

Dell PowerStore

Scalable, all-flash storage



Business Challenge

Workloads are highly virtualized and more and more containerized; organizations need agility and scalability to adopt AI and adapt to evolving needs; and cost remains a factor as organizations strive to do more with less. So when it comes to modern storage, you need a solution that meets a long list of demands – without adding complexity.

Our solution

Dell Technologies designed the Dell™ PowerStore® line to meet and exceed demands of current- and next-generation data centers. Consolidating Unity XT, SC Series, and PS Series solutions in one line, Dell is reducing complexity and streamlining purchasing.

PowerStore provides greater flexibility for users in multiple dimensions:

- Scale out and scale up as needed.
- Get application flexibility with Dynamic AppsON.
- Upgrade with no downtime with Anytime Upgrade.

Eliminate lift-and-shift upgrades.

The new Anytime Upgrade program gives customers no-downtime data-in-place upgrades to either next-gen controllers or “next-gen plus one model up.” For those who need more capacity, the Anytime Upgrade Scale-out option will add another unit.

Benefits



Ease of management



Simplified monitoring



Nondisruptive upgrades



Right-sized storage

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Product specifications

A Dell™ PowerStore® appliance starts with a 2U base enclosure that has two active-active nodes and 25 NVMe drive slots. For the PowerStore 1000 through 9000 models, four of these slots are reserved for NVRAM modules, and 21 slots are available for flash or Intel® Optane™ SSDs. A PowerStore 500 model supports up to 25 drives in the appliance.

A PowerStore can be configured with as few as six drives and scaled up, with single-drive granularity, until the slots in the base enclosure have been consumed. The drives consuming the slots are NVMe flash and range in capacity from 1.92TB to 15.36TB.

Third-party proven results

 High performance	 High value	 Sustainable
<ul style="list-style-type: none">• 5:1 data reduction guarantee¹• 2X better efficiency than a leading competitor²• 81% real-world data savings – field average exceeds guarantee by 31%³	<ul style="list-style-type: none">• 468% 3-year ROI⁴• 24% decrease in 3-year operational cost⁵• 11-month investment payback⁶• 26% more time for innovation⁷	<ul style="list-style-type: none">• 6X more data density than Pure FlashArray™//X20R4⁸• Up to 54% lower energy use than a leading competitor⁹

About Insight

At Insight, we define, architect, implement, and manage Insight Intelligent Technology Solutions® that help your organization run smarter. We'll work with you to maximize your technology investments, empower your workforce, optimize your business, and create meaningful experiences.

¹ 5:1 average rate guaranteed for reducible data across customer applications. Rates for individual applications may vary. See Future-Proof Program terms and conditions for details.

² Prowess Consulting. (May 2024). Choose High Data-Efficiency Technology for Lower Storage TCO. Commissioned by Dell Technologies.

³ Palmer, T. (January 2024). Dell PowerStore Data Efficiency. Enterprise Strategy Group.

⁴ Szurley, M. and Silwa, C. (March 2023). The Business Value of Dell PowerStore. IDC. Sponsored by Dell Technologies and Intel.

⁵ Ibid.

⁶ Ibid.

⁷ Ibid.

⁸ Dell Technologies. (May 2024). Dell analysis using publicly available specs.

⁹ Prowess Consulting. (May 2024). Choose High Data-Efficiency Technology for Lower Storage TCO. Commissioned by Dell Technologies.