



Migrate a LIF

ONTAP System Manager

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Table of Contents

Migrate a LIF 1

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You might have to migrate a LIF to a different port on the same node or a different node within the cluster, if the port is either faulty or requires maintenance. Migrating a LIF is similar to LIF failover, but LIF migration is a manual operation, while LIF failover is the automatic migration of a LIF in response to a link failure on the LIF's current network port.

Before you begin

- A failover group must have been configured for the LIFs.
- The destination node and ports must be operational and must be able to access the same network as the source port.

About this task

- You must migrate LIFs hosted on the ports belonging to a NIC to other ports in the cluster, before removing the NIC from the node.
- You must execute the command for migrating a cluster LIF from the node where the cluster LIF is hosted.
- A node-scoped LIF, such as a node-scoped management LIF, cluster LIF, intercluster LIF, cannot be migrated to a remote node.
- When an NFSv4 LIF is migrated between nodes, a delay of up to 45 seconds results before the LIF is available on a new port.

To work around this problem, use NFSv4.1 where no delay is encountered.

- You cannot migrate iSCSI LIFs from one node to another node.

To work around this restriction, you must create an iSCSI LIF on the destination node. For information about guidelines for creating an iSCSI LIF, see [SAN administration](#).

- VMware VAAI copy offload operations fail when you migrate the source or the destination LIF. For more information about VMware VAAI, see [NFS reference](#) or [SAN administration](#).

Step

Depending on whether you want to migrate a specific LIF or all the LIFs, perform the appropriate action:

If you want to migrate...	Enter the following command...
A specific LIF	<code>network interface migrate</code>
All the data and cluster- management LIFs on a node	<code>network interface migrate-all</code>
All of the LIFs off of a port	<code>network interface migrate-all -node <node> -port <port></code>

The following example shows how to migrate a LIF named datalif1 on the SVM vs0 to the port e0d on node0b:

```
network interface migrate -vserver vs0 -lif datalif1 -dest-node node0b  
-dest-port e0d
```

The following example shows how to migrate all the data and cluster-management LIFs from the current (local) node:

```
network interface migrate-all -node local
```

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