



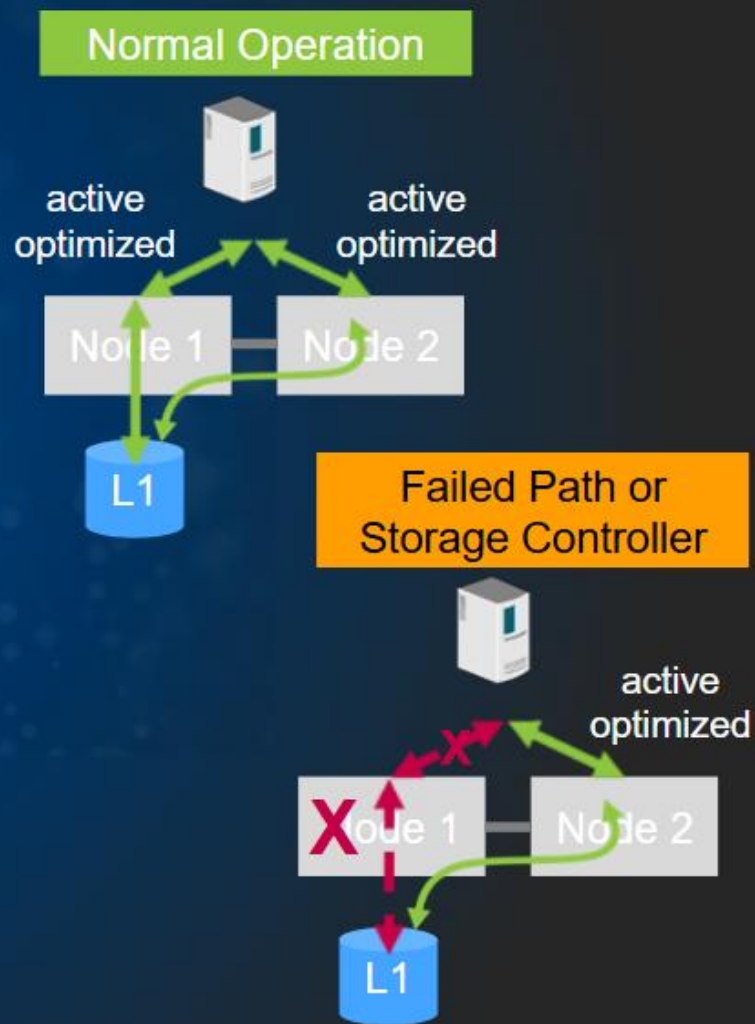
# Module 2

## New AFF All SAN Array Systems

# Introducing AFF All SAN Array Systems

- Uses dedicated block-only storage  
FC and iSCSI only (no NFS or SMB)  
This arrangement enables simpler system setup and management.
- Uses symmetric active-active host-to-LUN access  
All available paths are active and optimized.
  - When a path fails, reads from and writes to the LUN continue.
  - When a storage controller is taken over, the host I/O resumes very quickly.  
Behavior is consistent for both planned and unplanned takeovers.
  - Standard MPIO host configuration on hosts  
The host must still be ALUA-compatible.

MPIO: Microsoft Multipath I/O  
ALUA: asymmetric logical unit access





# AFF All SAN Array Systems Available at Introduction

- All SAN Array AFF A700 and All SAN Array AFF A220 systems are available at introduction.
  - 2-node switchless high availability (HA) pairs only
  - Cannot be clustered with other All SAN Array pairs or with standard AFF or FAS HA pairs
  - MetroCluster, NVMe over Fibre Channel (NVMe/FC), and use with NetApp MAX Data not supported
  - AFF A400, larger All SAN Array-only clusters, NVMe/FC, and MetroCluster considered for future
- Hardware is identical to standard AFF A700 and AFF A220 systems, including bezels and model badges.
- AFF All SAN Array systems are not branded products.
- The software bundle includes Flash/Premium bundle licenses, excluding NAS-only features (FlexGroup volumes and FlexCache).



