

More innovation. Less frustration.

Legacy storage architectures have historically been complex and costly with data rigidly coupled to hardware and frequent vendor-induced upgrades of both equipment and software licensing. Architectural limitations required overprovisioning of capacity to meet future SLAs at the same time that budgets remained constrained.

Today's technology is dramatically impacting storage architectures as organizations seek to deploy new features and capabilities, embark upon the next chapter in virtualization, and glean more insights from their data. The silioed storage systems of the past are giving way to broader ecosystems – enhancing data center capabilities, speed of execution and cost structures.

Come talk to Dell. As a solution partner, Dell offers the technology, know-how, and experience to deliver new workload-optimized architectures that simplify IT for any size enterprise.

Welcome to the virtual era

Dell understands the storage hurdles of today. With the volume, velocity and value of data accelerating at an ever-increasing pace, making a departure from the costly and complex approach to storage of the past is critical. Dell is redefining the economics of enterprise storage through modern storage architectures, a focus on customer workloads, and an end-to-end integrated portfolio of server, storage, networking, software and services offerings. Dell can help you develop the right data center and virtualization strategies based on your workloads for faster response times and lower TCO. From performance-optimized flash technologies to the densest storage enclosures available from any major vendor – and anything in between – Dell's end-to-end storage portfolio can offer you an optimal solution for your business demands.

Redefining storage economics for today's workloads



Performance Optimized for business critical workloads

I/O intensive workloads for your mission critical applications and big data analysis leverage flash storage and server-side cache



Price Performance Optmized for collaboration and infrastructure

Optimized for server and desktop virtualized environments and traditional IT workloads where price matches performance



Cost Optimized for cold data and image archiving

Low TCO and cost-efficient price/TB with dense enclosures

"The combination of software, services and sales investments have made Dell a serious contender both in terms of scale and performance for almost any enterprise storage project."

Eric Slack
 Senior Analyst
 Storage Switzerland

The power to do more

Legacy storage systems are ill-equipped to address the business needs of today. Designed in a previous era, these systems are deployed in storage silos, with limited ability to fully address virtualization needs or to deliver economies of both function and scale across today's data center environments. Dell's approach starts with modern storage architectures, with flexible, modular designs to easily integrate across our broad ecosystem of internal and external capabilities. The result is storage solutions designed to address specific workload and data center challenges, and to deliver real advances in capabilities and value.

Dell's modern storage architecture is designed from the ground up for virtualized environments: scalable, easily enhanced, and uncoupled from the limitations of any legacy architecture with intelligent tiering and innovative licensing. It offers the ability to deeply integrate across the Dell enterprise end-to-end portfolio, deploying common technologies across a family of storage products.

Dell Storage leverages state-of-the-art technologies to help you maximize efficiency while slashing storage costs by converging servers, storage and networking. To meet the demands of I/O intensive workloads, Dell's unique data progression technologies enable performance-optimized flash at the price of a hard disk solution. To run your business, Dell can help you achieve a balance of price and performance with your virtualized or traditional IT environments that can leverage the investments you've already made, thereby reducing your total cost of ownership. Lastly, a Dell cost-optimized solution is ideal for your cold data storage because it will allow you to reduce the overall cost of supporting your data.

The result?

You can optimize your data center infrastructure, grow storage on-demand, adapt seamlessly to business needs, and intelligently manage data assuring business continuity while extracting more business value out of your growing data.

Putting the right data in the right place at the right time at the right cost

The Dell Storage portfolio is designed to effectively meet the storage needs of organizations of all sizes, from the largest global enterprise data centers to local small businesses.

