Enablement for non-supported LUNs

ONTAP

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It is important to verify that the host OS, HBA, switch, and ONTAP array for your source array and your final configuration are all listed as supported in the Interoperability Matrix.

The following sections provide information for these use cases:

- Importing iSCSI LUNs as FC LUNs
- Moving migrated LUNs to AFF platforms

Related information

NetApp Interoperability Matrix Tool

Importing non-FC LUNs

Because Foreign LUN Import (FLI) leverages FlexArray technology to mount foreign LUNs, it can only connect to source arrays using FCP. Only FC LUNs are supported by FLI. However, there is a workaround that allows you to import iSCSI LUNs. Because you will be importing the iSCSI LUNs as FC LUNs, unlike other FLI online 7-Mode to ONTAP workflows, the disruption window would span this entire workflow:

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Steps

1. On the source array, you will need to unmap the desired iSCSI LUN from its iSCSI igroup.
2. On the source array, map the LUN to a FC igroup, making sure that the destination array WWPNs have been added to the igroup.
3. Import the LUN.
4. After the LUN has been imported, you can create a new iSCSI igroup and add the hosts to the igroup.
5. On the hosts, rescan for LUNs.

   Refer to the Interoperability Matrix Tool (IMT) on the NetApp Support site to validate that the exact product and feature versions described in this document are supported for your specific environment. The NetApp IMT defines the product components and versions that can be used to construct configurations that are supported by NetApp. Specific results depend on each customer’s installation in accordance with published specifications.

Related information

NetApp Interoperability Matrix Tool

Using Foreign LUN Import to import LUNs into AFF

AFF does not support FlexArray in all releases of ONTAP software. In those releases, you must stage Foreign LUN Imports (FLI) to a non-AFF high availability (HA) pair on the same cluster with the AFF.

Beginning with ONTAP 9.1, AFF supports FLI. You can use FKU to import LUNs from other arrays directly into ONTAP clusters.

As of ONTAP 8.3.2, AFF can support FLI with an approved Process Variance Request (PVR). Contact your NetApp account team to get the PVR submitted for approval. On approval, the submitter, usually a NetApp System Engineer, will receive an approval letter with instruction for enabling FLI functionality.

For versions of ONTAP software previous to 8.3.2, AFF does not currently support FlexArray due to some of the write optimizations that have been made. You will need to stage FLI imports to a non-AFF HA pair on the same cluster with the AFF. After the migration has been completed, you can then use non-disruptive operations (NDO) such as vol or LUN move to move the migrated LUNs to AFF. If your AFF cluster doesn’t have any non-AFF nodes, talk to your account team about the possibility of borrowing swing gear to facilitate this.