



Invalid path setup examples

ONTAP FlexArray

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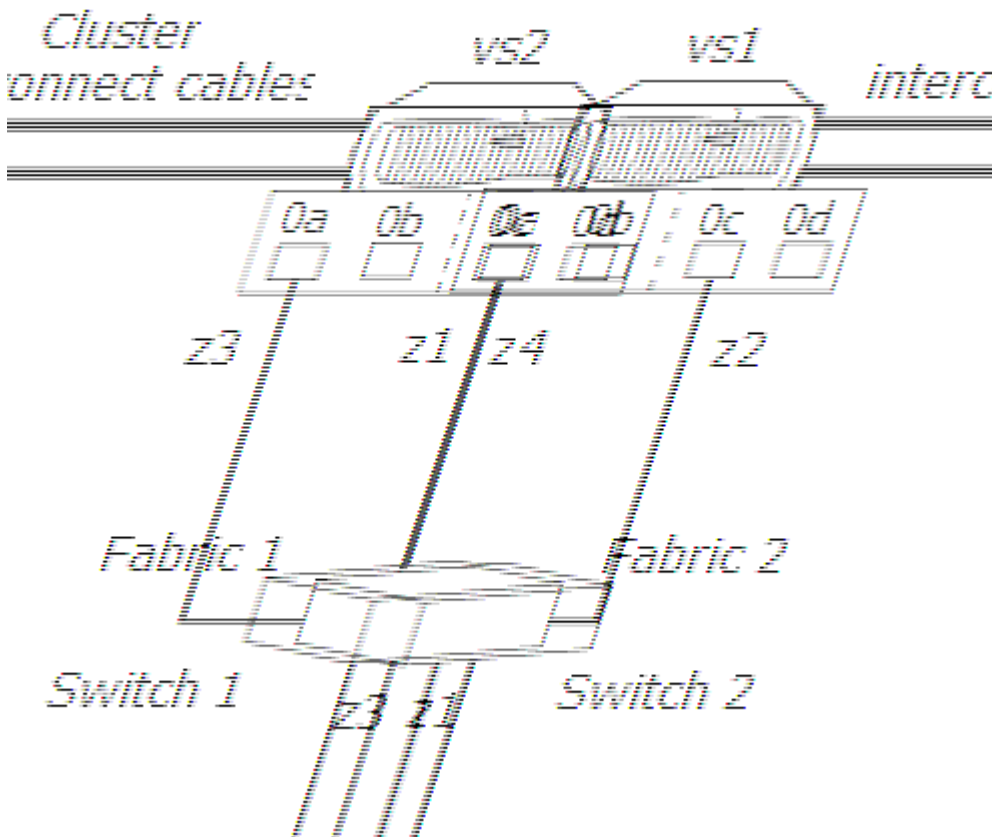
Invalid path setup examples

Path setup can be invalid because paths to an array LUN are not redundant or the number of paths to an array LUN does not meet ONTAP requirements.

Invalid path setup: alternate paths are not configured

It is important to set up alternate paths to all array LUNs from both FC initiators on the ONTAP system, thereby avoiding a single point of failure (SPOF).

The following configuration is invalid because it does not provide alternate paths from each FC initiator port on the ONTAP systems to each LUN on the storage array. Both FC initiator ports from the same ONTAP system are connected to the storage array through the same switch.



Assume that the following zoning is in place in this invalid example:

- For *vs1*:
 - *0a* is zoned to see Controller 1 Port A.
 - *0c* is zoned to see Controller 1 Port B.
- For *vs2*:
 - *0a* is zoned to see Controller 2 Port A.
 - *0c* is zoned to see Controller 2 Port B.

In this sample configuration, each switch becomes a SPOF.

To make this a valid configuration, the following changes must be made:

- vs1's FC initiator port 0c must be connected to Switch 2.
- vs2's FC initiator port 0a must be connected to Switch 1.
- Appropriate zoning must be configured.

If you are using multiple ports on a storage array that supports configuring a specific set of LUNs on a selected set of ports, a given FC initiator port must be able to see all array LUNs presented on the fabric.

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