Dell Storage SC Series (powered by Compellent)

Self-optimized, intelligent enterprise storage

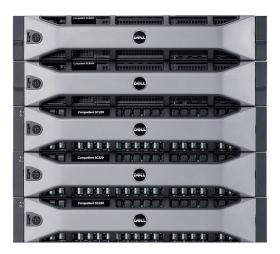
Enterprise-class performance designed for business results

The Dell Storage SC Series offers versatile, high-performance storage and ongoing economic value for SAN and NAS environments with a virtualized, scalable pool of disks for block and file data. Its flexible architecture supports various drive configurations including all-flash, hybrid flash and traditional spinning disk solutions for enterprise applications and file workloads. Automated

intelligent data tiering cost-effectively keeps hot data on high-performance drives and cold data on high-capacity disk drives, allowing you to reduce the cost of enterprise storage by optimizing performance for your data-intensive workloads without straining your budget or sacrificing capacity. With automated tiering between solid-state disks (SSD) deployed in a mix of single-level cell (SLC), multi-level cell (MLC) and traditional spinning disks, the SC Series' data progression technology optimizes performance — yielding flash performance at the price of traditional spinning disks. 1 In addition, intuitive and automated tools and reporting as well as Dell Copilot's industry-leading approach to services help you minimize time spent managing storage. With perpetual software licensing, you pay only once for features, even across hardware upgrades.

"We are now able to close our accounting period on the exact date, which has improved the overall efficiency of the organization through eliminating this delay. Dell Storage Center is delivering three times the number of IOPS compared to our previous solution."

Puneet Kaur Kohli
 Group Executive Vice President, IT & Operations
 Baiai Capital



Dell Storage SC Series powered by Compellent

is a virtualized storage platform designed for high scalability, advanced intelligence, centralized management, and flexible configuration options from high-performance arrays to the industry's densest enclosure. It can serve high-growth operations as a standalone solution or can complement existing storage infrastructures.

Dell Storage PS Series (powered by EqualLogic)

Unified, virtualized storage

Performance and efficiency simplified for the real-world

Built on an advanced, peer scaling storage architecture, Dell Storage PS Series simplifies the deployment and administration of consolidated storage environments, enabling efficient enterprise scalability for both performance and capacity without fork-lift upgrades. Its powerful, intelligent and simplified management improves productivity and streamlines IT infrastructure through unified block and file storage capabilities. To address demanding workloads, the Dell Storage PS Series offers high-performing all-flash and hybrid arrays, powered by the newly-designed controllers and enhanced software to achieve flash at the price of disk² with the latest hardware

release. The Dell Storage PS Series products include a comprehensive software portfolio with easy-to-use array software, host integration tools and all-inclusive licensing. The Dell Storage PS Series virtualized storage offers a simple path to rapid deployment, comprehensive data protection, enterprise-class performance and reliability, and seamless pay-as-you grow expansion. In addition, Dell Storage PS Series arrays are interoperable and can be mixed and matched to build tiered storage within a single storage pool or across multiple pools.



Dell Storage PS Series powered by EqualLogic

applies a virtualized, scale-out architecture to simplify management, scale seamlessly, and reliably protect data. It offers fast performance and throughput with all-flash and hybrid arrays to address data-intensive workloads and VDI environments.

"We can scale our storage in minutes with our Dell EqualLogic solution....
It enables us to dedicate more time to developing the IT infrastructure and responding to staff. This will lead to improved IT services."

Nicolás Calvo
 IT Systems Director
 Depósitos Almacenes Número Unc



Dell Storage MD3, MD and NX Series (powered by PowerVault)

Value and performance storage

Designed for quick deployment, easy management and efficient storage scalability

Optimized to the needs of small business, departmental, and branch office operations, the Dell Storage MD3, MD and NX Series are designed to offer affordability without compromising enterprise-class features and reliability. The Dell Storage MD3, MD and NX Series provides a range of storage options that include entry-level SAN or NAS appliances, and direct attach storage expansion enclosures. The versatile MD3 Series brings enterprise-level features to meet the demands of high performance and data protection. Enhanced premium features, mix-and-match hard drive configurations, and the ability to select between a small form factor and a compact high-density form factor are just some of the versatile options available with the MD3 Series. The NX Series offers solutions for companies who have standardized on Microsoft® Windows Storage Server® (WSS) software, or customers who want the flexibility to purchase software and capacity as their storage needs grow.



