IBM

Storage Systems News
FACT SHEET
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IBM Smarter Storage for Smarter Computing

We live on a Smarter Planet where systems are increasingly instrumented, interconnected and intelligent. Data is coming from places it never did before in volumes greater than before, and at a rate beyond anything we've seen before. For companies worldwide, the business opportunity is tremendous. As organizations realize the enormous potential big data can provide, they grapple with the challenge of making sense of the "data deluge" and turning it into better business decisions.

In the data center, inflexible storage infrastructures and increasing complexity combine to create an unsustainable situation. Something has to change. To help companies meet the ongoing demands of a Smarter Planet, IBM Smarter Storage offers a new approach to the design and deployment of storage systems. IBM Smarter Storage enables companies to take control of their storage, focus on gaining more valuable insights for their business, and become more efficient than ever before.

UPDATED PRODUCTS & SERVICES

IBM Storwize V7000 (enhancements apply only to block systems, not unified systems)
- New integrated IBM Real-time Compression increases system capacity up to 5x. Statement of direction for support of compression in unified systems.
- IBM Real-time Compression compresses production, or "active" data (unlike EMC and NetApp, whose compression technology only supports "low activity" data).
- Support for Fibre Channel over Ethernet (FCoE) protocol allows use of converged data center infrastructures that are simpler and easier to manage.
- 4-way clustering support that doubles maximum system physical capacity to 960 drives or 1.4 PB
- *For unified systems,* new VMware vCenter plug-in simplifies operations by providing integrated management of file and block storage within VMware from a single interface

IBM System Storage SAN Volume Controller
- New integrated IBM Real-time Compression boosts capacity of virtualized storage up to 5x.
- IBM Real-time Compression compresses production, or "active" data (unlike EMC and NetApp, whose compression technology only supports "low activity" data).
- Support for the Fibre Channel over Ethernet (FCoE) protocol allows use of converged data center infrastructures that are simpler and easier to manage.
- Practically eliminates storage-related downtime and so is ideal choice for clouds and other virtualized environments
- The updated SVC can be operated using existing SAN infrastructure and supports a variety of servers and storage systems.

IBM Tivoli Storage Productivity Center (TPC) v5.1
- A new integrated web-based graphical user interface improves the customer experience and ease of use.
- Support for cloud storage management
- Cognos-based reporting and analytical capabilities.
- The advanced technology offers improved management support for virtual storage environments while enhancing file system support for SONAS and storage tiering optimization.

IBM System Storage DS3500 Express and DCS3700
- Enhanced FlashCopy, Dynamic Disk Pooling, Thin Provisioning, and VMware VAAI support.
- Enhanced FlashCopy minimizes backup time with high-speed backups that include 50% more snapshots.
- Dynamic Disk Pooling reduces recovery time.
- Thin Provisioning reduces storage expenses by saving capacity and increasing storage utilization.
- VAAI support to enhance storage management efficiency for VMware environments.

IBM SONAS Re1. 1.3.2
- IBM SONAS is the only Scale-Out NAS system that offers a distributed, global namespace that provides a single aggregated view of all files residing in multiple, physically distributed systems and multiple users viewing the same files regardless of where the files are located, including disk and tape.
- Now, SONAS offers both XIV and Storwize V7000 clients the ability to leverage SONAS (as a gateway) rapidly growing file data.
- TPC (R5.1) to manage SONAS, providing discovery and visualization, health status monitoring and capacity usage reporting.

IBM System Storage TS76xx ProtecTIER® V3.2 (includes 7620, 7650 & 7650G)
- ProtecTIER provides an innovative technology that now includes FSI support for the Common Internet File System (CIFS) protocol for Windows based NAS backup environments.
- The client is able to improve scalability and performance that until now were only available with VTL (SAN environments) and Symantec OST.
- Increased ProtecTIER Gateway performance up to 25%:
  - High speed backups: up to 2500 MB/sec or more sustained inline deduplication backup performance.
  - Even faster at restoring: up to 3200 MB/sec for more sustained recover performance.
- Introducing TS7620 SM2 Appliance: double the capacity and substantially improved performance (compared with SM1) for small and mid-market clients.

IBM Real-time Compression Appliances™ STN6500 and STN6800 V3.9
- The updated IBM Real-time Compression Appliances STN6500 and STN6800 will include a Capacity Planner feature on the Capacity Advisor
- Support for IPV6
- Enhanced interoperability broadens support to additional platforms

IBM Linear Tape File System Storage Manager

- Offers data life cycle management software for multimedia assets (video and workflow files), using IBM's LTO-5 tape libraries and IBM's Linear Tape File System Library Edition.
- Adds storage management life cycle control to LTFS with enterprise-wide management of tape cartridge-based project files and archives.
- Helps reduce video archive software licensing costs and slashes video tape cartridge costs up to 98%.
- Increases functionality of LTFS Library Edition (LE) and Single Drive Edition (SDE) so users can create, manage, and optimize video archives using IBM LTO-5 tape storage.

IBM Tape System Library Manager Software (TSLM), V1R1

- TSLM expands and simplifies the use of IBM TS3500 tape libraries by providing consolidation and storing up to 2.7 Exabytes and reducing tape pathing maintenance by up to 50%.
- Clients can consolidate multiple TS3500 tape libraries in Tivoli TSM environments into a single system with the shuttle connector hardware.
- Simplifies Tivoli TSM tape drive connection definitions, saving operational resources.
- Seismic clients are no longer limited to IBM 3494 libraries and can migrate to TS3500.

IBM System Storage DS8000

- Now, DS8000 offers 33% larger, 400GB SSD option that provides price, performance, and capacity flexibility to help address business requirements.
- New self-encrypting drive options for SSD and nearline drive families provide the ultimate protection against data-at-rest security breaches for tiered storage environments.
- Unlike EMC, HDS, and HP high-end systems, creating, expanding, and managing capacity with the DS8000 is extremely simple and efficient.

IBM XIV Gen3 Services

- IBM now offers technical services for XIV Gen 3 that improve performance for the most demanding workloads, such as virtualization, analytics, and cloud computing.
- IBM offers highly skilled storage specialists who can help facilitate a more reliable, predictable, less risky implementation so that in house staff can remain focused on higher priority business initiatives.
- Broad support has led to proven methodologies and project management skills that minimize downtime for clients.
- Expert IBM skills help provide effective planning which leads to on time implementation within budget, achieving faster return on investment.
- Basic skills instruction provided to in-house staff to increase understanding of implementation and product functionality.

IBM Implementations Services for N3220 & N3240

- IBM Implementation Services for Network Attached Storage systems offer a "one-stop shop" with access to a global pool of highly skilled storage specialists and will now provide support for N3220 and N3240 models.
- Use of proven methodologies and project management skills minimize downtime for the client.
- Expert IBM skills help provide faster and more efficient implementation, with proven tools and expertise, to realize a faster return on investment.