

IBM System Storage: The future of your business is already here

Save. Grow. Innovate. With IBM System Storage



Infrastructure Simplification

Business Continuity

Information Lifecycle Management (ILM)

The future of your business is already here. And there is no time like now to capitalise on the proven innovation and storage leadership of IBM to drive better value to your bottom line. Let us inspire you to go the distance in transforming your business with simple, scalable, smart storage from IBM.

IBM System Storage solutions were built with the success of your business in mind. End-to-end storage ingenuity and IBM's unmatched expertise help you reduce costs, risks and complexity while improving efficiencies and the responsiveness of your infrastructure and people. Save. Grow. Innovate. With IBM System Storage.

Go green for the planet – and your bottom line

The day-to-day challenges of running a business are closely chased by the need to maximise the return on IT investments – and saving energy means saving money. System Storage solutions help you stay focused on what's important by providing energy-efficient tools and technology to tread lightly on the environment while streamlining your data centre and improving IT cost structures.

Power up your savings by powering down storage inefficiencies. Pre-packaged storage kits and advanced systems virtualization from IBM facilitate easier ways for

you to reduce costs, lower energy consumption and dramatically improve storage utilisation – without affecting performance. Automated tiered storage management and exceptional data mobility let you better match applications and investments to the value of stored data – saving both time and money.

Get a green 'thumbs up' when you implement IBM System Storage solutions to drive down runaway costs in power, cooling and space. Regardless of the size of your business, IBM offers energy-efficient strategies and savings for a sustainable enterprise.

Easy come, easy grow with a nimble, responsive IT infrastructure

Being responsive to changing business needs is often easier said than done. IBM System Storage helps you unlock business resiliency and stay ahead of the everyday challenges of running your organisation, with easy-to-use, affordable storage offerings that flexibly manage growth, complexity and risk.

Get rid of storage growing pains. IBM System Storage allows you to dynamically and reliably scale storage with pervasive infrastructure flexibility, keeping you in control of data growth and eliminating costly ad hoc storage purchases.

the distance

Simplify storage administration and save time doing it. With graphical interfaces and integrated systems, IBM storage platforms enable you to unify and manage both physical and virtual resources across a heterogeneous environment.

Protecting data is vital to operating efficiently under normal business conditions – and rapidly recovering during emergencies or disruptive events. System Storage helps you reduce risk with rock-solid data protection tools and high availability, especially when you need it most.

Effectively manage your business data with the strength and simplicity of IBM System Storage.

Broaden your business horizons with innovation that matters

Imagine breakthrough innovations that allow you to run your organisation not only faster, but better, helping to attract new customers and gain competitive advantages. Now imagine proven reliability, leading-edge services and an entire portfolio of technology know-how to keep you ahead in the race against business demands. Picture putting all of this in place while lowering your total cost of ownership (TCO) and protecting existing storage investments. IBM already has.

Advancing your business means more than focusing on good ideas – you want a better return on investment (ROI). System Storage helps you transform your business through innovation that matters. Delineated with a clear technical roadmap to ensure smooth upgrades and transitions, IBM System Storage platforms are designed to meet even the most stringent data storage requirements, regardless of changes in future

technology. Long-term binary compatibility fosters longevity of the equipment, applications and skills that support your organisation, even as new systems are introduced.

Timing is everything. System Storage solutions help you stay consistently out front so that you can make strategic decisions on how to use advancements in technology to broaden your business and imagine the possibilities.

We're with you every leap of the way

At IBM, we know that innovation won't move mountains – but it can simplify how to scale them. And we understand that trust is earned not once, but over and over again. Our worldwide team of local technical experts and extensive network of IBM Business Partners believe that collaboration means rolling up sleeves and rolling out value.

With the resources, experience and expertise to help you solve real industry challenges, IBM is committed to going the distance for your business in the foot race toward simple, scalable, smart storage.

Save. Grow. Innovate. With IBM System Storage.



the right

Becoming an on demand business is about finding new ways to grow, adapt and respond in a dynamic business environment while managing costs. Because data is a critical component of businesses today, efficiently handling the growing amounts of information is one of the keys to success. The storage environment is an important part of the IT infrastructure to help achieve the goal of operating as an on demand business.

IBM storage and products and solutions

- IBM System Storage virtualization products
- IBM Storage management software
- IBM System Storage disk systems
- IBM System Storage tape systems
- IBM System Storage Storage Area Network (SAN) switches
- IBM System Storage N series.