Dell Storage MD3 Series powered by PowerVault

The next generation of MD3 Series delivers the latest connectivity options and double the cache memory. MD3 Series offers affordable enterprise-level features and data protection without sacrificing performance.





Dell Storage MD Series powered by PowerVault

Modular direct attach storage that adds capacity behind any of the Dell primary storage arrays, including the MD3 Series, the SC Series and the PS Series, in addition to Dell's PowerEdge server series. "What we like about the MD3 product line is how much SAN you get for such a low cost. It's pretty amazing that you can get so much storage and redundancy so affordably."

Timothy P. Carroll
 Senior Network Engineer
 XS, Inc.



Dell Storage NX Series powered by PowerVault

Built with award-winning Dell PowerEdge servers, the NX Series harnesses the innovations of WSS 2012 R2. The latest version of WSS software leverages host file serving features, and introduces many storage enhancements to the NX Windows NAS Series

Dell Storage FS Series NAS Appliances (powered by Dell Fluid File System)

Ensures efficiency by leveraging a shared infrastructure for block and file data

Dell Storage FS Series with Fluid File System software provides network attached storage (NAS) for the SC and PS series platforms, while achieving best-in-class performance with linear performance scaling and low cost per file OPS (operations per second). Both storage capacity and performance can be scaled non-disruptively and independently within a single namespace as requirements evolve, preventing the need for expensive forklift upgrades. FluidFS also supports a variety of reliability features to ensure robust data protection and high availability.





"We can offer researchers the lowest possible price point for data storage and the flexibility to use it however long they need it, thanks to the Dell Compellent NAS solution."

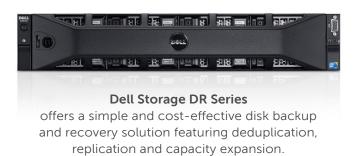
Charlie Collins
 Operations Manager, the ASU Advanced Computing Center Arizona State University

Dell Storage DR, DL, TL and ML Series (powered by PowerVault)

End-to-end disaster recovery solutions D2D, dedupe, and tape

Simple protection and recovery, designed to reduce complexity for organizations of all sizes

Dell Storage Data Reduction (DR), Disk Library (DL), Tape Library (TL), and Multi-library (ML) Series offer native diskto-disk alternatives to virtual tape libraries and eliminate the need for manual setup and management. Designed for low-touch operation, Dell Storage DR and DL Series disk systems offer modular flexibility and rugged construction. With features such as proactive monitoring, alerts, reporting, and optional deduplication, DR and DL disk systems can help reduce costs, reduce complexity, streamline maintenance, and maximize system uptime.





Dell Storage DL Series

allows you to deploy comprehensive data and application backup and recovery for the physical and virtual servers that power your business.





Dell Storage TL Series modular tape libraries and LTO drives offer versatility to help protect long-term digital investments. Modular and extremely scalable, the TL Series tape libraries are designed to automate the storage, retrieval, and management of tape cartridges. The TL Series LTO tape drives deliver reliable, costeffective business continuity and enable disaster recovery for organizations of all sizes. Employing LTO tape drives and media with write-once, readmany (WORM) capability, as well as features such as proactive monitoring to supervise all major subsystem components and Library-Managed Encryption for added security, the ML Series is an intelligent, longterm investment.



Dell Storage TL Series

offers expandable and affordable tape automation for organizations that have outgrown autoloader technology or capacity.

"We can ensure that clinicians and staff are better supported, and the hospital can continue delivering excellent services using the Dell DR4100 appliance even if the unexpected strikes our core infrastructure."

 James Pardon System Administrator Yeovil District Hospital

Helping you realize your data center vision

Dell offers a wide range of professional services to simplify the assessment, design, implementation, management and maintenance of your IT environment and to help you transition from platform to platform.

