Provision SAN storage

ONTAP 9

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Provision SAN storage

The topics in this section show you how to configure and manage SAN environments with ONTAP System Manager in ONTAP 9.7 and later releases.

If you are using the ONTAP CLI to configure and manage SAN environments, see this content:

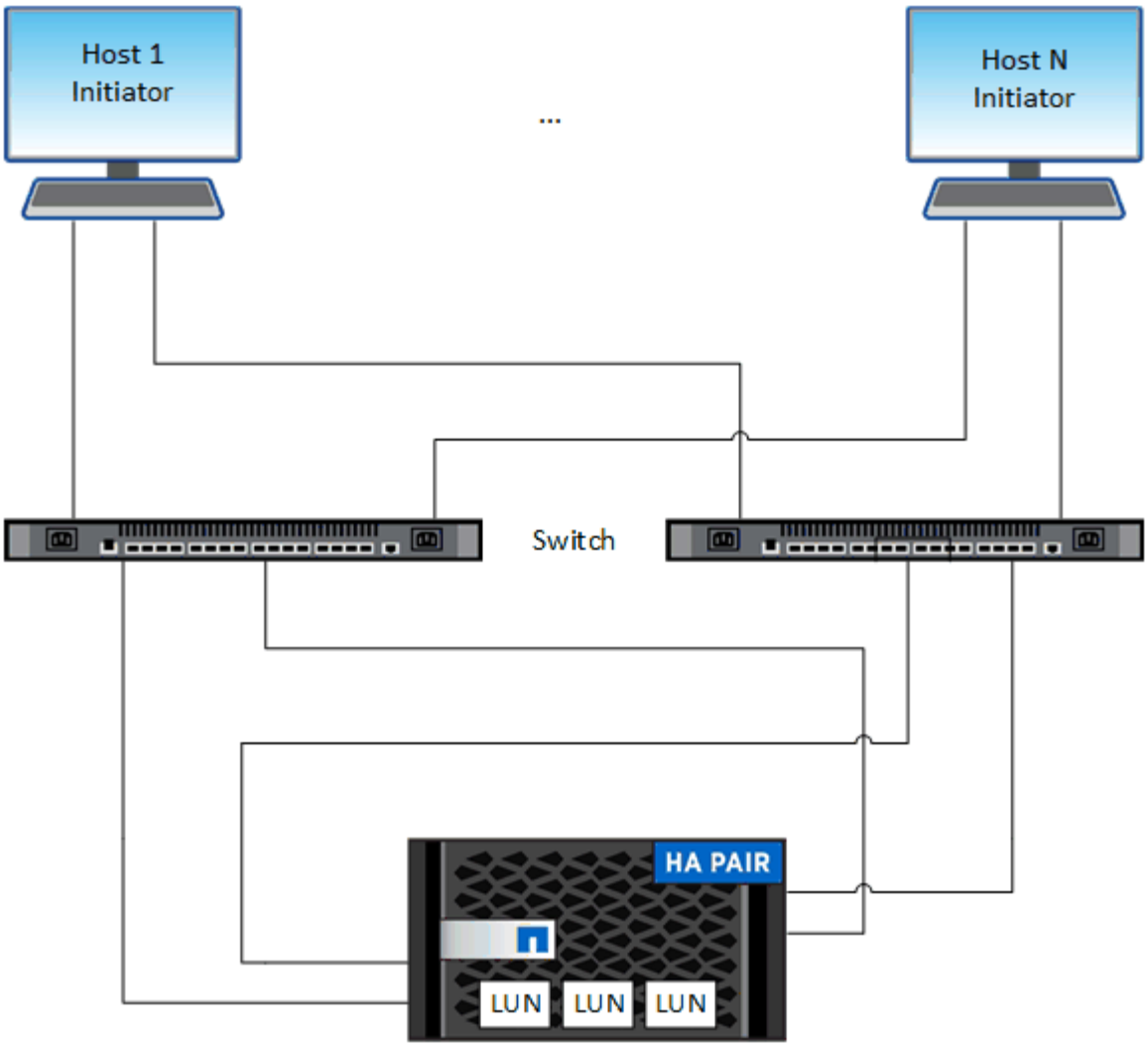
- SAN Administration Guide
- SAN Configuration Guide

If you are using legacy OnCommand System Manager for ONTAP 9.7 and earlier releases to configure and manage SAN protocols on host virtual machines, see this content:

- FC Configuration for ESXi® using VSC Express Guide
- FC Configuration for Red Hat® Enterprise Linux® Express Guide
- FC Configuration for Windows® Express Guide
- iSCSI Configuration for ESXi® using VSC Express Guide
- iSCSI Configuration for Red Hat® Enterprise Linux® Express Guide
- iSCSI Configuration for Windows® Express Guide

SAN overview

You can use the iSCSI and FC protocols to provide storage in a SAN environment.



With iSCSI and FC, storage targets are called LUNs (logical units) and are presented to hosts as standard block devices. You create LUNs and then map them to initiator groups (igroups). Initiator groups are tables of FC host WWPs and iSCSI host node names and control which initiators have access to which LUNs.

FC targets connect to the network through FC switches and host-side adapters and are identified by world-wide port names (WWPNs). iSCSI targets connect to the network through standard Ethernet network adapters (NICs), TCP offload engine (TOE) cards with software initiators, converged network adapters (CNAs) or dedicated host bust adapters (HBAs) and are identified by iSCSI qualified names (IQNs).

Learn more about SAN.

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