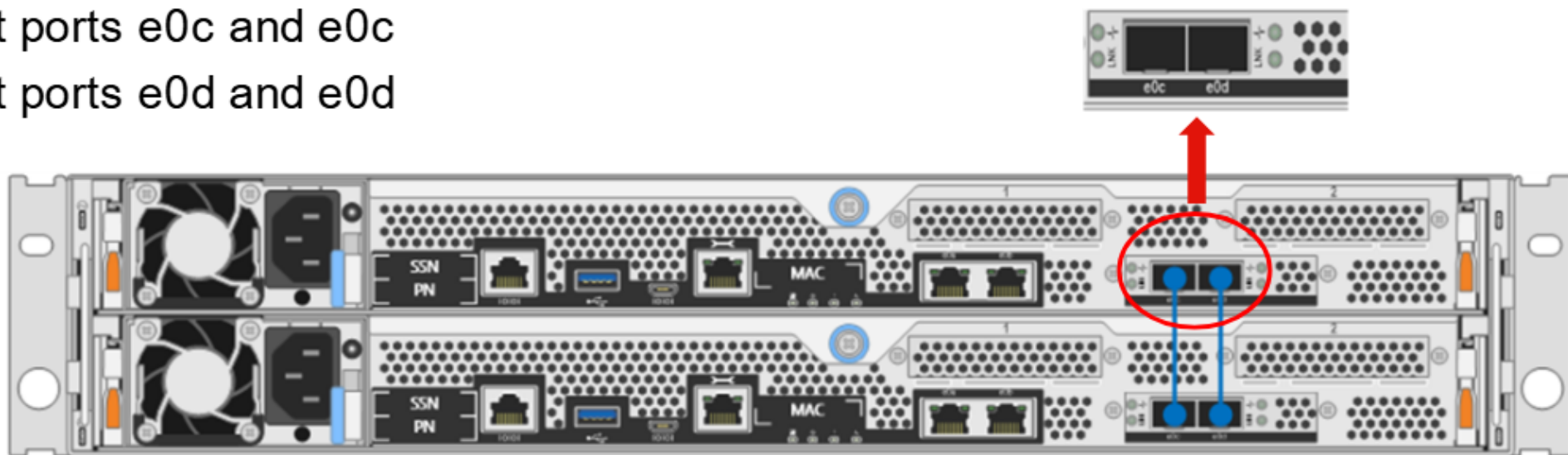


DM5100F switchless clustering

D5100F systems require two 25 GbE cluster interconnections.

Cluster & HA interconnects (blue lines)

- Connect ports e0c and e0c
- Connect ports e0d and e0d



DM5100F switched clustering

DM5100F systems require two 25 GbE cluster interconnections.

- Use 25 GbE cables to connect the controllers to the SFP28 switch ports
- Each switch should have one connection to each controller

Cluster interconnections

Switch 1

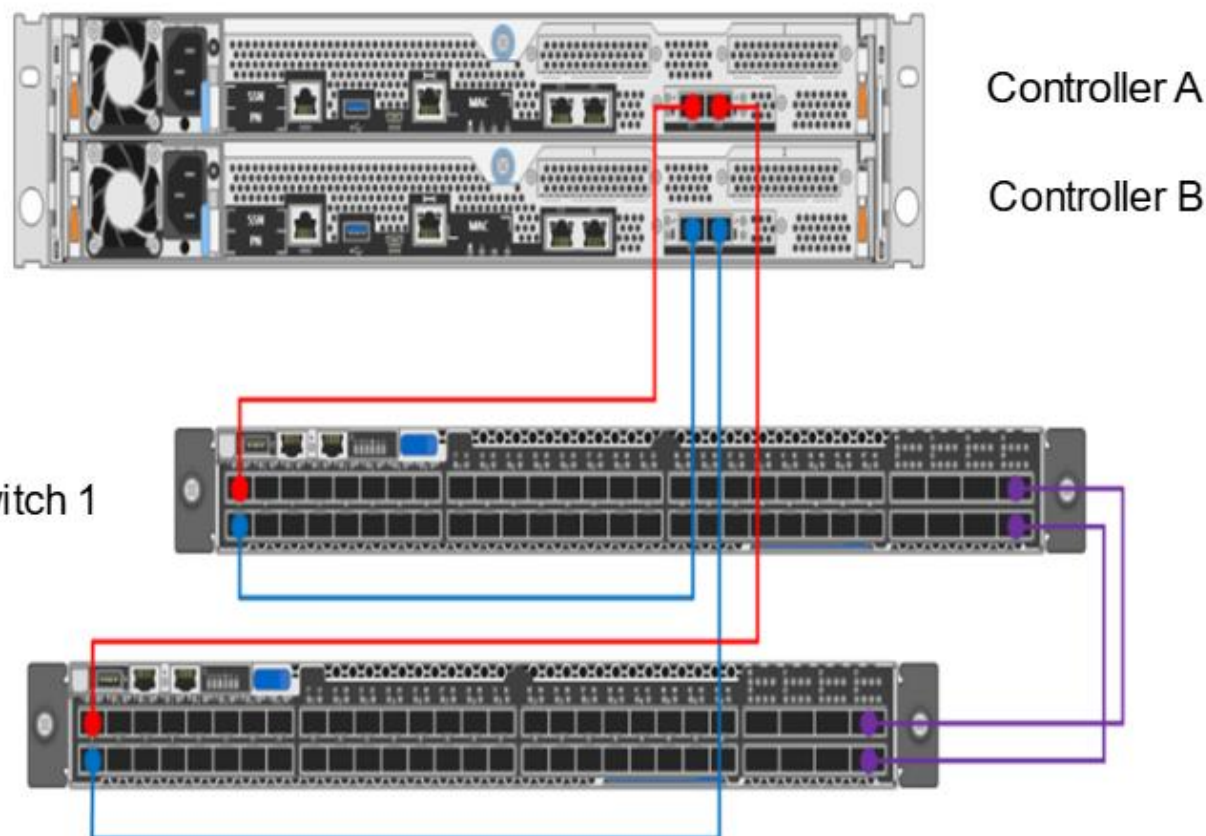
- Controller A: e0c (red lines)
- Controller B: e0c (blue lines)

Switch 2

- Controller A: e0d (red lines)
- Controller B: e0d (blue lines)

The following switches are supported:

- Lenovo BES-53248
- Cisco Nexus 3232C



Note: If the user has a 10 GbE switch for clustering, an additional 10 GbE adapter will be required.

Cabling a DM5100F to a DM240N expansion enclosure

The DM240N (7Y62) is the only supported expansion enclosure.

Two 100 GbE connections are required for each controller.

Install a 100 GbE mezzanine card in slot 1 in each controller and connect each controller to each expansion enclosure module.

Controller A (blue lines):

- Connect port e1a to port e0a on NSM A
- Connect port e1b to port e0b on NSM B

Controller B (red lines):

- Connect port e1a to port e0a on NSM B
- Connect port e1b to port e0b on NSM A