IBM System Storage virtualization products

Virtualization is designed to take the complexity out of your storage infrastructure by insulating the application environment from the physical storage infrastructure. This can help significantly improve your ability to manage a heterogeneous storage environment, which can lead to greater freedom to choose the best products for your needs without increasing support costs. Virtualization can also help facilitate changes to the storage environment with minimal or no disruption to applications, which can help you better respond to unanticipated business needs. In financial terms, simplified administration can help lead to lower operating costs and increased storage utilisation can help lower capital costs.

IBM Virtualization Engine TS7000 series

combines hardware and software into an integrated solution designed to provide tape virtualization for servers connecting over Fibre Channel (FC) physical connections. The TS7000 series combines IBM server technology, disk technology and tape technology and is designed to virtualize, or emulate, tape libraries, tape drives and tape media. Real tape resources can then be attached to the TS7000 to help address information lifecycle management (ILM) and business continuance. The TS7700 Virtualization Engine supports attachment to System z servers. The TS7500 Virtualization Engine supports open systems attachment

IBM System Storage SAN Volume Controller (SVC)

is designed to help reduce the complexity and costs of managing multiple disk storage systems in a SAN environment. It is designed to combine the capacity from multiple disk storage systems into a single storage resource that can be managed from a single point. This helps clients use their resources more efficiently, improves the availability of their applications and helps make their people more productive

solution

IBM TotalStorage Productivity Centre (TPC)

IBM TPC is an open storage infrastructure management solution designed to help reduce the effort of managing complex storage infrastructures, to help improve storage capacity utilisation and to help improve administrative efficiency.

IBM TPC Centre for Data

is designed to automate the capacity management of file and database resources in a storage infrastructure. It also offers capabilities for analysing how effectively these resources are being used

IBM TPC for Fabric

is designed to automate management of a broad range of devices in a storage network. It offers resource discovery, event monitoring and altering, zone control and SAN error-prediction capabilities

IBM TPC for Disk

is designed to help administrators manage a heterogeneous SAN environment from a single point. It is designed to operate with a number of SMI-S enabled storage, such as the IBM TotalStorage Enterprise Storage Server (ESS) and the IBM System Storage DS4000, DS6000 and DS8000 series, as well as storage that is virtualized using the IBM System Storage SVC

IBM TPC for Replication

is designed to simplify and automate the configuration of your replication environment, helping to allow for more effective Metro Mirror, Global Mirror and Metro/Global Mirror and IBM FlashCopy management. It is also designed to monitor copy operations across devices to help support a replication environment

IBM Tivoli Storage Manager (TSM) Family

IBM TSM is the base product in the TSM family of solutions, providing data protection from failures and other errors by storing backup, archive, space management and bare-metal restore data, as well as compliance and disaster-recovery data, in a hierarchy of offline storage. Using centralised, automated policy-based management, IBM TSM and IBM TSM Extended Edition protect your around-the-clock applications and key data in the event of hardware, software or network failures. The TSM family includes a wide range of optional modules – which can be ordered separately – for mail, databases, copy services, SANs, system backup and recovery, space management Microsoft SharePoint and enterprise resource planning (ERP) for complete storage management.

TSM

is designed to provide enterprise availability of key data and applications in the event of hardware, software or network failures. It offers move-and-store techniques and policy-based automation, which work together to help increase data and application protection, decrease disaster recovery time and lower storage administration costs. It also is designed to manage inactive data and match the value of the data to the effective storage management practices

virtualize

IBM System Storage DS Family of disk storage systems

High-performance IBM System Storage disk systems are among the most reliable, scalable and interoperable in the industry. High-availability, multiplatform support and support for several operating systems (OS) can help you implement the IBM strategy of an On Demand Business.

IBM System Storage continuum of enterprise disk storage

IBM System Storage has a continuum of enterprise disk storage. The IBM System Storage DS6000 series, along with the IBM System Storage DS8000 series, and the Refurbished IBM TotalStorage ESS Model 800 deliver a continuum of enterprise class storage systems in a range of price performance options for mainframe and open system servers and offer shared replication services and common management interfaces. These enterprise-class products push the enterprise-class spectrum down into what had been strictly midrange space before and way up to cover the higher range of performance and scalability needs.

IBM System Storage DS8000 Turbo series

sets a new standard of highly scalable, cost-effective data storage for high-performance, mission-critical workloads. The DS8000 supports a very large, efficient cache and up to 512 TeraByte (TB) of physical disk capacity with up to seven times the throughput of the ESS Model 800. The DS8000 delivers top of the line high-performance, scalability and long-term cost-effectiveness. DS8300 is also designed to deliver the cost advantages of running the equivalent of two, independent storage arrays, in storage system logical partitions (LPARs), all within a single physical DS8300.

The DS8000 also offers business continuity solutions featuring IBM System Storage FlashCopy, IBM FlashCopy SE, Metro Mirror, Global Mirror and Metro/Global Mirror. The DS8000 is a great system for storage consolidation with support for FC/IBM Fibre Connection (FICON) and IBM Enterprise Systems Connection (ESCON) attachment to a wide range of servers, including IBM System z, System i, System p, System x and other platforms running UNIX®, Linux®, Windows® and more

IBM System Storage DS6000 series

is designed to provide high availability and high performance in an affordable small, modular package. This series, along with the DS8000 series, offers an enterprise-class continuum of storage systems with shared replication services and common management interfaces. The DS6800 offers impressive performance in a space-efficient design. Excelling in throughput and input/output (I/O) processing, the DS6800 is a good fit for high rate transaction-oriented and bandwidth-intensive applications and can satisfy the needs of performance hungry workloads. The DS6800 can help you simplify your IT infrastructure by supporting a wide range of servers, both mainframe and open systems, including IBM System z, System i, System p, System x and non-IBM platforms running UNIX, Linux and Windows OS

storage

IBM TotalStorage ESS Refurbished with Warranty

is the original foundation of enterprise-class reliability and function. The ESS Refurbished with Warranty Model 800 can provide up to 55.9 TB of physical disk capacity and is designed for balanced performance. It offers very robust business continuity solutions, including FlashCopy, as well as Metro and Global mirroring. The ESS is a great system to provide storage for test or backup systems or for systems requiring ESCON or Small Computer Systems Interconnect (SCSI) attachment. It offers FC/FICON, ESCON and SCSI attachments for a wide range of servers, including both mainframe and open systems, supporting many new and legacy versions of popular OS

IBM System Storage DS3000 series

is designed to provide the flexibility of the Serial Attached SCSI (SAS) technology. The DS3400 provides the performance of FC speeds of 4 Gigabits per second (Gbps) in a direct-attach or SAN solution. The DS3300 provides 1 Gbps Internet Protocol over SCSI (iSCSI) connection for IP SAN's while the DS3200 provides the 3 Gbps point-to-point topology in a direct-attach solution. The DS3000 series supports the EXP3000, a Serial Attached SCSI (SAS) based expansion enclosure that can increase capacity up to 48 disks without the need for additional investment in controllers

IBM System Storage DS4000 series

can help handle the growing high-performance or high-capacity storage requirements of today's on demand era. The IBM System Storage DS4000 series uses common storage management software and high-performance hardware design, helping to provide customers with enterprise-like capabilities at a low cost. High-availability, multi-platform support, a broad range of open OS support and comprehensive management tools all help you adjust to changing storage requirements and challenges



disk

IBM TotalStorage Expandable Storage Plus 320 (2104)

is well-suited for small- and medium-scale IBM AIX environments requiring the latest SCSI Ultra 320 technology. It is designed to handle either dual-host attachment with a single SCSI bus for non-concurrent, high-availability configurations with IBM High Availability Cluster Multi-processing (HACMP) failover software, or dual-host attachment with two SCSI buses. The Expandable Plus 320 is well-suited for multi-host attachments to IBM System p

IBM System Storage archiving and retention

IBM System Storage DR550 and DR550 Express

are designed as preconfigured, integrated offerings to help store, retrieve, manage, share and secure regulated and non-regulated data. The DR550 is designed to support both high performance via single or dual processor IBM POWER5+ servers for data access and also very high storage capacity (scaling from 1.1 TB to 112 TB of online storage and up to PetaBytes (PB) of tiered storage with attached optical or tape libraries), in addition to providing lower TCO than disk-only archive offerings. The DR550 also supports data encryption, designed to prevent unauthorised access to records and to help protect privacy, and the enterprise version DR550 offers either synchronous or asynchronous replication options for disaster recovery. The policy-based, archiving data-retention capabilities of the DR550 are designed to support non-erasable, non-rewritable data storage. Using an established archive application programming interface (API), interfacing to IBM Content Manager or non-IBM Independent Software Vendor (ISV) content manager or archiving software, DR550 helps address the needs of regulated industries and other businesses with long-term data retention, archiving and protection features



IBM System Storage DR550

storage

IBM System Storage tape storage systems

Tape storage systems play a key role in business continuity and ILM initiatives. Few go to greater lengths to help you store, archive and retrieve your data than IBM with its complete line of tape drives, autoloaders and libraries.

Tape libraries

IBM System Storage TS3500 Tape Library

is an excellent choice for large-capacity open systems and IBM. System. z environments. It can be configured with high-performance, high-capacity IBM. Linear Tape-Open (LTO) Ultrium generations 3 or 4 tape drives to provide an excellent alternative to digital linear tape (DLT). IBM. TS1120 tape drives can be incorporated to provide fast access as well as high performance and high capacity. Both TS1120 and LTO Gen 3 and 4 tape drives support write once read many (WORM) as well as standard data cartridges. The TS3500 also supports TS1120 and LTO Gen 4 tape drive encryption

IBM System Storage TS3400 Tape Library

is designed to offer the high capacity and performance advantage of the IBM System Storage TS1120 Tape Drive in a smaller automation footprint for System i, System p, System x, System z and other open systems environments. The TS3400 tape library is an external 5U standalone or rack-mountable unit supporting up to two TS1120 tape drives. The TS3400 tape library is an excellent tape storage solution for organisations already using TS1120 tape drives in their data centres who want to use the same technology in remote locations. The TS3400 is also designed for organisations that have limited physical space in their IT environments

is designed as a high-performance, reliable, scalable tape subsystem, automating up to 396 tape cartridges (TS3310). The library features the patented IBM Multi-Path architecture, designed to allow you to define multiple logical libraries within a single physical library and allowing heterogeneous applications to simultaneously share a single physical library. Control and data path failover adds additional autonomic capability. The TS3310 is available with up to 18 Gen 3 and/or Gen 4 LTO drives. WORM data cartridges are also supported (with LTO Gen 3 and 4 drives). The TS3310 also supports LTO Gen 4 tape drive encryption



tape

IBM System Storage TS3200 Tape Library

is extremely compact with its 4U height, yet holds up to 48 LTO cartridges and one or two LTO Gen 3 and/or Gen 4 tape drives and features removable cartridge magazines for ease of bulk loading and unloading. This library supports up to two heterogeneous servers sharing it simultaneously without any additional hardware or software. A bar code reader is standard, as is a three cartridge I/O slot. An optional Web interface allows users to monitor the library status with a Web browser. The TS3200 is superb for addressing the growing storage requirements of small- to medium-sized businesses (SMBs). The LTO Gen 3 tape drive also provides for WORM function for the TS3200 Tape Library and the LTO Gen 4 tape drive supports data encryption

IBM System Storage TS3100 Tape Library

is an external stand-alone or rack-mounted, 24 cartridge, 2U high autoloader using a single IBM LTO Gen 3 or Gen 4 tape drive featuring two removable cartridge magazines. It is a good choice for customers who use tape and require a large-capacity or high-performance tape backup – with or without random access. Bar code reader and remote management capability are standard, as is a single cartridge I/O slot. The TS3100 is designed to provide automated storage management software the ability to select the required cartridge. WORM function capability is also available with the LTO Ultrium 3 tape drive and the LTO Gen 4 tape drive supports data encryption



IBM System Storage LTO Family of storage products

storage

Tape drives

IBM System Storage TS1120 Tape Drive

is designed to provide fast performance and high capacity to help reduce customer resource requirements in heterogeneous server environments. The TS1120 is designed to provide both fast access to data and the high capacity necessary to back up large databases, thus allowing the adoption of a single tape technology. This can help reduce costs and allow data to be consolidated onto fewer footprints, which, in turn, can help reduce the complexity of the storage environment and management overhead. The TS1120 offers WORM functionality that is designed to help support data-retention needs and applications requiring an audit trail. Additionally, the TS1120 offers encryption and key management capabilities that make it an ideal data protection solution

IBM System Storage TS2340 Tape Drive

is the answer to growing storage requirements and shrinking backup windows. Incorporating the latest generation of advanced LTO technology, the TS2340 Tape Drive is suited for handling the backup, save and restore and archival data storage needs of a wide range of small systems. In addition, the TS2340 provides added security features by supporting encryption of data with 3 Gbps SAS connectivity

IBM TotalStorage 3580 Tape Drive

provides convenience for existing LTO tape cartridge users or users who typically store less than 400GB of data on a single tape cartridge. This self-contained single generation 3 LTO drive can be rack-mounted or can simply sit on the desktop and is an excellent alternative to SDLT, DLT, 1/4 in., 4 mm or 8 mm tapes drives. The LTO Ultrium 3 tape drive also provides for WORM function



IBM 3580 Tape Drive

Complementary tape storage product

offerings include the 7206 (4 mm and VXA-2 format), 7207 (SLR formats) and 7212 (multi-tape technology format), designed to help you protect, access and manage mission-critical data – regardless of the size of your organisation

networking

IBM System Storage SAN switches

While hidden from most users, the IBM SAN infrastructure components are designed to facilitate connectivity to scalable, reliable storage for businesses of all types and sizes. The IBM storage network plays a key role in helping to simplify your infrastructure by pooling storage resources to help improve utilisation of storage assets and sharing and access to information.

SAN

solutions can provide the infrastructure to help you keep your enterprise nimble and agile enough to address the constant flux, high pressure and rapidly changing scenarios of an On Demand Business. IBM offers a wide variety of SAN infrastructure products from our SAN switch vendors – Brocade and Cisco. These products provide the connection of servers and storage devices into high-availability storage networks, supporting scalability to help address the demands of rapid and unpredictable growth

IBM System Storage SAN enterprise directors

are designed to provide ultra high availability, performance and scalability FC and FICON connectivity for global enterprise disk, tape, virtualization and software solutions

- IBM TotalStorage SAN256B director
- IBM TotalStorage SAN140M director
- IBM TotalStorage SAN256M director
- Cisco MDS 9506 for IBM System Storage director
- Cisco MDS 9509 for IBM System Storage director
- Cisco MDS 9513 for IBM System Storage director

are designed to provide flexible, high performance and secure FC and FICON SAN extension over metro and global networks for SMB and enterprise disk, tape, virtualization and software solutions

- IBM System Storage SAN18B-R router switch
- Cisco MDS 9222i for IBM System Storage router switch

IBM System Storage SAN entry switches

are designed to provide affordable, simple-to-use, high performance connectivity for SMB disk, tape, virtualization and software solutions

- IBM TotalStorage SAN16B-2 Express Model fabric switch
- Cisco MDS 9124 Express for IBM System Storage fabric switch

IBM System Storage SAN mid-range switches

are designed to provide affordable, flexible, high performance FC and FICON connectivity for SMB and enterprise disk, N series, tape, virtualization and software solutions

- IBM System Storage SAN32B-3 fabric switch
- IBM System Storage SAN64B-2 fabric switch
- Cisco MDS 9134 for IBM System Storage fabric switch

storage

Unified Storage – NAS, IP SAN and FC SAN

IBM System Storage N series (N3700, N3300, N3600, N5200, N5300, N5500, N5600, N7600, N7800)

deliver a unified storage architecture with versatility to simultaneously meet diverse needs – SAN and Network Attached Storage (NAS), primary and secondary storage – while providing high levels of availability. IBM N series systems handle complex requirements in a way that actually simplifies the storage infrastructure and improves productivity



IBM System Storage N3600 and N3300

Unified Storage – NAS, IP SAN and FC SAN

- Every product within the N series portfolio utilises a single OS across the entire platform and offers a combination of multiple advanced function software features that provide one of the industries most multifaceted storage platforms providing comprehensive system management, storage management, onboard and outboard copy services, virtualization technologies and disaster recovery and backup solutions.
- All N series products provide the exact same wide-range of network attachment capabilities to a broad range of host and client systems using multiple network access protocols including file system NAS protocols (Common Internet File System (CIFS), Network File System (NFS)) and block I/O protocols including iSCSI and Fibre Channel Protocol (FCP), all from a single hardware platform.
- All N series products provide a tremendous amount of flexibility by allowing these products to be populated with both FC disk drives and Serial Advanced Technology Attachment (SATA) disk drives scaling up to 504 TB.
- In addition, optional compliance and data retention software provides data security in regulatory environments where data must be stored in non-erasable and non-rewritable formats to meet the industry's newest and strict regulatory requirements for retaining company data assets

The IBM System Storage N series portfolio simply provides one of the most versatile storage platforms in the industry today

tap power

	Storage management software	System management software	Virtualization on offerings	Disk storage/ N series	Tape storage	SAN	Business Partner solution centres
IBM	●	●	●	●	●	●	●
HP ⁶	●	●	●	●	●	●	●
EMC ⁷	●	●	●	●		●	●
Dell ⁸		●		●	●	●	●
Hitachi ⁹	●		●	●		●	●

IBM storage offerings compared with other vendors' offerings

Putting all the pieces together

IBM System Storage Proven demonstrates the compatibility and interoperability of IBM servers and storage with other vendors' hardware and software products. The IBM System Storage Proven program identifies storage solutions and configurations for clients that have been pre-qualified for interoperability with IBM products.

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

ibm.com/storage/proven

IBM System x and BladeCenter Storage Servers

The new IBM System x Storage Server products offer a broad range of affordable Windows-based network-attached file server solutions. They combine the IBM proven System x and BladeCenter server technology with Microsoft® Windows Storage Server 2003 OS to provide a superior NAS solution for companies ranging from large enterprises to small businesses. Each of the server's hardware has been preconfigured and the Windows Storage Server 2003 OS is preinstalled enabling rapid deployment and ease-of-use.



IBM x346 NAS Storage Server

Tap into the power

A worldwide network of top-notch sales and technical support services backs every IBM storage product. IBM offers local, focused support capabilities to help expedite system development at all stages, from conception to warranty repair. In addition to customer support, qualification and integration assistance, IBM offers a wide range of financing options and education and consulting services designed to provide complete data storage solutions.

IBM works with IBM Business Partners and other leading technology companies to deliver the right storage solutions to help your business succeed in today's dynamic marketplace. You also can visit an IBM Business Partner Innovation Centres for a hands-on test drive of IBM storage solutions. With IBM as your technology provider, you can take full advantage of the new and emerging technologies that can be critical to business success.

Start today

It's an easy decision. Why keep searching for multiple vendors to duplicate what a single, global, end-to-end storage solution provider can do for your organisation? Insist on exceptional storage solutions, products and services from an industry leader.

innovate

	Database software	Hosting	Consulting and implementation service	Financing	Microsoft Windows servers	UNIX Server	Traditional mainframe	Application server
IBM	●	●	●	●	●	●	●	●
HP ⁵			●	●	●	●		
EMC ⁷		●	●	●				
Dell ⁸		●	●	●	●			●
Hitachi ⁹			●	●				

Rely on IBM for the help you need

IBM offers:

- A full menu of customisable, open IT storage solutions to meet your specific business needs and budgets
- A broad portfolio of modular hardware and software offerings
- Outstanding warranty support
- International service and support
- Flexible financing options
- All of the above for SMBs.

Choose IBM for the storage you need

These comprehensive IBM storage offerings can help IT organisations break through traditional paradigms of data management, protection and use – enabling the freedom and power of *information on demand*. The convergence of server and storage technology can provide a powerful new basis for infrastructure simplification, flexible growth and lower TCO.

IBM is one of the industry leaders in its ability to address simplification issues from this broad perspective.

IBM looks at the entire environment – servers, networks and storage. Doing so gives you the ability to create a much more cost-effective, flexible and resilient environment in which resources and information flow freely and capacity and configurations can be changed quickly to meet business needs.

What's the IBM advantage? Of course, IBM offers an impressive product portfolio that includes servers, network components, management software and storage products. But IBM also can provide services to help support the success of your infrastructure simplification, business continuity and information management initiatives.

IBM Global Services and IBM Business Partners can bring the entire spectrum of skills, from consulting through implementation and operations, to help you develop a solution tailored to your unique needs and budget. These services can help simplify your IT operation – helping to lower costs, improve resiliency and add the flexibility to support on demand information.



For more information

IBM and IBM Business Partners can offer clear guidance and a broad portfolio of skills and products to help you build an open, On Demand Business today. Visit:

ibm.com/storage

To view a complete list of pre-qualified IBM System Storage Proven solutions, please visit: ibm.com/storage/proven

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IBM hardware products are manufactured from new parts, or new and used parts. In some cases, the hardware product may not be new and may have been previously installed. Regardless, IBM warranty terms apply.

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⁶ According to HP, March 2004 and found at www.hp.com/

⁷ According to EMC, March 2004 and found at www.emc.com

⁸ According to Dell, March 2004 and found at www.dell.com/us/en/gen/default.htm

⁹ According to Hitachi, March 2004 and found at www.hitachi.com/

¹⁰ IBM System Storage products includes IBM TotalStorage products