Dell Enterprise Consulting Services

Optimize the way your data is stored and protected and simplify how it is managed with our expert consultants. Our proven methodology and tools are derived from years of global field experience that help you design the right storage plan to mitigate risk and decrease costs while optimizing and simplifying your data management. Our Consulting Workshops, Agile Consulting and Accelerators provide the consulting expertise you need to meet your needs.

Dell Enterprise Deployment Services

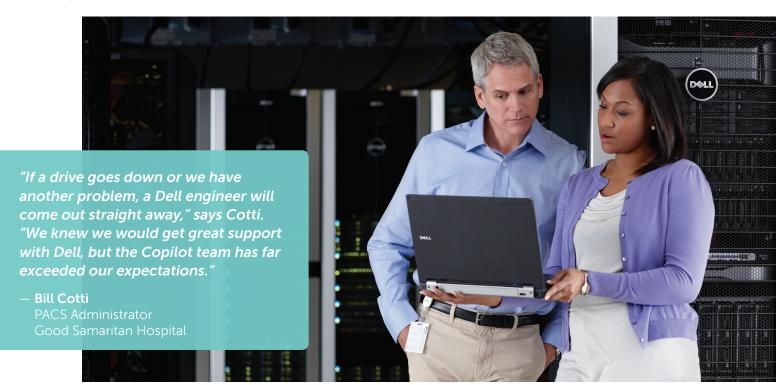
Our end-to-end deployment services ensure your Dell Storage installation, configuration and implementation is completed accurately and quickly — anytime, anywhere — with proven processes based on best practices acquired from thousands of deployments by our highly skilled experts.

Dell ProSupport Enterprise Suite for PS Series and MD Series

Dell ProSupport offers a suite of support services that enable you to choose support models based on how you use technology and where you want to allocate resources. We recommend Dell ProSupport Plus with SupportAssist for mission-critical systems or Dell ProSupport for premium hardware and software support for your Dell Storage PS Series or Dell Storage MD Series solution. For hyper-scale data centers, we also offer ProSupport Flex for Data Center. Contact your Dell representative today for more information.³

Dell Storage SC Series Copilot and Optimize

Dell Copilot Support goes beyond traditional support offerings by identifying and resolving potential problems before they happen. We also offer Copilot Optimize to provide additional in-depth expertise and services such as lifecycle planning, architecture configuration and software advice, technology upgrades and best-practice recommendations.





Dell Storage solutions give you the power to do more

The virtual era offers an unprecedented opportunity for organizations to rethink and reinvent their computing infrastructures, specifically with an eye toward solutions to overcome the challenges of growing workloads and virtualization demands.

With its broad product and services portfolio, Dell offers unparalleled strengths as an IT solution partner. Let Dell collaborate with you to architect a storage solution that can scale seamlessly, adapt gracefully to new — even over-the-horizon—hardware and software capabilities, all while helping to reduce capital and operating costs.

As a solution partner, Dell offers the technology, know-how, and experience to help you develop the right architecture for your most important workloads and the right technology for innovation in your environment. And with a flexible, modular and modern architecture as the core design, Dell Storage can play a vital role in shifting your resources from maintenance to transformation.

Available in over 150 countries, Dell Storage is providing customers with innovative, simple and affordable solutions.

Why Dell Storage?

- Worldwide presence and expertise
- #1 in midrange arrays and enterprise NAS⁴
- #1 in flash/SSDs⁵
- Intelligent storage platforms with advanced virtualization capabilities
- Modular portfolio of customer-centric services
- Open, pragmatic, proven solutions
- Complete, end-to-end solution development, delivery, and support

To explore the Dell storage portfolio, visit Dell.com/Storage.

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⁴8th annual Storage magazine/SearchStorage.com Quality Awards (Sept. 2013) and 8th annual Storage magazine/SearchStorage.com Quality Awards for NAS (Jan. 2014).

⁵ Storage professionals have rated Dell to be the number one SSD provider within the Dell sponsored paper by Storage Strategies NOW "Enterprise Use Cased for Solid State Storage/Flash Memory" September 2013, http://www.dellstorage.com/WorkArea/DownloadAsset.aspx?id=3524.