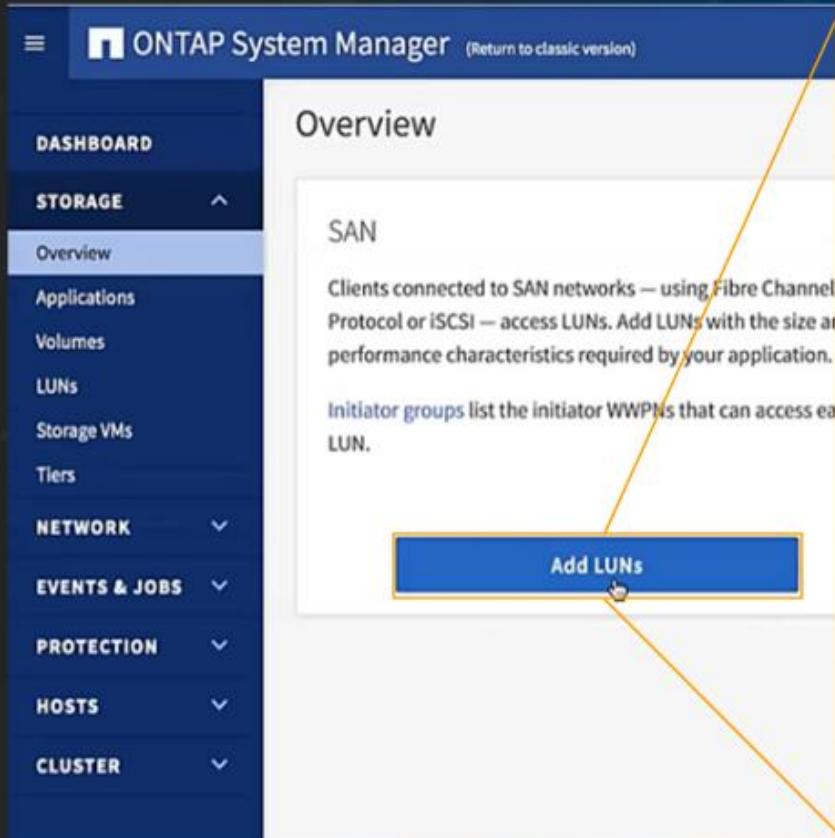


# New SAN Startup Services

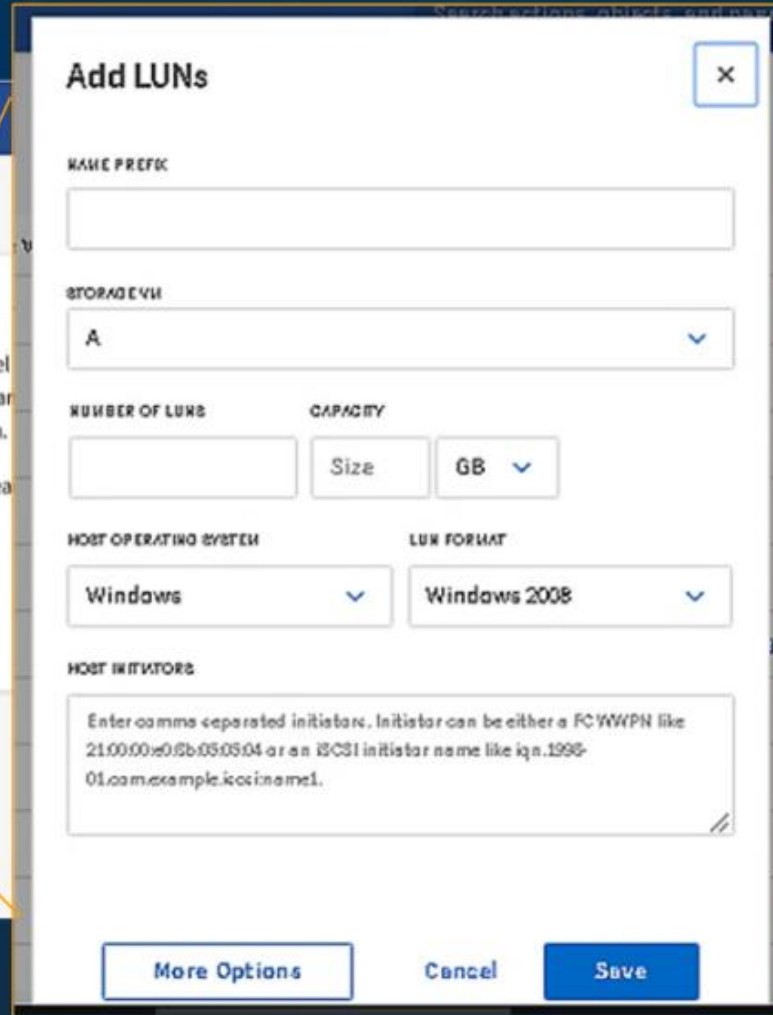
- Services help customers to deploy a consistent and reliable SAN solution with All SAN Array systems.
- The fixed-price service package for a 2-node system and switches includes the following:
  - Assessment
  - Deploy
  - Discover
  - Knowledge Transfer (run books, best practices, and so on)
  - Design
  - Follow-up (monthly check in for the first three months)



# ONTAP System Manager AFF All SAN Array Views



The screenshot shows the 'Overview' page of the ONTAP System Manager. The left sidebar contains a navigation menu with the following items: DASHBOARD, STORAGE (expanded), Overview, Applications, Volumes, LUNs, Storage VMs, Tiers, NETWORK, EVENTS & JOBS, PROTECTION, HOSTS, and CLUSTER. The main content area is titled 'Overview' and features a 'SAN' section. This section includes a descriptive paragraph about SAN networks and a link to 'Initiator groups'. A blue button labeled 'Add LUNs' is prominently displayed and highlighted with a yellow box. An orange line originates from this button and points towards the 'Add LUNs' dialog box shown in the next block.



The 'Add LUNs' dialog box is a modal window for configuring new LUNs. It includes the following fields and options:

- NAME PREFIX:** A text input field.
- STORAGE POOL:** A dropdown menu currently set to 'A'.
- NUMBER OF LUNs:** A text input field.
- CAPACITY:** A section containing a 'Size' label and a dropdown menu set to 'GB'.
- HOST OPERATING SYSTEM:** A dropdown menu set to 'Windows'.
- LUN FORMAT:** A dropdown menu set to 'Windows 2008'.
- HOST INITIATORS:** A text area with instructions: 'Enter comma separated initiator. Initiator can be either a FCWWPN like 21000000000000000000000000000000 or an iSCSI initiator name like iqn.1995-01.com.example:kracina1.'.

At the bottom of the dialog are three buttons: 'More Options', 'Cancel', and 'Save'.

