

# Dell PowerStore vs. HPE Nimble

## Dell PowerStore

**Run VMware ESXi hosted apps via AppsON technology<sup>1</sup>**  
 Dell PowerStore with AppsON offers a purpose-built array with a built-in VMware ESXi hypervisor.



**Anytime Upgrade<sup>2</sup>, Industry's most flexible program for controller upgrades<sup>3</sup>**  
 Optional controller upgrade program offers choice of next gen, higher model or discounted additional new controller.<sup>4</sup> No subscription renewal required.



**End-to-end NVMe and SCM**  
 Persistent NVMe or SCM or use SCM as a metadata tier to reduce latency. NVMe/FC or NVMe/TCP (up to 100 GbE) with SmartFabric Storage Software.



**Unified Storage with Block, Native File, and vVols support**  
 File<sup>5</sup>, block and vVols in a single, unified, easy-to-manage platform.



**Intelligent scale-out for cluster balancing**  
 Cluster up to 4 appliances. Volume placement, load balancing, and built-in issue resolution intelligence.



**Intelligent data reduction with 4:1 DRR guarantee<sup>6</sup>**  
 Always-on dedupe and compression work proactively to optimize capacity and performance.<sup>7</sup> No assessment required.



**Robust Security**  
 Security offers Hardware Root of Trust, security anomaly detection, RBAC, FLR, FIPS 140-2 Level 2 validated.



## HPE Nimble Storage

**No VMware ESXi support to host apps locally**  
 No option to deploy apps on the array.

**Performance-based Technology Refresh Program**  
 Optional program offers ~25% faster latest-gen controller upgrade after 1 year. 6-year program participation required for media credit towards new purchase.

**No NVMe flash or NVMe-oF, SCM only as read cache**

No NVMe drive support as persistent storage, no NVMe-oF. SCM used only as a read cache, and only available in higher-end Nimble AF models.

**Block and vVols Support only**

No native file support. File services require a gateway server adding costs and complexity.

**No intelligent scale-out cluster balancing offered**

Cluster up to 4 arrays with manual load balancing or cluster a multi-array pool.

**Adaptive data reduction, no blanket guarantee**

Always-on, inline dedupe and adaptive compression. Data compaction guarantee depends on workload type, an assessment may be required.

**Lacks some security features**

Security includes FIPS-certified encryption and RBAC. No Hardware Root of Trust or security anomaly detection.

<sup>1</sup> Available on PowerStore X models only.

<sup>2</sup> Anytime Upgrade is available for purchase with PowerStore at POS only and requires a ProSupport or ProSupport Plus contract with a 3, 4, or 5-year term. Upgrades available 180 days after invoice.

<sup>3</sup> Based on Dell analysis comparing the highest available program offers for controller upgrades, June 2022.

<sup>4</sup> Anytime Upgrades Select provides next gen controller from Anytime Upgrades Standard, plus choice of in-family upgrade or scale-out discount toward second appliance solution, availability may vary by model. Dell ProDeploy Plus is required for scale-out deployment.

<sup>5</sup> Available on PowerStore T models only.

<sup>6</sup> 4:1 average rate guaranteed across customer applications. Rates for individual applications may vary. See Future-Proof Program terms and conditions for details.

<sup>7</sup> Based on a Principled Technologies report commissioned by Dell EMC, "Enable Greater Data Reduction and Storage Performance with Dell EMC PowerStore 7000 Series Storage Arrays", compared to HPE Primera A670, August 2020.

Actual results may vary. See the full report [here](#).

Comparison based on publicly available information, July 2022. Copyright © 2022 Dell Inc. or its subsidiaries. All Rights Reserved. Dell Technologies, Dell, EMC, Dell EMC and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners.