

IBM System Storage DS Family

A broad range of disk storage systems designed to provide power and freedom for an on demand world



Highlights

- *Solutions for storage infrastructure simplification, business continuity and information lifecycle management*
- *Focused on providing significant improvements in functionality, performance and total cost of ownership by leveraging IBM technology*
- *Offering a range of scalable solutions to address your storage needs, from the smallest distributed storage server to the largest data center*
- *Provides a continuum of enterprise storage products that support open systems and mainframe servers*
- *Offers excellent price/performance options with a broad array of products that serve as a foundation for tiered storage environments*
- *Supports streamlined systems management with common management based on open standards*
- *Offers a broad family of disk storage systems designed to provide the freedom and choices to best match the value of data with the most appropriate storage*

The success of a business often depends on its ability to manage information efficiently. Yet many businesses are finding that without an on demand environment, the rapid growth of information is outpacing their ability to collect, store and maintain it. To help facilitate effective and efficient information management, IBM introduced the IBM System Storage™ DS Family of disk storage systems, including:

- DS8000™ series—Enterprise-class disk systems to help address the challenges of the most demanding IT environments by setting new standards in functionality and performance
- DS6000™ series—Affordable enterprise-class storage for open systems and mainframes in a small, modular package
- DS4000™ series—Attractively priced storage systems for heterogeneous UNIX® and Windows® environments
- DS3000™ series—Easy and affordable systems for the entry-level storage environments

The IBM System Storage DS Family is designed to help your company simplify its storage infrastructure, support business continuity and improve information lifecycle management. It combines cost-effective scalability, a more consistent method to store and access data across the enterprise, streamlined data management tools and advanced virtualization technologies. The potential benefits are clear: Increased efficiency and employee productivity, enhanced data protection, and improved return on investment.

With a wide range of product offerings based on open standards and sharing a common set of tools, interfaces and innovative features in a common operating environment, the IBM System Storage DS Family gives you the freedom to choose the right combination of storage systems for your current needs, and the flexibility for your infrastructure to evolve with your changing needs.

Simplify your infrastructure

The IBM System Storage DS Family offers the opportunity to simplify your IT infrastructure through consolidation, virtualization and streamlined storage management.

Consolidate your storage assets

Consolidation begins with interoperability. The IBM System Storage DS Family supports a broad array of IBM and non-IBM server platforms, including IBM z/OS®, z/VM®, OS/400®, i5/OS® and AIX® operating systems, as well as Linux®, HP-UX, Sun SOLARIS, Novell NetWare, UNIX and Microsoft® Windows environments. The DS Family supports multiple server platforms, including IBM System z™, System i™, System p™, or System x™ servers, and third-party

servers. Consequently, you can have the freedom to choose your preferred vendors and run the applications you require to help address your business needs while extending your previous IT investments.

Whether your goal is to minimize the complexity of department workgroups or consolidate the entire IT infrastructure, the IBM System Storage DS Family offers options to reduce the number of storage systems you need to use. At the same time, the flexibility of IBM System Storage DS Family systems to work with an array of other IBM and non-IBM products can help you to construct a simple, cost-effective and compact storage infrastructure.

Virtualize your storage systems

Storage asset consolidation can be greatly assisted by virtualization. Virtualization software provides capabilities to logically combine separate physical storage systems into a single, virtual storage pool. Pooling storage resources helps simplify storage management, reduce system complexity and lower IT costs. Virtualization offers dramatic opportunities to reduce costs by increasing not only the efficiency of systems but also their availability and flexibility. Administrators that are utilizing

virtualized systems can migrate data between physical storage arrays without disrupting access to the data. This allows them to choose the most cost-efficient storage solution that meets their needs.

Utilizing the innovative logical partitioning technology built into IBM POWER5+™ processors, the DS8300 introduces a new level of virtualization with IBM Virtualization Engine™ technology. While the IBM System Storage SAN Volume Controller provides disk-level virtualization, the DS8300 systems bring the flexibility of IBM server systems, with their ability to isolate logical partitions from each other, to the storage space.

With this virtualization capability, you can maintain two completely separate virtual storage subsystems running the same or different storage environments. The virtual subsystems can be used for distinct production, test or other unique storage environments, all operating within a single physical enclosure. This virtualization capability can help to reduce costs and allow further consolidation of the storage environment. In addition, it leverages the scalability of the DS8300 to deliver performance to each storage system logical partition (LPAR).

Streamline storage management

The IBM System Storage DS Family incorporates streamlined management tools with easy-to-use interfaces, extensive remote management capabilities and the ability to automate numerous tasks.

The IBM DS Storage Manager is a high-function, straightforward graphical user interface (GUI) for the DS6000 and DS8000 series based on open SMI-S (Storage Management Initiative Specification) interfaces and designed to allow users to manage multiple subsystems and controllers, perform logical configurations and administer copy service management functions.

Accessible from across the network through a Web browser with network privileges, the IBM DS Storage Manager (DS6000/DS8000) can greatly help improve ease of use and management efficiency.

Available separately, IBM TotalStorage Productivity Center software takes storage management to a new level. This collection of software provides a single administrative interface for multiple individual IBM storage systems as well as non-IBM disk systems that are also based on open SMI-S interfaces.

To simplify ongoing maintenance, DS8000 and DS6000 storage systems use Light Path Diagnostics that help technicians to identify problems and repair systems quickly. Additional autonomic features, such as IBM Predictive Failure Analysis® capabilities, are designed to take preemptive actions without administrative interaction.

These and other intelligent management features help you reduce the demands of mundane data management so your organization can focus resources on more strategic tasks.

Support business continuity

To succeed in an increasingly on demand world, companies are focused on business continuity. High availability and disaster recovery are critical aspects of business continuity, and the IBM System Storage Resiliency Family of technologies can help provide the tools and solutions to build business continuity solutions. These technologies—designed for businesses of all sizes—range from basic backup and restore capabilities to support for multi-site disaster recovery.

Replication is a key enabling technology for business continuity. As part of the Resiliency Family, IBM FlashCopy® point-in-time copy functions support higher application availability and continuity of operations because they are designed to shrink backup window time. Metro and Global Mirror functions support the creation of duplicate copies of application data at remote sites for rapid recovery purposes. Administrators concerned with maintaining access to critical information

during both planned and unplanned local outages will appreciate the copying and mirroring capabilities that can help support high levels of data availability and resiliency.

Resiliency is an important consideration when building a storage infrastructure. For example, the DS6000 and DS8000 series offer a range of redundant components and a comprehensive suite of resiliency tools and features that help support around-the-clock availability and data protection. Equipped with multiple paths to hard disk drives (HDDs) through Fibre Channel switches for switched connections, they are designed to maintain access to data even if a component fails. Many components are hot-swappable, allowing repairs and upgrades while avoiding system disruption.

The IBM System Storage DS Family also supports open standards. As a result, you can mirror a DS8000 series system with a DS6000 series system or an IBM TotalStorage Enterprise Storage Server® (ESS) Model 750 or 800 to help you lower the total cost of the disaster recovery solution. The IBM DS4000, DS6000 and DS8000 series disk systems can also be used in

conjunction with IBM SAN Volume Controller, which supports replication between multiple disparate storage systems (IBM and non-IBM), thus supporting investment protection. Now you can select the right mix of technologies to construct an effective disaster recovery system that helps address both your business needs and your budget.

Help improve information lifecycle management

In order to exploit existing information, your business needs to store and maintain it, as well as to improve its management according to its business value—from the moment of its creation to the moment of its disposal. Given the budgetary pressures of today's highly competitive world, companies are forced to evaluate the value of information constantly. How often do we need to access this information? How quickly do we need access? How long should we keep it? Where do we most effectively store this information?

IBM System Storage DS Family systems were designed with these information management concerns in mind. They can help improve your ability to leverage information based on its value by providing the ability to implement a multi-tiered storage environment with policy-based management tools.

Support multi-tiered storage

The IBM System Storage DS Family offers a broad range of storage systems, giving you the freedom to select the storage system, or combination of storage systems, that best matches the types of information you intend to store. Though companies may find that one particular IBM System Storage DS Family model better suits their immediate needs, the storage systems in the IBM System Storage DS Family can complement one another in a multi-tiered environment.

An integrated multi-tiered approach allows businesses to lower storage costs by retaining frequently accessed or high-value data in one storage system and keeping less valuable information in a less-costly one. To help simplify multi-tiered environments, you can leverage the IBM System Storage SAN Volume Controller to centralize management of storage tiers and enable movement of data among storage tiers dynamically and without disruption to applications.

Address policy-based retention and management

The passage of government and industry regulations that mandate the retention of certain information has forced organizations to find ways to store data so that they can comply with regulations while also minimizing the costs of storage over the data's required lifespan.

The wide range of IBM System Storage disk and tape products can help businesses address those challenges in two ways: First, by helping businesses store required data in a highly cost-effective manner. Second, by offering policy-based data retention, content and records management capabilities as well as tiered storage management capabilities that are designed to help businesses store, retrieve and dispose of required data automatically across IBM System Storage systems.

The IBM System Storage DR550 is designed to help businesses address the growing challenge of managing and protecting retention managed data and other critical information assets with operational efficiency. The DR550 is an integrated system that supports storing, retrieving,

managing, sharing and protecting regulated and non-regulated data. It is designed to offer automatic provisioning, migration, expiration, and archiving capabilities, helping to minimize the need for manual intervention.*

The DR550 supports up to 56TB of physical disk capacity and supports petabytes of storage with attached IBM System Storage tape systems with WORM (write-once, read many) capability for a low cost of ownership. It offers a comprehensive suite of software tools for policy- and event-based data management and supports data encryption for both disk and tape storage for even greater security. A high availability option is designed to avoid a single point-of-failure, and optional synchronous data replication between local and remote sites helps protect data against disasters.

The policy-based management capabilities built into the IBM DB2® Content Manager and IBM DB2 Records Manager, when working with the IBM System Storage DR550, are designed to help organizations build a complete solution to address legislative compliance requirements.



Realize the power and simplicity of a unified family

Beyond the shared features, tools and technologies of the IBM System Storage DS Family, these storage systems are united by flexible terms, conditions and financing options, making choices simpler for businesses as they select solutions today and build on those

solutions tomorrow. Furthermore, all of the IBM System Storage DS Family products are backed by outstanding IBM support.

IBM System Storage DS8000 series: A new standard in scalability, performance and investment protection

The flagship of the IBM System Storage DS Family, the DS8000, created for medium and large enterprises, builds on the solid foundation of the IBM Enterprise Storage Server. This generation of storage systems is designed to set a new industry standard for high-performance, high-capacity storage systems by delivering a dramatic leap in performance, scalability and total long-term value. The innovative design of this series incorporates outstanding components:

- A high-bandwidth and fault-tolerant Fibre Channel interconnect
- A highly expandable, flexible cache with new performance optimization capabilities
- Fibre Channel and Fibre Channel ATA attached disk technology
- 4Gb FC/IBM FICON® host server attachment options

The DS8000 series can help users consolidate system storage, simplify systems management and help support system availability to address the needs of an increasingly on demand world.

The DS8000 series, now with IBM System Storage DS8000 Turbo models, resets the standard for scalable storage performance, flexibility and efficiency by using a dual-clustered IBM POWER5™ server-based architecture. Leading-edge 64-bit IBM POWER5+ processors are configured in dual 2-way processor complexes (DS8100 model) or dual 4-way processor complexes (DS8300 model) to help reduce cycle times and lower costs by enhancing capacity utilization. Innovative storage system LPAR capabilities on the DS8300 are designed to allow the creation of multiple, discrete logical images to support changing workload requirements. These capabilities are designed to offer scalability and data protection to help deliver increased investment protection, the potential for growth and lower long-term costs.

The DS8000 can be equipped with up to 256GB of processor memory for caching and nonvolatile storage (NVS) to help support high-capacity workloads. To facilitate rapid data transfers between storage enclosures and servers, the DS8000 series supports up to 128 4Gb Fibre Channel/FICON ports or up to 64 IBM ESCON® ports. All of these performance enhancements are designed to deliver tangible results: DS8000 series systems are as much as seven times faster than a base ESS Model 800 storage unit—all in a smaller package. And the DS8000 Turbo models utilize POWER5+ processors to enable even greater performance with up to 15% improvement in I/O operations per second for transaction processing workloads.

The DS8000 series is well prepared to address the exponential growth of data within an enterprise. The physical storage capacity of DS8000 series storage systems can range from 1.1TB to 320TB. It is designed to allow internal disk capacity to be increased without system disruption by adding integrated HDD packages. Additionally, by supporting both Fibre Channel drives as well as cost-effective near-line Fiber Channel ATA (FATA) disk drives, a single DS8000 system can satisfy both first- and second-tier storage requirements. The DS8000 series also provides options for upgrades, including model-to-model upgradeability, to help adapt to changing business requirements.



The DS8000 series offers powerful FlashCopy and Global and Metro mirroring capabilities as well as three-site Metro/Global Mirror functionality. These offerings are designed to support high system availability and data resiliency and can enable robust disaster recovery solutions.

This series includes a range of features that demonstrate the strong IBM focus on investment protection. Storage system LPAR capabilities on select DS8300 systems provide the flexibility to scale your system as your needs change. The DS8000 series also offers an Enterprise Choice 1-year, 2-year, 3-year or 4-year warranty on hardware and Advanced Functions.

The DS8000 series is designed to deliver outstanding performance along with exceptional long-term value. The flexibility of DS8000 storage systems can help you integrate these systems with a wide range of IBM or non-IBM servers. Easy scalability will help these systems grow with your needs. At the same time, virtualization

capabilities can help you improve utilization of your storage assets, simplify your infrastructure and reduce data-center real estate costs by allowing you to use fewer storage systems. The power and value of the DS8000 series can help you honor service level agreements and achieve greater storage management productivity.

IBM System Storage DS6000 series: Enterprise-class storage in a small, space-efficient, modular package—all at an attractive price

The DS6000 series offers attractive functionality in an amazingly small size and with a revolutionary price. Intended for medium and large businesses, the DS6000 series is designed to simplify data management, provide broad data protection and recovery capabilities and enable easy scalability. Sharing many of the functional capabilities of the DS8000 series, the DS6000 series is a fraction of the size of many competitive systems, yet it can deliver greater scalability and excellent performance.

The DS6000 series is one of the first storage systems in its class that can help businesses simplify their IT infrastructures by supporting a wide range of servers, including both mainframe and open systems, at a variety of price/performance levels. The series also supports environments based on a wide array of operating systems, including IBM z/OS, OS/400, i5/OS and AIX systems, as well as Linux, Microsoft Windows, HP-UX and Sun SOLARIS.

The DS600 series systems are unmatched in the industry today. Through IBM innovation, the DS6800 measures in at 5.25" high and 19" wide, weighs in at about 135 lbs. with 8TB of storage and has the performance and resiliency previously only found in monolithic storage systems weighing over 2000 lbs. and the size of a double-wide refrigerator.

The DS6800 systems offers impressive performance with over 1600 MB/sec throughput and over 330,000 I/O per second in an extremely space efficient design. Excelling in throughput and I/O processing, the DS6800 is a great fit for both transaction-oriented and bandwidth-intensive applications and can easily satisfy the needs of performance hungry workloads.

The DS6800 supports up to 128 disk drives with the attachment of seven DS6000 disk expansion units, making it an ideal choice for heterogeneous server environments with performance-oriented or capacity-oriented storage needs. With its modular design, the DS6800 system can scale from 292GB to 64TB of physical storage capacity by adding storage expansion enclosures, each of which can contain up to 16 hard disk drives (HDD). Non-disruptive storage capacity expansion enables businesses to maintain high data availability while accommodating rapid data growth. By supporting both Fibre Channel and near-line Fibre Channel disk drives, a single DS6800 system can satisfy both primary and secondary storage requirements.



The IBM System Storage DS6000 series offers the latest innovations from IBM in storage infrastructure, performance and management, helping to deliver exceptional data availability. High availability and reliability with a choice of RAID levels, redundant, hot-swappable components, and resiliency features of the DS6800 helps to maintain data

availability at enterprise-class levels. The DS6800 is designed to deliver powerful, dynamic capabilities to help protect data and prevent failure, not just respond and recover.

The DS6800 features many of the same enterprise-class data backup and disaster recovery capabilities found in the DS8000. IBM FlashCopy point-in-time copy functions backup data in the background while allowing users nearly instant access to information on both the source and target volumes. Metro and Global Mirror services can generate and maintain data consistent duplicate copies of data on separate storage systems located either locally or to a geographic dispersed location to protect data and to provide failover and failback capabilities to support business continuance strategies and operations, even in the event of power outages or other disasters.

A company can leverage the interoperability of the DS6000 series copy services with existing DS8000 and/or ESS installations. Because the DS6800 can be the source or target storage system of a DS8000 series or ESS system, it enables organizations the capability of implementing a multi-tiered approach for mirroring and backup functions and/or for a lower-cost secondary site storage system alternative for disaster recovery.

The IBM System Storage DS6000 series is designed to deliver high availability and high performance in a small, modular package. The DS6000 series along with the DS8000 series, delivers an enterprise-class storage continuum of systems with shared replication services and common management interfaces. The very affordable DS6800 provides medium and large business a low-cost enterprise class storage solution to simplify data management, offer comprehensive data protection and recovery capabilities, and enable easy scalability for both mainframe and open system storage needs.

IBM System Storage DS4000 series: Flexible options for easy scalability

The IBM System Storage DS4000 series offers a flexible, high-performance platform that allows businesses to build a storage infrastructure with pay-as-you-grow upgrades. DS4000 series offers models designed to



deliver high-bandwidth performance with a wide variety of Intel® and UNIX operating environments. The DS4800, DS4700 Express and DS4200 Express models are equipped with the new 4 Gbps Fibre Channel interface, the fastest currently available in the industry. With modular designs and models at multiple price points, DS4000 storage systems can be used as storage add-ons or integral components of multi-tiered enterprise infrastructures.

The DS4000 series is tightly integrated into the IBM System Storage DS Family. All DS4000 series storage systems provide common management functionality and common components with the rest of the DS Family to help companies simplify systems management and protect their IT investments. Multiple DS4000 controllers of different types can be managed from the same browser window. DS4000 series models include redundant power and cooling supplies, and they enable businesses to use the same advanced copy and mirroring capabilities that benefit the entire IBM System Storage DS Family, helping to support high availability and resiliency.

DS4000 series storage systems offer either cost-effective Serial ATA (SATA) drives or fast Fibre Channel disk drives, so customers can select the price and performance that best address the needs of their tiered storage environments. Maximum physical storage capacities range from 4.2TB for a single-controller DS4300 to 89.6TB for a dual controller DS4500 or DS4800 system.

With the DS4000 series, scaling physical storage is easy. IT administrators can add internal disk drives or attach DS4000 SATA—or Fibre Channel—Expansion Units, each of which includes 14 or 16 hot-swap Fibre Channel or SATA drives. Using Dynamic Volume Expansion and Dynamic Capacity Addition capabilities, administrators can increase storage by bringing unused storage online while avoiding system disruption.

IBM System Storage DS3000 series: Easy and affordable entry systems to the DS Family

The IBM System Storage DS3000 series offers solutions built on an easy and scalable platform for the small and medium businesses. The DS3000 series is managed by the intuitive and easy-to-use DS3000 Storage Manager. This GUI based storage management application does not require in-depth storage knowledge and is ideal for the first time external storage user.

The DS3000 series is a scalable solution for the growing business. The scalable approach to storage means that even the smallest businesses can afford the low up-front investment by starting with as little as four disks. Then, as the storage needs grow, the DS3000 series can grow up to a total of 14.4TB of capacity by using up to three EXP3000 expansion units. The DS3000 series is compatible with the DS4000 Storage Manager, allowing you to manage both DS3000 and DS4000 series enclosures from the same management application.

The DS3000 series is a solution for IBM System x, BladeCenter®, and select third party servers. This flexible approach to storage means that a heterogeneous server environment can be consolidated up to 14.4TB by a single DS3000 series enclosure.

Working together to provide simplicity, flexibility and optimal data management

How do the IBM System Storage DS Family systems work together? Take the hypothetical case of a large bank that is acquiring more and more customer information, while also storing a wide range of data that it must retain for several years. Unfortunately, the bank has accumulated a broad collection of servers and storage systems for both its back-office and customer-facing functions. Now, as the bank searches for a means to expand its information infrastructure, it is faced with a complex environment that is increasingly costly to maintain.

The bank faces several challenges. First, it needs to provide its employees and its customers with fast access to information, even during peak usage periods. Second, it hopes to reduce the complexity of the infrastructure, but it needs to maintain availability and data resiliency so that it could quickly recover from a disaster. Finally, the bank must keep IT costs under control to remain competitive with other institutions.

The bank invests in an IBM System Storage DS8000 series storage system for the core applications that support its multiple customer-facing touch points from its branches to its online banking Web site. The DS8000 series storage system provides plenty of room for growth as the bank acquires more customers and more customer data. The bank also replaced several of its outdated storage units and greatly simplified its infrastructure with a single system. Meanwhile, the powerful processing power of the DS8000 series helps make information available rapidly for online and offline users.

The bank capitalizes on the Virtualization Engine technology built into the DS8000 series system. Different workloads can now be run in different storage system LPARs, providing the flexibility and resiliency of multiple storage systems.

The bank also has regional data centers that need high-performance storage, but not all of the capabilities of the DS8000. In these locations, the bank installs the DS6000 series, allowing the bank to leverage one set of skills to support both products. The technical staff from the bank's central data center can configure and manage the DS6000 series systems remotely, eliminating the need to have highly trained personnel in those regional data centers.

As part of its business continuity strategy, the bank adds a DS6000 series storage system to work alongside existing IBM ESS 800 and ESS 750 systems at a remote location to mirror essential data from the primary site's DS8000 series system. Because the bank stores data with a range of business values, it also deploys modular DS4000 series storage systems with SATA drives plus WORM tape systems for a lower-cost means of storing and archiving less-frequently accessed data. And finally, for departments that need external storage but cannot afford the storage know-how, the DS3000 series is the easy-to-use solution for even the smallest budgets. The bank now has a flexible, scalable solution that can help to improve data lifecycle management and support business continuity.

Delivering a broad range of disk systems to the small- and medium-sized firms

With the IBM System Storage DS Family, small- to medium-sized businesses now can select the right option for their needs. The IBM System Storage DS family combines the enterprise-class high-performance of the IBM System Storage DS8000 and DS6000 series with the newly enhanced IBM System Storage DS4000 series and the newly announced DS3000 series. Select configurations of the DS Family are part of the IBM Express Portfolio™, which is designed, developed, and priced to meet the specific needs of the small- to mid-sized businesses. The IBM System Storage DS Family can now provide access to much of the same outstanding performance, flexibility and security of enterprise systems at prices that best match the needs of small- to medium-sized businesses.

For a healthcare organization looking for a medical imaging solution, there are several storage requirements such as online and near-line storage, and extremely large and growing reference data such as medical exam results. Using an "aging policy" on medical exams, data migrates to lower cost online and near-line storage as the data gets older. This "aging policy" facilitates the optimal use of tiered storage within medical imaging archives.

IBM System Storage DS Family provides a unique capability of mixing both Fibre Channel technology, Fibre Channel ATA (FATA) or SATA disk drives in a single environment. Exams initially archived will demand fast retrieval and be stored on external Fibre Channel disks behind a controller. After a period of time, the likelihood of an exam being retrieved decreases significantly and the exam is relocated to lower cost storage. By using DS4000 EXP100 or EXP810 expansion drawers containing SATA drives connected to the same DS4000 controller, or by using FATA in a DS6000 or DS8000 series system, these exam results can remain on very fast, spinning storage for longer periods of time at reasonable cost with minimal impact to data retrieval performance.

For a clothing retailer with a small chain of stores and a rapidly growing online business, easy expansion is essential, but so are low costs. Imagine that from the day it opened its doors until now, the retailer has added applications, operating systems and hardware components to meet its momentary needs with little thought about the future. Now the company is looking for a unified solution that can respond quickly to changes in usage, while supporting business continuity and helping

to turn its growing pool of data into a valuable asset. The company must also work with a somewhat limited IT budget, a small IT department and limited real estate in its data center.

To store its fast-growing reservoir of information, the retailer selects a DS6000 series storage system for enterprise-level performance. The company uses the DS6000 series system to store data from its mission-critical applications, including its inventory system that is integrated with its Web site and accessed by dealers and sales personnel, as well as its e-mail system. Built on open standards, the DS6000 series is an excellent match for the company, which will continue to run its wide range of servers and operating environments.

Despite the lower costs, the DS6000 series delivers powerful enterprise-level performance and functionality. With intuitive configuration and management software, setting up and running the DS6000 series is very straightforward. The design of the DS6000 series also allows for easy system maintenance, repair and upgrade. Intuitive software management tools help to reduce the IT burden on an ongoing basis, and advanced FlashCopy capabilities help provide data resiliency.

The modular design of the DS6000 series allows the retailer to scale storage capacity rapidly as its business grows. But adding storage capacity will not increase real estate costs. The DS6000 series enclosure is a mere 3U in size, providing the retailer an enterprise-class storage system in a small, cost-effective package.

Conclusion

The IBM System Storage DS Family offers businesses the freedom to choose from a full range of storage systems to address the rapidly changing requirements of an on demand world. Whether your company intends to ramp up storage capacity to address the exponential rise in business data or construct a multi-tiered storage environment to optimize the management of information over its lifespan, the IBM System Storage DS Family has a solution to address your needs. Designed to deliver powerful performance and easy scalability while helping protect your investment and lower your cost, the IBM System Storage DS Family provides a breakthrough in storage system solutions for all sizes and types of business.

With support for a host of virtualization and automated management tools, the IBM System Storage DS Family helps you simplify and consolidate your infrastructure. At the same time, the inclusion of redundant components and advanced copying and mirroring capabilities can help support business continuity and data resiliency in the event of outages. And with a variety of storage options, at a range of highly competitive price levels, you can construct a fully compatible multi-tiered infrastructure that optimizes the use of information while keeping costs under control.

For more information

Contact your IBM representative or an IBM Business Partner, or visit

ibm.com/storage/disk

To view a complete list of pre-qualified System Storage solutions, please visit

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IBM Systems and Technology Group
3039 Cornwallis Road
Research Triangle Park, NC 27709-2195

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*To provide a complete view of IBM's storage offerings, some products that are not strictly members of the IBM TotalStorage DS Family are described in this brochure.

