DELLTechnologies

PowerStore vs. Pure FlashArray

Dell PowerStore

Pure FlashArray//X

Run VMware ESXi hosted apps via AppsON technology[1]
Dell PowerStore with AppsON[1] offers a purpose-built array with a built-in VMware ESXi hypervisor.

No VMware ESXi support to host apps locally
Purity Run does not support VMware ESXi; it supports a limited number of applications suited to lightweight, data services-oriented processes.

Anytime Upgrade, Industry's most flexible program for controller upgrades[2]
Optional controller upgrade program offers choice of next gen, higher model, or discounted additional new controller.[3] No subscription renewal required.

Evergreen//Forever - Controller refresh every three years with "Ever Modern" provision
Optional controller refresh to newest generation controller only. Requires 3-year commitment and 3-year renewal. "Ever Agile" controller upgrade credit requires capacity upgrade and resets the clock on the "Ever Modern" controller refresh.

Scale-Up & Scale-Out
Scale up maximum capacity across models and scale out to up to 5.71 PB Raw (18PBe[4]) across four arrays managed as a cluster.

No native Scale-Out
Scale-up capacity is limited based on controller model. No block scale-out capabilities - each array is isolated and managed separately.

Always on, intelligent data reduction with 4:1 guarantee[5]
Future-Proof offers average 4:1 data reduction guarantee; always-on data reduction proactively optimizes both performance and capacity.

Adaptive data reduction without data reduction guarantee
No data reduction rate guaranteed; Right Size Guarantee is a separate add-on which requires an assessment.

SCM as Persistent Storage or metadata
Leverage SCM as persistent storage for your highest performance workloads, across all PowerStore models.

SCM only as read cache, not persistent storage
SCM used only as a read cache, and only available on higher-end FlashArray models; SCM not used as persistent storage.

Automated deployment of 100GbE NVMe/TCP with SmartFabric Storage Software (SFSS)
Industry's first software tool for automating NVMe/TCP infrastructure discovery and configuration.[6]

No NVMe/TCP, 100GbE only on select models
FlashArray does not support NVMe/TCP at this time, NVMe/RoCE or FC. 100GbE only available on FlashArray //XL models.