DELLTechnologies

Dell PowerMax vs. Pure FlashArray XL

Dell PowerMax 2500 / 8500

Multi-Controller, Active/Active scale-out and up architecture with Dynamic Fabric interconnect
Scale performance and capacity independently up to 16 active nodes[1] and fast 100Gb NVMe InfiniBand. Any node to any drive.

Trust data services without compromise
Dell Future-Proof offers global inline data reduction with 4:1 data reduction guarantee for open systems, 3:1 for mainframe[2].

Massive consolidation
Block, File, vVols, Mainframe, and IBMi storage in a single array.

Software Upgrades - without controller failover
< 6 seconds to upgrade SW on the entire array, designed for non-disruptive upgrades.

Massive snapshot scalability
Up to 65 million secure snapshots for granular through SnapVX for granular recovery of data.

NVMe/TCP host connectivity with auto discovery
Achieve great performance with NVMe/TCP and the Industry's first automated end-to-end NVMe/TCP deployment[3]

Pure FlashArray //XL

Dual controller, Active/Standby scale-up only architecture
A single active controller to the back-end media limits scalability and may create I/O bottlenecks.

Adaptive Data Reduction without data reduction guarantee
At high utilization, it prioritizes the serving of IO reducing resources allocated for data reduction. RightSize capacity guarantee is an optional add-on which requires an assessment.

Limited Platform Support
Block, File, vVols support, but no mainframe or native IBMi support.

Software Upgrades - needs controller failover
SW upgrades require controller failover which may be disruptive to users.

No public disclosure of snapshot scalability
Pure does not disclose snapshot scalability in public documentation.

No NVMe/TCP or auto discovery
FlashArray //XL does not support NVMe/TCP at this time. Support for NVMe/RoCE or FC.