

# Dell PowerStore vs. Primera

## 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 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 Primera

### No VMware ESXi support to host apps locally

No option to deploy app on the array.

### Technology Refresh Service

Optional service offers upgrade to latest-gen controller after 3 years. No credit towards new purchase option.

### Limited NVMe flash and no SCM support

Only up to 16 NVMe SSDs. SCM not supported.

### Block and vVols support only

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

### Selective data reduction with no blanket guarantee

Inline dedupe and compression. Data compaction guarantee depends on workload type, data reduction can negatively impact performance<sup>8</sup>.

### Lacks some security features

Security includes FIPS 140-2 Level 2 Validated Self-Encrypting Drives and RBAC. No Hardware Root of Trust or security anomaly detection.

Comparison based on Dell analysis using publicly available information, July 2022.

<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", August 2020. Actual results may vary. Full report: <https://www.principledtechnologies.com/Dell/PowerStore-7000T-7000X-storage-arrays-0820.pdf>.

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