



IBM DS storage arrays

ONTAP FlexArray

NetApp

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IBM DS storage arrays

You must meet certain requirements when configuring storage arrays to work with ONTAP systems that use array LUNs. These requirements include setting configuration parameters on storage arrays and deploying only supported configurations.

Required settings for IBM DS storage arrays with ONTAP systems

Certain parameter settings are required on the storage array for the storage array to work successfully with ONTAP systems.

Required host type for DS8xxx storage arrays

The required host type setting is shown in the following table:

Parameter	Setting
Host type	N series Gateway

Requirements for configuring DS8300 9A2 LPAR models

When setting up the DS8300 9A2 LPAR (system logical partition) model to interact with ONTAP systems, you must set up access to each array LUN so that the redundant paths are both accessing the same LPAR.

Requirements for volume groups on DS8xxx storage arrays

You must be aware of limitations on the number of volume groups that you can use with a LUN group when configuring DS8xxx arrays.

You must use a single volume group for each LUN group on a DS8xxx storage array to guarantee that the DS8xxx array LUNs are consistently presented to all the FC initiators (that are on the ONTAP system) that access them.



If array LUNs are not presented consistently, there is a potential for data corruption.

IBM DS storage array families

ONTAP does not support mixing some types of storage in aggregates. To help you determine the array LUNs that can be mixed in an aggregate, the storage arrays from each vendor are grouped into families. When you create aggregates, you cannot mix array LUNs from different vendors and from different storage array families in the same aggregate.

Storage arrays in the same family share the same performance and failover characteristics. For example, members of the same family all perform active-active failover, or they all perform active-passive failover. More

than one factor might be used to determine storage array families. For example, storage arrays with different architectures would be in different families even though other characteristics might be the same.

The following list shows arrays organized by family:

- Family 1
 - DS8300
 - DS8100
- Family 2
 - DS8800
 - DS8700
 - DS8870

The Interoperability Matrix is the final authority for information about the storage arrays supported for each vendor.

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